# 2021 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

SCRUBBER SOLIDS POND NO. 3

Sherburne County (Sherco) Generating Plant Becker, Minnesota

Prepared for:

Northern States Power Company, a Minnesota Corporation

*January 31, 2022* 



15650 36<sup>th</sup> Avenue N, Suite 110
Plymouth, MN 55446
Tel 952-346-3900
Fax 952-346-3901
www.carlsonmccain.com
ENVIRONMENTAL \ ENGINEERING \ LAND SURVEYING

# 2021 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Scrubber Solids Pond No. 3 Becker, Minnesota

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Geologist under the laws of the State of Minnesota.

Additionally, I certify that this report has been prepared to meet the requirements of § 257.90(e), Annual groundwater monitoring and corrective action report, as included in 40 CFR Part 257, Subpart D, Disposal of Coal Combustion Residuals from Electric Utilities.

Signature of Preparer:

David Katzner, P.G. #57700 Carlson McCain, Inc.

Date: January 31, 2022



#### **TABLE OF CONTENTS**

| 1.  | EXECU    | JTIVE SUMMARY                                          | 1  |
|-----|----------|--------------------------------------------------------|----|
| 2.  | INTRO    | DDUCTION                                               | 2  |
| 2   | 2.1 An   | nnual Groundwater Monitoring Report Requirements       | 2  |
| 3.  |          | DESCRIPTION                                            |    |
| 3   | 3.1 Site | e Hydrogeology                                         | 5  |
| 4.  |          | TORING RESULTS                                         |    |
| 4   |          | mpliance with §257.90(e)                               |    |
|     | 4.1.1    | Groundwater Monitoring System (§257.90(e)(1))          |    |
|     | 4.1.2    | Well Installation or Decommissioning (§257.90(e)(2))   |    |
|     | 4.1.3    | Summary of Monitoring Data (§257.90(e)(3))             |    |
|     | 4.1.4    | Transition Between Monitoring Programs (§257.90(e)(4)) |    |
|     | 4.1.5    | Other Information (§257.90(e)(5))                      |    |
| 5.  |          | ISSION                                                 |    |
|     |          |                                                        |    |
|     |          | y Actions Completed                                    |    |
| 5   |          | oblems                                                 |    |
|     | 5.2.1    | Problems Encountered                                   | 12 |
|     | 5.2.2    | Resolution of Problems                                 | 12 |
| 5   | 5.3 Ke   | y Activities for 2022                                  | 13 |
| 6.0 | REFE     | ERENCES                                                | 15 |
|     |          | TARIFO                                                 |    |
|     |          | TABLES                                                 |    |
| Tak | ole 1    | CCR Groundwater Monitoring System                      |    |
| Tak | ole 2    | Summary of Data Collected                              |    |
|     | ole 3    | Count of Parameters Analyzed by Well                   |    |
|     | ole 4    | Spring 2021 Groundwater Summary Data                   |    |
| Tak | ole 5    | Fall 2021 Groundwater Summary Data                     |    |
|     |          | FIGURES                                                |    |
| Fig | ure 1    | Site Location Map                                      |    |
| _   | ure 2    | CCR Groundwater Monitoring System                      |    |
| _   | ure 3    | Water Table Elevation Contour Map (05/03/2021)         |    |
| Fig | ure 4    | Water Table Elevation Contour Map (11/01/2021)         |    |

Carlson McCain, Inc.

#### **APPENDICES**

Appendix A – Spring 2021 Assessment Monitoring Event Laboratory Report and Field Datasheets Appendix B – Fall 2021 Assessment Monitoring Event Laboratory Report and Field Datasheets

Carlson McCain, Inc.

#### 1. EXECUTIVE SUMMARY

Scrubbers Solids Pond No. 3 at the Sherburne County Generating Plant is subject to the groundwater monitoring and corrective action requirements under U.S. Code of Federal Regulations, Title 40, Parts §257.90 to §257.98. Scrubber Solids Pond No. 3 operated under the assessment monitoring program in §257.95 throughout the annual reporting period beginning on January 1, 2021 and ending on December 31, 2021. Since Scrubber Solids Pond No. 3 was operated under the assessment monitoring program in §257.95 during all of 2021, statistically significant increases over background were not evaluated or determined for Appendix III to 40 CFR §257 constituents pursuant to §257.94(e) (i.e. detection monitoring). Statistical analysis performed on year 2021 groundwater data indicates no exceedances of groundwater protection standards for any constituents listed in Appendix IV to 40 CFR §257 and, as such, no remedies were selected pursuant to §257.97 and no remedial activities were initiated or are ongoing pursuant to §257.98 during the current annual reporting period.

#### 2. INTRODUCTION

This report presents the documentation of the status of groundwater monitoring and corrective action for the year 2021 (YR2021) for Scrubber Solids Pond No. 3 (Pond 3) at the Sherburne County Generating Plant (Sherco) located in Becker, Minnesota. Pond 3 is owned and operated by Northern States Power Company, a Minnesota Corporation (NSPM).

Pond 3 is an existing coal combustion residuals (CCR) impoundment and is required to comply with provisions of the U.S. Code of Federal Regulations (CFR), Title 40, Parts 257 and 261 relating to disposal of coal combustion residuals from electric utilities. In particular, this report addresses the requirements of 40 CFR Section 257.90(e), annual groundwater monitoring and corrective action for YR2021.

This report has been prepared in general accordance with the reporting procedures outlined in the Sherco Scrubber Solids Pond No. 3 CCR Groundwater Sampling and Analysis Plan (Carlson McCain, 2021b). Any deviations from the requirements of the Groundwater Sampling and Analysis Plan are described in subsequent sections of this report.

#### 2.1 Annual Groundwater Monitoring Report Requirements

According to §257.90(e), CCR units must prepare an annual groundwater monitoring and corrective action report each year that complies with the following:

"For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by § 257.105(h)(1). At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:

- (1) A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;
- (2) Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;
- (3) In addition to all the monitoring data obtained under §§ 257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

- (4) A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels); and
- **(5)** Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.
- (6) A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:
  - (i) At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;
  - (ii) At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;
  - (iii) If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e):
    - (A) Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and
    - (B) Provide the date when the assessment monitoring program was initiated for the CCR unit.
  - (iv) If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to § 257.95(g) include all of the following:
    - (A) Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase;
    - (B) Provide the date when the assessment of corrective measures was initiated for the *CCR* unit;
    - (C) Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and
    - (D) Provide the date when the assessment of corrective measures was completed for the CCR unit.
  - (v) Whether a remedy was selected pursuant to § 257.97 during the current annual reporting period, and if so, the date of remedy selection; and
  - (vi) Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

Section 5.2 of the CCR Groundwater Sampling and Analysis Plan (Carlson McCain, 2021b) also includes a list of items to be included in the annual report that is similar to items 1 through 5 above, with the addition of a water table contour map using data collected from the current year.

In this report, Section 3 (Site Description) briefly describes the site location and hydrogeologic setting, Section 4 (Monitoring Results) discusses the reporting requirements of the CCR Sampling and Analysis Plan and §257.90(e), and Section 5 (Discussion) summarizes key actions completed in YR2021, describes any problems reported in YR2021 and the actions to resolve the problems, and key activities projected for 2022.

#### 3. SITE DESCRIPTION

Pond 3 is located in the City of Becker, Sherburne County, Minnesota. Pond 3 is approximately 115 acres in size and is part of a larger generating plant site. Phased construction resulted in the northern half of Pond 3 to become operational in 2004 and the southern half in 2010. The Pond 3 location is shown on Figure 1 and an aerial photograph and site layout map for Pond 3 are shown on Figure 2.

#### 3.1 Site Hydrogeology

The site hydrogeology is discussed in more detail in the Pond 3 Groundwater Monitoring System Certification (Carlson McCain, 2017), which was prepared for compliance with 40 CFR §257.91. Facility hydrogeology is briefly summarized below for convenience. Unless otherwise cited, the data presented in this section is credited to Carlson McCain, 2017.

The Facility is located in the Anoka Sand Plain physiogeographic region. The site consists of moderate to highly permeable alluvial deposits above and below a low-permeability glacial till. Precambrian granite, the first bed rock encountered, is considered impermeable. Groundwater flows west-southwest beneath the Facility toward the Mississippi River, which is the regional groundwater discharge for the surficial sand and gravel aquifer. The till layer exhibits variable thickness and is absent in some locations, and no perched groundwater conditions have been identified above the till. Groundwater travel velocities are estimated at 331 feet/year.

The conceptual model for the hypothetical (or potential) release of a constituent of concern (COC) from Pond 3 focuses on groundwater as the transport mechanism. The water table beneath Pond 3 is typically below the glacial till layer identified in Section 2.1.2 of the Pond 3 Groundwater Monitoring System Certification. Exfiltration from the Pond 3 area is anticipated to move vertically downward from the base of the pond until it reaches the water table and/or till contact. If the exfiltration first contacts the till, it may flow through the till in the downgradient direction, but may also flow locally along the till contact to a zone of higher permeability within the till or a discontinuity of the till until it reaches the water table. The lack of an identifiable perched zone above the till indicates that flow along the top of the till is minimal. Upon reaching the water table, a COC would likely travel mainly horizontally to the west-southwest toward the Mississippi River.

#### 4. MONITORING RESULTS

Section 4.1 below presents the monitoring results obtained during YR2021 in terms of the specific requirements of §257.90(e) that are to be included in this report.

#### 4.1 Compliance with §257.90(e)

#### 4.1.1 Groundwater Monitoring System (§257.90(e)(1))

The area of Pond 3 and all upgradient and downgradient monitoring well locations included in the Pond 3 CCR groundwater monitoring system are shown and labeled on Figure 2. A summary of the monitoring wells included in the Pond 3 CCR Groundwater Monitoring System is included in Table 1.

#### 4.1.2 Well Installation or Decommissioning (§257.90(e)(2))

No monitoring wells that are part of the groundwater monitoring system for Pond 3 were installed or decommissioned during YR2021.

#### 4.1.3 Summary of Monitoring Data (§257.90(e)(3))

Monitoring data collected during YR2021 is summarized in Tables 2 and 3 and results are provided in Tables 4 and 5. Table 2 summarizes the data collected and includes the number of groundwater samples that were collected for analysis for each upgradient and downgradient well, the dates the samples were collected, and whether the samples were required by the detection monitoring (i.e. constituents listed Appendix III to 40 CFR §257, hereafter referred to as "Appendix III constituents") or assessment monitoring (i.e. constituents listed in Appendix IV of 40 CFR §257, hereafter referred to as "Appendix IV constituents") programs. Table 3 summarizes the analytical parameters and the number of times that each parameter was analyzed for each well in the groundwater monitoring system. A summary of the spring 2021 monitoring results is provided on Table 4 and a summary of the fall 2021 monitoring results is provided on Table 5.

#### Assessment Monitoring Data

As discussed in a Technical Memorandum dated April 13, 2018 (Carlson McCain, 2018c), NSPM initiated an assessment monitoring program at the Pond 3 during YR2018, and assessment monitoring has continued since that time. Pursuant to the assessment monitoring semiannual sampling requirements listed in §257.95(d)(1), the following groundwater sampling events were conducted during YR2021:

 All wells in the Pond 3 groundwater monitoring system were sampled during the spring monitoring event conducted on May 3-6 and June 10, 2021. Samples were analyzed for Appendix III constituents and Appendix IV constituents. Laboratory reports and field datasheets for the spring monitoring event are included in this report as Appendix A.

 All wells in the Pond 3 groundwater monitoring system were sampled during the fall monitoring event conducted on November 2-4 and November 30, 2021, and samples were analyzed for all Appendix III constituents and only those Appendix IV constituents detected during the spring 2021 assessment monitoring event. Laboratory reports and field datasheets for the fall monitoring event are included in this report as Appendix B.

#### Recorded Concentrations, Background Concentrations and Groundwater Protection Standards

Pursuant to §257.95(d)(3), the annual groundwater monitoring and corrective action report must include the recorded concentrations required by §257.95(d)(1), identify the background parameter concentrations established under §257.94(b) and identify the groundwater protection standards established under §257.95(d)(2).

- <u>Recorded Concentrations</u>: The concentrations for the spring and fall monitoring events that are recorded in the operating record are attached to this report as Appendices A and B, respectively, and summary tables of the data are also provided in Tables 4 and 5, respectively.
- Background Concentrations: The background wells at Pond 3 include P-130, P-131, P-150, P-151, P-152A, P-153 and P-154A and the background parameter concentrations were obtained as part of the baseline data set that was completed by collecting nine independent samples from each of the wells in the groundwater monitoring system from December 2016 through September 2017. Each of the baseline samples were analyzed for Appendix III and Appendix IV constituents. Laboratory reports and field datasheets for the baseline dataset, which includes all background concentrations, are provided in Appendix A of the 2017 CCR Annual Groundwater Monitoring and Corrective Action Report (Carlson McCain, 2018b). The background dataset was evaluated and amended in December 2020 to include data obtained from the background wells during the fall 2017 and years 2018 and 2019. As part of the evaluation, data for each well and parameter was reviewed for outliers and trends, and certain outliers were discarded if a data point was determined to be an error.
- Groundwater Protection Standards: Pursuant to §257.95(h)(1) through §257.95(h)(3), groundwater protection standards have been established for each Appendix IV constituent as either: 1) the maximum contaminant level (MCL) established under 40 CFR §141.62 and §141.66, 2) for those constituents without an MCL (i.e. cobalt, lead, lithium, and molybdenum), the concentration listed in §257.95(h)(2), as amended on July 30, 2018, or 3) for constituents for which the background level is higher than the levels identified under 1) or 2), the background concentration.

The range of background concentrations for each Appendix III and Appendix IV constituent sampled pursuant to §257.94(b), as amended in December 2020, and the groundwater protection standard for each Appendix IV constituent are summarized on the following page.

|                            | Parameter                            | Background Range   | Groundwater Protection<br>Standard |
|----------------------------|--------------------------------------|--------------------|------------------------------------|
|                            | Boron, total (mg/L)                  | <0.050 to 66.9     | NA                                 |
| III                        | Calcium, total (mg/L)                | 25 to 132          | NA                                 |
| Appendix III<br>Parameters | Chloride, total (mg/L)               | <1.0 to 74.6       | NA                                 |
| ine<br>me                  | Fluoride, total (mg/L)               | <0.750             | NA                                 |
| ppe                        | рН (lab) (рН)                        | 7.34 to 8.23       | NA                                 |
| Ap<br>Pe                   | Sulfate, total (mg/L)                | 2.53 to 45.1       | NA                                 |
|                            | Total Dissolved Solids (mg/L)        | 94 to 496          | NA                                 |
|                            | Antimony, total (mg/L)               | < 0.0005           | 0.006                              |
|                            | Arsenic, total (mg/L)                | <0.0005 to 0.0015  | 0.01                               |
|                            | Barium, total (mg/L)                 | <0.05 to 0.111     | 2                                  |
|                            | Beryllium, total (mg/L)              | <0.0005            | 0.004                              |
|                            | Cadmium, total (mg/L)                | <0.0001 to <0.0005 | 0.05                               |
| >                          | Chromium, total (mg/L)               | <0.0005 to 0.0027  | 0.1                                |
| Appendix IV<br>Parameters  | Cobalt, total (mg/L)                 | <0.0005 to 0.0013  | 0.006                              |
| ndi:<br>net                | Fluoride, total (mg/L)               | < 0.750            | 4                                  |
| yer<br>fan                 | Lead, total (mg/L)                   | <0.0005 to 0.0121  | 0.015                              |
| лрр<br>Рал                 | Lithium Total (mg/L)                 | <0.015 to <0.051   | $0.04^{1}$                         |
| ₹ _                        | Mercury, total (mg/L)                | < 0.0002           | 0.002                              |
|                            | Molybdenum, total (mg/L)             | <0.0005 to 0.0011  | 0.1                                |
|                            | Radium, 226 and 228 combined (pCi/L) | <0.84 to 3.1       | 5                                  |
|                            | Selenium, total (mg/L)               | <0.0005 to 0.0017  | 0.05                               |
|                            | Thallium, total (mg/L)               | <0.0005            | 0.002                              |

<sup>&</sup>lt;sup>1</sup> All §257.94(b) required background samples for lithium were obtained prior to amendment of §257.95(h)(2) on July 30, 2018, which implemented a groundwater protection standard of 0.04 mg/L for lithium. The analytical laboratory lowered the reporting limit for lithium from 0.05 mg/L to 0.015 mg/L in response to the rule amendment.

#### Statistical Analysis

Statistical analysis was performed on the YR2021 monitoring data using the procedures described in Pond 3's Statistical Analysis Plan (Carlson McCain, 2021c), and demonstrates compliance with §257.95(e), §257.95(f), and §257.95(g) as described below:

- 1. Subpart §257.95(e) (paraphrased): If the concentrations of all Appendix III and Appendix IV constituents are shown to be at or below background values for two consecutive monitoring events, the owner or operator may return to detection monitoring of the CCR unit.
  - a. Based on statistical comparisons of compliance data to background data for Appendix III and Appendix IV constituents, concentrations of one or more constituents continue to exceed background values, therefore Pond 3 will not return to detection monitoring at this time.

- 2. Subpart §257.95(f) (paraphrased): If the concentrations of any Appendix III or Appendix IV constituent are above background values, but all concentrations are below the applicable groundwater protection standard, the owner or operator must continue assessment monitoring.
  - a. Based on statistical comparisons of Appendix III and Appendix IV constituent concentrations to groundwater protection standards, all concentrations are below the applicable groundwater protection standards, therefore Pond 3 will continue assessment monitoring.
- 3. Subpart §257.95(g) (paraphrased): If one or more Appendix IV constituents are detected at statistically significant levels above the groundwater protection standard in any sampling event, the owner or operator must issue notifications of the exceedance(s) and initiate an assessment of corrective measures.
  - a. As stated in item 2.a, above, all Appendix III and Appendix IV concentrations are below applicable groundwater protection standards, therefore no additional notifications or assessment of corrective measures are required.

#### Groundwater Elevations and Flow Direction

Groundwater elevations and flow direction in the vicinity of Pond 3 during the spring and fall of 2021 monitoring events are shown on the water table elevation contour maps in Figures 3 and 4, respectively. The contours were derived from water level measurements from the wells included in the CCR groundwater monitoring system for Pond 3 along with other nearby monitoring wells and water level piezometers not included in the Pond 3 CCR monitoring system. For both of the events, the flow direction was generally to the west-southwest. The flow direction is consistent with historical data from over 20 years of monitoring at the facility and is also consistent with the regional groundwater flow direction toward the Mississippi River.

Groundwater elevations at Pond 3 monitoring system wells were low during YR2021 compared to recent years and were calculated to be approximately 0.55 feet above historic lows during the fall monitoring event. The low groundwater levels at Pond 3 are consistent with drought conditions experienced throughout Minnesota during 2021. No significant changes in groundwater gradients or flow direction have been observed due to low groundwater levels in the vicinity of Pond 3.

#### 4.1.4 Transition Between Monitoring Programs (§257.90(e)(4))

Pond 3 first transitioned from the detection monitoring program (§257.94) to the assessment monitoring program (§257.95) in 2018, as described in Technical Memorandums dated January 15, 2018 (Carlson McCain, 2018a) and April 13, 2018 (Carlson McCain, 2018c). Since the initial transition to the assessment monitoring program (§257.95) during YR2018, Pond 3 has not transitioned between monitoring programs and continues monitoring under the assessment monitoring program.

#### 4.1.5 Other Information (§257.90(e)(5))

No other information is required to be reported in this CCR Annual Groundwater Monitoring and Corrective Action Report pursuant to §257.90 through §257.98.

#### 5. DISCUSSION

§257.90(e) states that "For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year."

Pursuant to the rule requirements, Section 5.1 below discusses the key actions completed for the groundwater monitoring program at the Pond 3; Section 5.2 discusses the any problems encountered with the groundwater monitoring and actions to resolve such problems; and Section 5.3 discusses key activities that may occur in the upcoming year.

#### 5.1 Key Actions Completed

Key actions that were completed during YR2021 include the following items:

- The 2020 Annual CCR Groundwater Monitoring and Corrective Report (Carlson McCain, 2021) was completed, placed in the facility's operating record on January 28, 2021, and posted on the Pond 3's publicly available website by February 27, 2021.
- Revisions to the Pond 3's Groundwater Sampling and Analysis Plan (Carlson McCain, 2021b) and Statistical Analysis Plan (Carlson McCain, 2021c) were completed and dated May 6, 2021. The Statistical Analysis Plan was placed in the facility's operating record on May 20, 2021 and posted on Pond 3's publicly available website by June 19, 2021.
- Monitoring wells were sampled during the spring event conducted on May 3-6, 2021 and analyzed for all Appendix III and Appendix IV constituents as required by §257.95(d)(1).
- Monitoring wells P-151 and P-165, as part of the spring monitoring event, were resampled
  on June 10, 2021 and analyzed for all for all Appendix III and Appendix IV constituents.
  Pump issues during the spring event at these wells are described in Section 5.2 of this report.
- Ten of twelve monitoring wells were sampled during the fall event conducted on November 2-4, 2021 and analyzed for all Appendix III constituents and only those Appendix IV constituents that were detected during the spring 2021 event as part of semiannual sampling required by §257.95(d)(1). Wells P-150 and P-152A were not sampled due to low groundwater levels.
- Monitoring wells P-132 and P-162 were resampled on November 30, 2021 and analyzed for radium as part of the fall monitoring event. The fall event radium resamples are described in Section 5.2 of this report.
- Laboratory reports and field datasheets for the spring and fall sampling events were placed in the operating record on July 7, 2021 and January 11, 2021, respectively.
- Statistical evaluation of the spring and fall monitoring event data was performed on July 7, 2021 and January 11, 2022, respectively, for compliance with §257.95(e) through (g).

#### 5.2 Problems

#### 5.2.1 Problems Encountered

#### P-151 and P-165 Pump Issues

The dedicated bladder pumps in wells P-151 and P-165 did not work at the time of the sampling on May 6, 2021 and, as a result, a submersible pump and associated tubing was used to obtain the samples from the wells. The samples from each well exhibited abnormally high total suspended solids (TSS) concentrations of 17.4 mg/L and 134 mg/L, which is possibly attributed to mobilization of sediment caused by the pulling the bladder pump out of the well and inserting the submersible pump. The abnormally high TSS was identified during data validation and the issue or inconsistency may impact the validity of the P-151 and P-165 sampling data. Data validation is described in Section 5.1.1 of the CCR Groundwater Sampling and Analysis Plan (Carlson McCain, 2020b). Any sample with a field turbidity result over 5 NTU or TSS detection over 5 mg/L indicates the presence of sediment that can interfere with the laboratory analysis possibly producing anomalous results of other sample constituents. As such, the spring samples from wells P-151 and P-165 were flagged as potentially invalid.

#### Low Groundwater Level Issues

Low groundwater levels prevented samples from being collected from well P-150 and P-152A during the fall monitoring event. Attempts were made to collect samples from the wells using the dedicated bladder pumps installed in the wells and a non-dedicated submersible pump and associated tubing. The water levels in each of the wells were below the top of the bladder pumps which prevented the bladder pumps from functioning. Submersible pumps also generally need at least a one-foot water column in wells for the pumps to work, but only 0.15- and 0.89-foot water columns were present in wells P-150 and P-152A, respectively, at the time of sampling.

#### Fall Event Radium Resamples

The radium analytical laboratory reportedly mishandled or lost radium sample containers for samples from wells P-132 and P-162 during the fall monitoring event. The problem was identified at the radium analytical laboratory about two weeks after the original samples for obtained from the wells during the fall monitoring event.

#### Other Problems

No other significant problems with the groundwater monitoring system, or deviations from the CCR Groundwater Sampling and Analysis Plan were reported at the facility during YR2021. No corrective action was required at the facility during YR2021.

#### 5.2.2 Resolution of Problems

#### P-151 and P-165 Pump Issues

The bladder pumps in wells P-151 and P-165 were removed from the wells and were inspected during the spring monitoring event. It was determined that both bladder pumps had stuck check

balls in the top of the units, which prevented water from passing through the units. The check balls were dislodged and the bladder pump reassembled, decontaminated, and reinstalled in the wells. Prior to reinstallation of the pumps in the wells, both wells were purged with a 12-volt submersible pump for a few minutes to remove excess sediment from the wells. Wells P-151 and P-165 were purged and resampled on June 10, 2021 and the dedicated bladder pumps functioned properly, resulting in successful samples from both wells. The data from the June 10, 2021 resample reported low field turbidity and TSS results and other parameter concentrations appeared normal.

The June 10, 2021 resampling of wells P-151 and P-165 confirmed that the samples obtained on May 6, 2021 were of low quality and, as such, the May 6, 2021 sampling data from P-151 and P-165 (with the exception of the static water level and water level elevation) were invalidated and removed from the data set. The June 10, 2021 sampling data was used during YR2021 data interpretation and will also continue to be used during future data interpretation.

#### Low Groundwater Level Issues

Low groundwater levels prevented samples from being collected from wells P-150 and P-152A during the fall monitoring event, which represents a data gap from the fall monitoring event.

Wells P-150 and P-152A at Pond 3 are upgradient background wells. Pond 3 has seven upgradient wells in the monitoring system and the minimum number of background wells Pond 3 is required to have is one. Interwell statistical analysis is performed on the monitoring locations at Pond 3. Considering Pond 3 has seven upgradient wells to pool for interwell statistical analysis, missing data from two background wells for possibly several monitoring events won't significantly affect data interpretation at Pond 3. Wells P-150 and P-152A will once again be sampled as soon groundwater levels sufficiently recover to be able to sample the wells.

#### Fall Event Radium Resamples

Field sampling staff notified the project manager on November 24, 2021 of the missing radium sample containers from wells P-132 and P-162. Arrangements were made to resample wells P-132 and P-162 and those wells were resampled on November 30, 2021. Only the necessary radium sample containers were filled for analysis at the laboratory. Radium results from each of the monitoring wells, including P-132 and P-162, for the fall monitoring event were included on one laboratory report which was received from our field samplers on January 6, 2022.

#### Other Problems

No other significant problems with the groundwater monitoring system, or deviations from the CCR Groundwater Sampling and Analysis Plan requiring resolution were reported at the facility during YR2021.

#### 5.3 Key Activities for 2022

The following key actions are anticipated at the Pond 3 in the year 2022:

2021 CCR Annual Groundwater Monitoring Report Sherco Scrubber Solids Pond No. 3

- 1. Routine, semi-annual assessment monitoring events at monitoring system wells are planned in the spring between March 15 and May 15, 2021 and in the fall between September 15 and November 15, 2021.
- 2. Statistical analysis of monitoring results will be conducted to demonstrate compliance with §257.95(e) through (g).

#### 6.0 REFERENCES

Carlson McCain, 2017. CCR Groundwater Monitoring System Certification, Scrubber Solids Pond No. 3, Sherco Generating Plant, prepared for Northern States Power Company, A Minnesota Corporation, October 16, 2017.

**Carlson McCain, 2018a.** SSI Determination – Scrubber Solids Pond No. 3, Prepared for NSPM Environmental Services, Carlson McCain, Inc., January 15, 2018.

Carlson McCain, 2018b. CCR Annual Groundwater and Corrective Action Monitoring Report, Scrubber Solids Pond No. 3, Sherco Generating Plant, prepared for Northern States Power Company, A Minnesota Corporation, January 29, 2018.

**Carlson McCain, 2018c.** Alternate Source Demonstration Update – Scrubber Solids Pond No. 3, Prepared for NSPM Environmental Services, Carlson McCain, Inc., April 13, 2018.

Carlson McCain, 2021a. 2020 CCR Annual Groundwater and Corrective Action Monitoring Report, Scrubber Solids Pond No. 3, Sherco Generating Plant, prepared for Northern States Power Company, A Minnesota Corporation, January 28, 2021.

Carlson McCain, 2021b. CCR Groundwater Sampling and Analysis Plan – Revision #2, Scrubber Solids Pond No. 3, Sherco Generating Plant, prepared for Northern States Power Company, A Minnesota Corporation, May 6, 2021.

**Carlson McCain, 2021c.** Statistical Analysis Plan – Revision #1, Scrubber Solids Pond No. 3, Sherco Generating Plant, prepared for Northern States Power Company, A Minnesota Corporation, May 6, 2021.

### **Tables**

Table 1
CCR Groundwater Monitoring System
Scrubber Solids Pond No. 3

|         | Minnesota |           | Loca               | ition        | Elevation  |          | Screen | Elevation | Elevation |                     |               |
|---------|-----------|-----------|--------------------|--------------|------------|----------|--------|-----------|-----------|---------------------|---------------|
|         | Unique    | Date      | Site Coord         | dinates (ft) | Top of     | Well     | Length | Top of    | Bottom of |                     | Hydrologic    |
| Well ID | Well ID   | Installed | Easting            | Northing     | Riser Pipe | Type     | (ft)   | Screen    | Screen    | Monitoring Status   | Location      |
| P-130   | 722085    | 5/12/05   | 2031446.8          | 865871.1     | 965.59     | Vertical | 10     | 931       | 921       | Routine Semi-annual | Up-gradient   |
| P-131   | 722086    | 5/16/05   | 2033046.4 865133.3 |              | 966.03     | Vertical | 10     | 931 921   |           | Routine Semi-annual | Up-gradient   |
| P-132   | 722087    | 5/11/05   | 2031594.6 862211.7 |              | 955.96     | Vertical | 10     | 931       | 921       | Routine Semi-annual | Down-Gradient |
| P-150   | 806320    | 10/7/14   | 2032983.1 867047.3 |              | 964.41     | Vertical | 10     | 938       | 928       | Routine Semi-annual | Up-gradient   |
| P-151   | 806315    | 10/9/14   | 2032644.2          | 865848.2     | 942.44     | Vertical | 10     | 932       | 922       | Routine Semi-annual | Up-gradient   |
| P-152A  | 806318    | 10/10/14  | 2031471.6          | 866696.4     | 965.87     | Vertical | 10     | 934       | 924       | Routine Semi-annual | Up-gradient   |
| P-153   | 806314    | 10/13/14  | 2032310.4          | 864158.5     | 944.94     | Vertical | 10     | 931       | 921       | Routine Semi-annual | Up-gradient   |
| P-154A  | 806316    | 10/15/14  | 2032966.3          | 862868.4     | 961.44     | Vertical | 10     | 922       | 912       | Routine Semi-annual | Up-gradient   |
| P-162   | 822156    | 7/25/16   | 2030610            | 864631.7     | 1020.9     | Angled   | 20     | 929       | 916       | Routine Semi-annual | Down-Gradient |
| P-163   | 822157    | 7/19/16   | 2030604 863992     |              | 1024.98    | Angled   | 20     | 927       | 914       | Routine Semi-annual | Down-Gradient |
| P-164   | 822158    | 7/14/16   | 2030610 863059.5   |              | 1020.49    | Angled   | 20     | 928       | 916       | Routine Semi-annual | Down-Gradient |
| P-165   | 822159    | 7/12/16   | 2030714 862215.8   |              | 957.13     | Vertical | 10     | 927       | 917       | Routine Semi-annual | Down-Gradient |

\*Notes:

Elevation is feet above mean sea level

Table 2
Summary of Data Collected
Sherco Scrubber Solids Pond No. 3

|        |           | Upgradient Well          | S                                 |                        |
|--------|-----------|--------------------------|-----------------------------------|------------------------|
| Well   | Number of |                          | Sample Dates                      |                        |
| ID     | Samples   | Spring 2021 <sup>1</sup> | Spring 2021 Resample <sup>2</sup> | Fall 2021 <sup>3</sup> |
| P-130  | 2         | 5/5/2021                 |                                   | 11/4/2021              |
| P-131  | 2         | 5/3/2021                 |                                   | 11/4/2021              |
| P-150  | 2         | 5/3/2021                 |                                   | NS <sup>4</sup>        |
| P-151  | 3         | 5/6/2021                 | 6/10/2021                         | 11/4/2021              |
| P-152A | 2         | 5/4/2021                 |                                   | NS <sup>4</sup>        |
| P-153  | 2         | 5/3/2021                 |                                   | 11/4/2021              |
| P-154A | 2         | 5/3/2021                 |                                   | 11/4/2021              |

|       |           | Downgradient We                                                    | lls          |                          |  |  |  |  |  |  |
|-------|-----------|--------------------------------------------------------------------|--------------|--------------------------|--|--|--|--|--|--|
| Well  | Number of |                                                                    | Sample Dates |                          |  |  |  |  |  |  |
| ID    | Samples   | Samples Spring 2021 <sup>1</sup> Spring 2021 Resample <sup>2</sup> |              |                          |  |  |  |  |  |  |
| P-132 | 2         | 5/3/2021                                                           |              | 11/3/2021 and 11/30/2021 |  |  |  |  |  |  |
| P-162 | 2         | 5/5/2021                                                           |              | 11/4/2021 and 11/30/2021 |  |  |  |  |  |  |
| P-163 | 2         | 5/5/2021                                                           |              | 11/4/2021                |  |  |  |  |  |  |
| P-164 | 2         | 5/5/2021                                                           |              | 11/4/2021                |  |  |  |  |  |  |
| P-165 | 3         | 5/6/2021                                                           | 6/10/2021    | 11/3/2021                |  |  |  |  |  |  |

<sup>&</sup>lt;sup>1</sup> Assessment monitoring event sampled and analyzed for appendix III and appendix IV of §257 constituents as required by §257.95(b).

<sup>&</sup>lt;sup>2</sup> Wells P-151 and P-165 were resampled as part of the spring assessment monitoring event due to anomalous data in the original May 6, 2021 samples.

<sup>&</sup>lt;sup>3</sup> Assessment monitoring semiannual resample event sampled and analyzed for appendix III of §257 and those appendix IV of §257 constituents detected during Spring 2021 as required by §257.95(d)(1). Samples were obtained from wells P-132 and P-162 for radium analysis on 11/30/2021.

 $<sup>^4</sup>$  No Sample. Low groundwater levels prevented a sample from being collected from the well during the specified monitoring event.

Table 3
Count of Parameters Analyzed by Well
Sherco Scrubber Solids Pond No.3

|                               | Appendix III Parameters |       |       |       |       |           |            |        |       |       |       |       |  |  |  |
|-------------------------------|-------------------------|-------|-------|-------|-------|-----------|------------|--------|-------|-------|-------|-------|--|--|--|
| Parameter                     |                         |       |       |       | Well  | ID and Nu | mber of Sa | mples  |       |       |       |       |  |  |  |
| rarameter                     | P-130                   | P-131 | P-132 | P-150 | P-151 | P-152A    | P-153      | P-154A | P-162 | P-163 | P-164 | P-165 |  |  |  |
| Boron, total (mg/L)           | 2                       | 2     | 2     | 1     | 3     | 1         | 2          | 2      | 2     | 2     | 2     | 3     |  |  |  |
| Calcium, total (mg/L)         | 2                       | 2     | 2     | 1     | 3     | 1         | 2          | 2      | 2     | 2     | 2     | 3     |  |  |  |
| Chloride, total (mg/L)        | 2                       | 2     | 2     | 1     | 3     | 1         | 2          | 2      | 2     | 2     | 2     | 3     |  |  |  |
| Fluoride, total (mg/L)        | 2                       | 2     | 2     | 1     | 3     | 1         | 2          | 2      | 2     | 2     | 2     | 3     |  |  |  |
| pH (lab) (pH)                 | 2                       | 2     | 2     | 1     | 3     | 1         | 2          | 2      | 2     | 2     | 2     | 3     |  |  |  |
| Sulfate, total (mg/L)         | 2                       | 2     | 2     | 1     | 3     | 1         | 2          | 2      | 2     | 2     | 2     | 3     |  |  |  |
| Total Dissolved Solids (mg/L) | 2                       | 2     | 2     | 1     | 3     | 1         | 2          | 2      | 2     | 2     | 2     | 3     |  |  |  |

|                                         |       |       |       | Appen | dix IV Par | ameters   |            |        |       |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|------------|-----------|------------|--------|-------|-------|-------|-------|
| Parameter                               |       |       |       |       | Well       | ID and Nu | mber of Sa | mples  |       |       |       |       |
| rarameter                               | P-130 | P-131 | P-132 | P-150 | P-151      | P-152A    | P-153      | P-154A | P-162 | P-163 | P-164 | P-165 |
| Antimony, total (mg/L)                  | 1     | 1     | 1     | 1     | 2          | 1         | 1          | 1      | 1     | 1     | 1     | 2     |
| Arsenic, total (mg/L)                   | 2     | 2     | 2     | 1     | 3          | 1         | 2          | 2      | 2     | 2     | 2     | 3     |
| Barium, total (mg/L)                    | 2     | 2     | 2     | 1     | 3          | 1         | 2          | 2      | 2     | 2     | 2     | 3     |
| Beryllium, total (mg/L)                 | 1     | 1     | 1     | 1     | 2          | 1         | 1          | 1      | 1     | 1     | 1     | 2     |
| Cadmium,total (mg/L)                    | 1     | 1     | 1     | 1     | 2          | 1         | 1          | 1      | 1     | 1     | 1     | 2     |
| Chromium, total (mg/L)                  | 2     | 2     | 2     | 1     | 3          | 1         | 2          | 2      | 2     | 2     | 2     | 3     |
| Cobalt, total (mg/L)                    | 2     | 2     | 2     | 1     | 3          | 1         | 2          | 2      | 2     | 2     | 2     | 3     |
| Lead, total (mg/L)                      | 1     | 1     | 1     | 1     | 2          | 1         | 1          | 1      | 1     | 1     | 1     | 2     |
| Lithium Total (mg/L)                    | 1     | 1     | 1     | 1     | 2          | 1         | 1          | 1      | 1     | 1     | 1     | 2     |
| Mercury, total (mg/L)                   | 1     | 1     | 1     | 1     | 2          | 1         | 1          | 1      | 1     | 1     | 1     | 2     |
| Molybdenum, total (mg/L)                | 2     | 2     | 2     | 1     | 3          | 1         | 2          | 2      | 2     | 2     | 2     | 3     |
| Selenium, total (mg/L)                  | 2     | 2     | 2     | 1     | 3          | 1         | 2          | 2      | 2     | 2     | 2     | 3     |
| Thallium, total (mg/L)                  | 1     | 1     | 1     | 1     | 2          | 1         | 1          | 1      | 1     | 1     | 1     | 2     |
| Radium, 226 and 228 combined<br>(pCi/L) | 2     | 2     | 2     | 1     | 3          | 1         | 2          | 2      | 2     | 2     | 2     | 3     |

Table 4
Spring 2021 Groundwater Summary Data
Scrubber Solids Pond No. 3

|                        | Appendix III Parameters |      |          |          |          |          |           |            |           |          |          |          |          |           |  |
|------------------------|-------------------------|------|----------|----------|----------|----------|-----------|------------|-----------|----------|----------|----------|----------|-----------|--|
|                        |                         |      |          |          |          |          | W         | ell ID and | Sample Da | ite      |          |          |          |           |  |
| Parameter              | Units                   | GWPS | P-130    | P-131    | P-132    | P-150    | P-151     | P-152A     | P-153     | P-154A   | P-162    | P-163    | P-164    | P-165     |  |
|                        |                         |      | 5/5/2021 | 5/3/2021 | 5/3/2021 | 5/3/2021 | 6/10/2021 | 5/4/2021   | 5/3/2021  | 5/3/2021 | 5/5/2021 | 5/5/2021 | 5/5/2021 | 6/10/2021 |  |
| Boron, total           | mg/L                    | NA   | < 0.0500 | < 0.0500 | 0.0684   | < 0.0500 | < 0.0500  | < 0.0500   | < 0.0500  | < 0.0500 | 0.226    | 0.122    | 0.0689   | < 0.0500  |  |
| Calcium, total         | mg/L                    | NA   | 103      | 72.4     | 95       | 47.6     | 89.5      | 57.2       | 25        | 67.3     | 94.1     | 80.3     | 73.9     | 80.1      |  |
| Chloride, total        | mg/L                    | NA   | <1.000   | 21.3     | 2.01     | 31.5     | 45.6      | 3.45       | <1.000    | 21.6     | 29.3     | 29.5     | 10       | 11.4      |  |
| Fluoride, total        | mg/L                    | NA   | < 0.7500 | < 0.7500 | < 0.7500 | < 0.7500 | < 0.7500  | < 0.7500   | < 0.7500  | < 0.7500 | < 0.7500 | < 0.7500 | < 0.7500 | <0.7500   |  |
| pH, Lab                | pН                      | NA   | 7.7      | 7.89     | 7.7      | 7.95     | 7.91      | 7.92       | 8.17      | 8        | 8.08     | 8.12     | 8.16     | 7.88      |  |
| Sulfate, total         | mg/L                    | NA   | 10.2     | 13.2     | 55       | 3.74     | 33.9      | 16.1       | 3.38      | 36       | 126      | 70.1     | 42.4     | 40.3      |  |
| Total Dissolved Solids | mg/L                    | NA   | 422      | 298      | 380      | 222      | 406       | 236        | 114       | 310      | 594      | 372      | 344      | 318       |  |

|                              |       |       |          |          | Appei    | ndix IV Pa | rameters  |            |           |          |          |          |          |           |
|------------------------------|-------|-------|----------|----------|----------|------------|-----------|------------|-----------|----------|----------|----------|----------|-----------|
|                              |       |       |          |          |          |            | W         | ell ID and | Sample Da | ate      |          |          |          |           |
| Parameter                    | Units | GWPS  | P-130    | P-131    | P-132    | P-150      | P-151     | P-152A     | P-153     | P-154A   | P-162    | P-163    | P-164    | P-165     |
|                              |       |       | 5/5/2021 | 5/3/2021 | 5/3/2021 | 5/3/2021   | 6/10/2021 | 5/4/2021   | 5/3/2021  | 5/3/2021 | 5/5/2021 | 5/5/2021 | 5/5/2021 | 6/10/2021 |
| Antimony, total              | mg/L  | 0.006 | < 0.0005 | < 0.0005 | <0.0005  | < 0.0005   | < 0.0005  | < 0.0005   | < 0.0005  | < 0.0005 | < 0.0005 | <0.0005  | <0.0005  | < 0.0005  |
| Arsenic, total               | mg/L  | 0.01  | 0.0006   | 0.0006   | <0.0005  | 0.0006     | < 0.0005  | 0.0005     | 0.0012    | 0.0015   | 0.0007   | 0.0005   | 0.0005   | <0.0005   |
| Barium, total                | mg/L  | 2     | 0.0875   | 0.0751   | 0.042    | 0.0449     | 0.0714    | 0.0462     | 0.0149    | 0.0482   | 0.0514   | 0.0342   | 0.0444   | 0.0405    |
| Beryllium, total             | mg/L  | 0.004 | < 0.0005 | <0.0005  | <0.0005  | <0.0005    | < 0.0001  | < 0.0005   | < 0.0005  | <0.0005  | < 0.0001 | < 0.0001 | <0.0001  | < 0.0001  |
| Cadmium,total                | mg/L  | 0.005 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001   | < 0.0001  | < 0.0001   | < 0.0001  | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001  |
| Chromium, total              | mg/L  | 0.1   | 0.0013   | 0.0007   | 0.0017   | 0.0006     | 0.0011    | 0.0011     | 0.0009    | 0.0006   | 0.0088   | 0.0083   | 0.0102   | 0.002     |
| Cobalt, total                | mg/L  | 0.006 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005   | < 0.0005  | < 0.0005   | < 0.0005  | < 0.0005 | < 0.0005 | < 0.0005 | <0.0005  | < 0.0005  |
| Fluoride, total              | mg/L  | 4     | <0.7500  | < 0.7500 | < 0.7500 | < 0.7500   | < 0.7500  | < 0.7500   | < 0.7500  | < 0.7500 | < 0.7500 | < 0.7500 | < 0.7500 | <0.7500   |
| Lead, total                  | mg/L  | 0.015 | < 0.0005 | <0.0005  | <0.0005  | < 0.0005   | < 0.0005  | < 0.0005   | < 0.0005  | < 0.0005 | < 0.0005 | <0.0005  | <0.0005  | <0.0005   |
| Lithium, total               | mg/L  | 0.04  | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150   | < 0.0150  | < 0.0150   | < 0.0150  | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150 | < 0.0150  |
| Mercury, total               | mg/L  | 0.002 | < 0.0002 | < 0.0002 | < 0.0002 | < 0.0002   | < 0.0002  | < 0.0002   | < 0.0002  | < 0.0002 | < 0.0002 | < 0.0002 | <0.0002  | < 0.0002  |
| Molybdenum, total            | mg/L  | 0.1   | < 0.0005 | < 0.0005 | <0.0005  | <0.0005    | < 0.0005  | < 0.0005   | 0.0006    | 0.0009   | 0.0025   | 0.0006   | 0.0006   | <0.0005   |
| Selenium, total              | mg/L  | 0.05  | 0.0008   | 0.0007   | 0.0014   | 0.0005     | < 0.0005  | 0.0009     | 0.0007    | 0.0007   | 0.0064   | 0.0071   | 0.0041   | 0.0007    |
| Thallium, total              | mg/L  | 0.002 | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005   | < 0.0005  | < 0.0005   | < 0.0005  | < 0.0005 | < 0.0005 | < 0.0005 | < 0.0005 | <0.0005   |
| Radium, 226 and 228 combined | pCi/L | 5     | 0.88     | <1.4     | <1.4     | 1.3        | <1.7      | < 0.84     | <1.6      | <1.4     | <1.1     | <1.4     | <1.5     | <1.0      |

| Field Parameters      |           |      |          |          |          |          |           |            |           |          |          |          |          |           |
|-----------------------|-----------|------|----------|----------|----------|----------|-----------|------------|-----------|----------|----------|----------|----------|-----------|
|                       |           |      |          |          |          |          | W         | ell ID and | Sample Da | ate      |          |          |          |           |
| Parameter             | Units     | GWPS | P-130    | P-131    | P-132    | P-150    | P-151     | P-152A     | P-153     | P-154A   | P-162    | P-163    | P-164    | P-165     |
|                       |           |      | 5/5/2021 | 5/3/2021 | 5/3/2021 | 5/3/2021 | 6/10/2021 | 5/4/2021   | 5/3/2021  | 5/3/2021 | 5/5/2021 | 5/5/2021 | 5/5/2021 | 6/10/2021 |
| ORP                   | mV        | NA   | 177      | 272      | 278      | 245      | 247       | 154        | 259       | 280      | 219      | 234      | 236      | 254       |
| Oxygen, dissolved     | mg/L      | NA   | 7.8      | 9.8      | 8.8      | 9.8      | 10.9      | 9.3        | 10.1      | 4.4      | 8.9      | 8.2      | 7.5      | 11        |
| pH, field             | pН        | NA   | 7.4      | 7.6      | 7.4      | 7.7      | 7.2       | 7.9        | 8.3       | 7.8      | 7.6      | 7.7      | 7.7      | 8         |
| Specific Cond, field  | μmhos/cm  | NA   | 740      | 570      | 670      | 450      | 300       | 370        | 220       | 540      | 860      | 650      | 540      | 260       |
| Static Water Level    | ft        | NA   | 38.58    | 36.41    | 30.55    | 34.53    | 13.62     | 39.21      | 17.64     | 34.23    | 149      | 158      | 152      | 32.6      |
| Temperature           | degrees C | NA   | 10.1     | 10.3     | 11       | 10.3     | 12.8      | 9.6        | 10.7      | 10.1     | 9.3      | 9.8      | 11.3     | 12.5      |
| Turbidity, field      | NTU       | NA   | 0.3      | 1.9      | 3        | 2.4      | 3.8       | 1          | 3.2       | 2.7      | 4.3      | 3        | 3.9      | 4.7       |
| Water Level Elevation | ft        | NA   | 927.01   | 929.62   | 925.41   | 929.88   | 928.82    | 926.66     | 927.3     | 927.21   |          |          |          | 924.53    |

GWPS = Groundwater Protection Standard

NA = Not Applicable

Two dashed lines = Not Analyzed

Downgradient Well

# Table 5 Fall 2021 Groundwater Summary Data Scrubber Solids Pond No. 3

|                        | Appendix III Parameters |      |           |           |           |                    |           |                     |           |           |           |           |           |           |  |
|------------------------|-------------------------|------|-----------|-----------|-----------|--------------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|--|
|                        |                         |      |           |           |           |                    | W         | ell ID and          | Sample Da | ite       |           |           |           |           |  |
| Parameter              | Units                   | GWPS | P-130     | P-131     | P-132     | P-150 <sup>1</sup> | P-151     | P-152A <sup>1</sup> | P-153     | P-154A    | P-162     | P-163     | P-164     | P-165     |  |
|                        |                         |      | 11/4/2021 | 11/4/2021 | 11/3/2021 | 11/4/2021          | 11/4/2021 | 11/2/2021           | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/3/2021 |  |
| Boron, total           | mg/L                    | NA   | < 0.0500  | < 0.0500  | 0.0866    |                    | < 0.0500  |                     | < 0.0500  | < 0.0500  | 0.229     | 0.0787    | 0.0797    | 0.0554    |  |
| Calcium, total         | mg/L                    | NA   | 36.4      | 71.2      | 82.3      |                    | 50        |                     | 23.4      | 54.1      | 86.8      | 67.3      | 72.3      | 77.8      |  |
| Chloride, total        | mg/L                    | NA   | <1.000    | 22.8      | 1.59      |                    | 18.2      |                     | <1.000    | 7.88      | 31.4      | 27.4      | 11.3      | 6.46      |  |
| Fluoride, total        | mg/L                    | NA   | < 0.7500  | < 0.7500  | < 0.7500  |                    | < 0.7500  |                     | < 0.7500  | < 0.7500  | < 0.7500  | < 0.7500  | < 0.7500  | < 0.7500  |  |
| pH, Lab                | рН                      | NA   | 7.83      | 7.74      | 7.61      |                    | 7.82      |                     | 8.01      | 7.89      | 7.97      | 7.98      | 7.91      | 7.79      |  |
| Sulfate, total         | mg/L                    | NA   | 3.4       | 29.8      | 60.6      |                    | 14.9      |                     | 3.31      | 22.2      | 125       | 63.3      | 45.8      | 43.2      |  |
| Total Dissolved Solids | mg/L                    | NA   | 156       | 318       | 370       |                    | 232       |                     | 106       | 246       | 560       | 336       | 332       | 334       |  |

|                              |       |       |           |           | Append    | dix IV Par         | ameters   |                     |           |           |           |           |           |           |
|------------------------------|-------|-------|-----------|-----------|-----------|--------------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                              |       |       |           |           |           |                    | W         | ell ID and          | Sample Da | ite       |           |           |           |           |
| Parameter                    | Units | GWPS  | P-130     | P-131     | P-132     | P-150 <sup>1</sup> | P-151     | P-152A <sup>1</sup> | P-153     | P-154A    | P-162     | P-163     | P-164     | P-165     |
|                              |       |       | 11/4/2021 | 11/4/2021 | 11/3/2021 | 11/4/2021          | 11/4/2021 | 11/2/2021           | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/3/2021 |
| Antimony, total              | mg/L  | 0.006 |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Arsenic, total               | mg/L  | 0.01  | 0.0006    | 0.0007    | < 0.0005  |                    | < 0.0005  |                     | 0.0015    | 0.0014    | 0.001     | 0.0006    | 0.0005    | 0.0005    |
| Barium, total                | mg/L  | 2     | 0.0262    | 0.0761    | 0.0408    |                    | 0.0439    |                     | 0.0167    | 0.0426    | 0.048     | 0.0329    | 0.0457    | 0.041     |
| Beryllium, total             | mg/L  | 0.004 |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Cadmium,total                | mg/L  | 0.005 |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Chromium, total              | mg/L  | 0.1   | 0.0013    | 0.0019    | 0.0021    |                    | 0.0011    |                     | 0.0014    | 0.001     | 0.0129    | 0.0078    | 0.0094    | 0.0025    |
| Cobalt, total                | mg/L  | 0.006 |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Fluoride, total              | mg/L  | 4     |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Lead, total                  | mg/L  | 0.015 |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Lithium, total               | mg/L  | 0.04  |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Mercury, total               | mg/L  | 0.002 |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Molybdenum, total            | mg/L  | 0.1   | < 0.0005  | 0.0005    | < 0.0005  |                    | < 0.0005  |                     | 0.0006    | 0.0007    | 0.003     | 0.0008    | 0.0005    | < 0.0005  |
| Selenium, total              | mg/L  | 0.05  | <0.0005   | 0.0007    | 0.0014    |                    | < 0.0005  |                     | < 0.0005  | < 0.0005  | 0.0068    | 0.0056    | 0.0047    | 0.0007    |
| Thallium, total              | mg/L  | 0.002 |           |           |           |                    |           |                     |           |           |           |           |           |           |
| Radium, 226 and 228 combined | pCi/L | 5     | <1.7      | <1.6      | <1.6      |                    | <1.7      |                     | <1.8      | <1.6      | <1.2      | <1.5      | <2.0      | <1.9      |

| Field Parameters      |           |      |           |           |           |                    |           |                     |           |           |           |           |           |           |
|-----------------------|-----------|------|-----------|-----------|-----------|--------------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                       |           |      |           |           |           |                    | W         | ell ID and          | Sample Da | ite       |           |           |           |           |
| Parameter             | Units     | GWPS | P-130     | P-131     | P-132     | P-150 <sup>1</sup> | P-151     | P-152A <sup>1</sup> | P-153     | P-154A    | P-162     | P-163     | P-164     | P-165     |
|                       |           |      | 11/4/2021 | 11/4/2021 | 11/3/2021 | 11/4/2021          | 11/4/2021 | 11/2/2021           | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/4/2021 | 11/3/2021 |
| ORP                   | mV        | NA   | 190       | 206       | 216       |                    | 199       |                     | 185       | 201       | 208       | 200       | 205       | 213       |
| Oxygen, dissolved     | mg/L      | NA   | 10.1      | 8.6       | 8.7       |                    | 9.9       |                     | 10.7      | 3.8       | 10.4      | 10.4      | 10        | 9.8       |
| pH, field             | pН        | NA   | 7.8       | 7.7       | 7.4       |                    | 7.8       |                     | 8.3       | 7.9       | 8.1       | 8.1       | 7.8       | 7.6       |
| Specific Cond, field  | μmhos/cm  | NA   | 300       | 590       | 630       |                    | 420       |                     | 180       | 470       | 880       | 580       | 560       | 570       |
| Static Water Level    | ft        | NA   | 41.03     | 38.97     | 33.31     | 36.5               | 15.98     | 41.46               | 20.18     | 36.94     | 151.87    | 160.32    | 154.68    | 35.14     |
| Temperature           | degrees C | NA   | 11.3      | 9.9       | 9.6       |                    | 14        |                     | 12.6      | 9.5       | 8.7       | 10.1      | 11.3      | 9.9       |
| Turbidity, field      | NTU       | NA   | 2.3       | 1.3       | 3.3       |                    | 2.8       |                     | 1.5       | 3         | 3.6       | 2.7       | 2.5       | 3         |
| Water Level Elevation | ft        | NA   | 924.56    | 927.06    | 922.65    | 927.91             | 926.46    | 924.41              | 924.76    | 924.5     |           |           |           | 921.99    |

GWPS = Groundwater Protection Standard

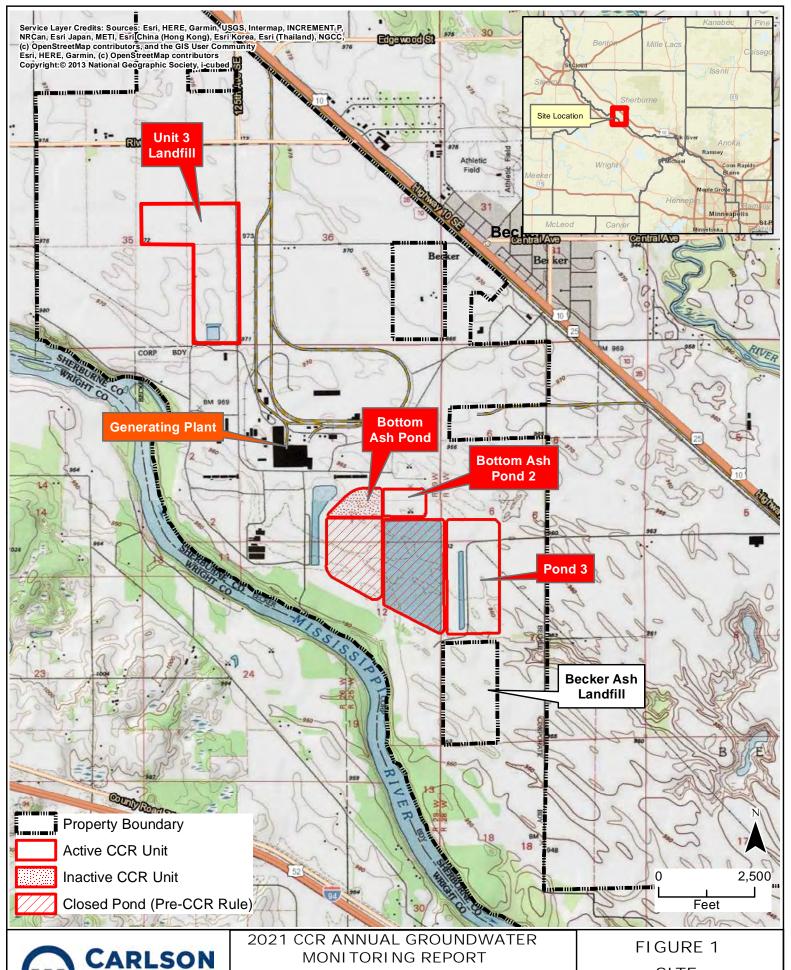
Two dashed lines = Not Analyzed

Downgradient Well

NA = Not Applicable

<sup>1</sup> Low groundwater levels prevented a sample from being collected from the well on the specified date.

## **Figures**

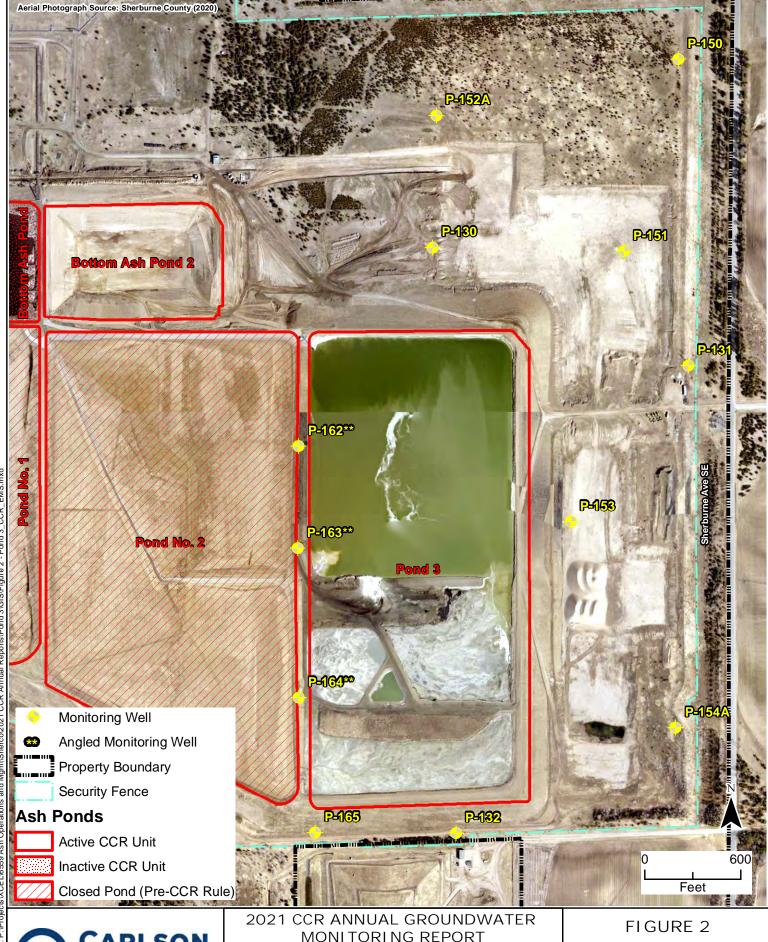




Scrubber Solids Pond No. 3

Sherburne County Generating Plant Becker, Minnesota

SITE LOCATION MAP

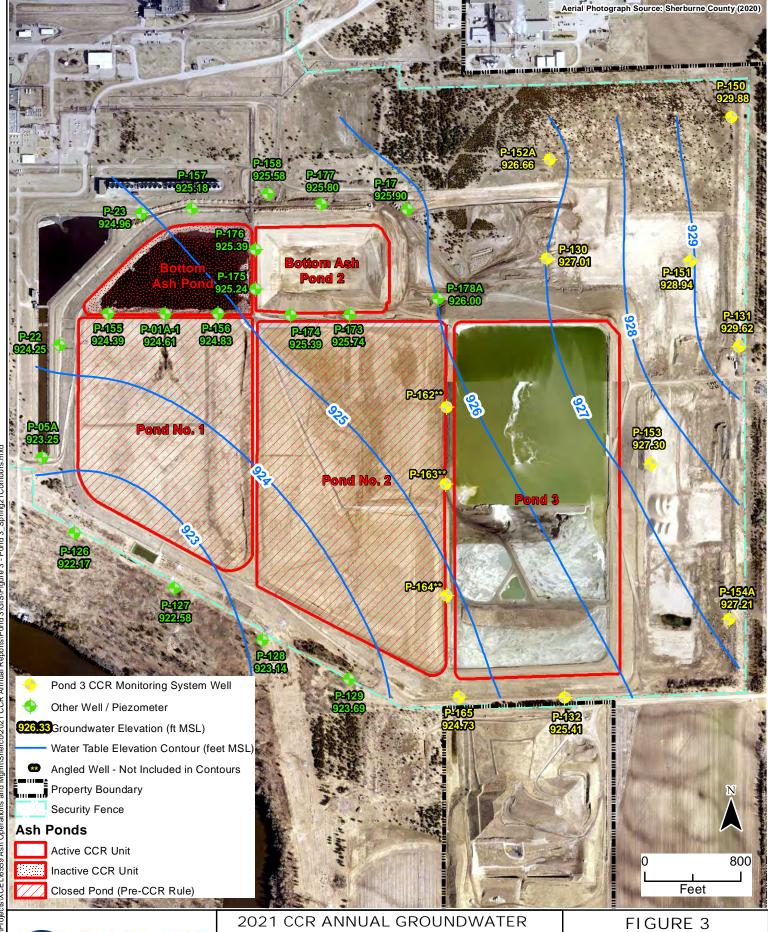




2021 CCR ANNUAL GROUNDWATER
MONITORING REPORT
Scrubber Solids Pond No. 3
Sherburne County Generating Plant

Becker, Minnesota

CCR GROUNDWATER
MONITORING SYSTEM





2021 CCR ANNUAL GROUNDWATER
MONITORING REPORT
Scrubber Solids Pond No. 3
Sherburne County Generating Plant

Becker, Minnesota

FIGURE 3
WATER TABLE
ELEVATION CONTOUR
MAP (05/03/2021)





2021 CCR ANNUAL GROUNDWATER
MONITORING REPORT
Scrubber Solids Pond No. 3
Sherburne County Generating Plant

Becker, Minnesota

FIGURE 4 WATER TABLE ELEVATION CONTOUR MAP (11/01/2021)

## Appendix A

**Spring 2021 Assessment Monitoring Event Field Datasheets and Laboratory Reports** 



| uo                                           | Client X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | el Sherc                          | O P               | roject Shereo   | Pends      | Spanis 2    | 021 Projec  | t No. 21- | 04548              |  |  |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------|-----------------|------------|-------------|-------------|-----------|--------------------|--|--|
| Well Description and Presampling Information | Monitorin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ng Point ID _                     | P-130             |                 |            |             | Lat         | peled P   | -130               |  |  |
| nfor                                         | Inside                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | e Diameter _                      | 2 (inch           | es) Key#        | 2101       | ٠.          | Locked      |           | Not Locked         |  |  |
| E E                                          | Casin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | g Material:                       | > PVC             | Steel           |            | Stainless S | teel        |           |                    |  |  |
| mpii                                         | Depth Measurement and Elevations (from top of well casing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                   |                 |            |             |             |           |                    |  |  |
| esa                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Top of Casing ElevationFeet       |                   |                 |            |             |             |           |                    |  |  |
| ī                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Total Well Depth 40.84 Feet 5/92) |                   |                 |            |             |             |           |                    |  |  |
| an                                           | Static water level measurement before purging (Start Depth) 38.58 Feet Static water level measurement at time of sampling (Final Depth) 38.58 Feet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                   |                 |            |             |             |           |                    |  |  |
| KIOL                                         | 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | alic water lev                    |                   | Level Elevation |            |             |             |           | Feet               |  |  |
|                                              | Purge Me                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | thod B)                           | wood Rung         | Lovoi Liovaii   | JI, 2010   | ro r arging | Pump ID     | BPC-1     |                    |  |  |
| Des                                          | Date Pu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | rged                              | 515 121           |                 |            | Wa          | ter Column  |           | Feet               |  |  |
| ē                                            | Time Pu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | rged ද්                           | 35 - 853          |                 |            | One Cas     | ing Volume_ | 1.35      | Gallons            |  |  |
|                                              | Pump I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rate                              | 6.2               | GPM/            | LPM        | Volu        | me Purged_  | 4.2       | Gallons            |  |  |
| 4                                            | Date Sampled 5/5/2\ Field Parameter Measurements of Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                   |                 |            |             |             |           |                    |  |  |
|                                              | Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | e Sampled                         | 855               |                 | рН         | 7.4         | (units)     | D.O       | <b>7</b> ⋅8 (mg/l) |  |  |
|                                              | Samp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Spec.                             | Cond.             | 740             | (μmhos/cm) | Turbidity   | 0 · 3 (NTU) |           |                    |  |  |
| Data                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Temp. Ob                          | served            | 10.0            | (°C)       | Eh          | (mV)        |           |                    |  |  |
|                                              | Analyzed by CSP Temp. Corrected 10.1 (°C) Other_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |                   |                 |            |             |             | _ NA      |                    |  |  |
| Field Sampling                               | Field Measurements Temp. Corrected:  Sample for Soluble Metals Filtered in Field:  Temperature Correction Factor: +0.1 °C  Weather Conditions During Sampling: 43°f Sunny will Elling In put  Sample Description:  Observations:  MA  **Gulling**  **Gulling |                                   |                   |                 |            |             |             |           |                    |  |  |
|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | pH                                | Specifc Conducta  | nce I Tem       | p (°C)     | D.O.        | Turbidity   | Eh        | Volume Purged      |  |  |
|                                              | Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (units)                           | (µmhos/cm)        |                 | erved)     | (mg/l)      | (NTU)       | (mV)      | (cumulative gal)   |  |  |
| est                                          | 841                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7.4                               | 740               | 10.             | 0          | 7.8         | 6.5         | 180       | 1.4                |  |  |
| uo                                           | 847                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7.4                               | 740               | 10.             | O          | 7,8         | 0.5         | 179       | 2.8                |  |  |
| Stabilization Test                           | 853                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7.4                               | 740               | (0,             | ь          | 7,8         | 0.3         | 177       | 4.2                |  |  |
| abil                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |                   |                 |            |             |             |           |                    |  |  |
| Ø.                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |                   |                 | (M)        |             |             |           |                    |  |  |
| W.V.                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   |                   |                 |            | \$15/21     |             |           |                    |  |  |
| S                                            | amples chilled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | immediately a                     | after collection: | Yes             | Oth        | er          |             |           |                    |  |  |
| orm                                          | Revised: 01/25/2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 021                               |                   |                 |            |             |             |           |                    |  |  |
| lam                                          | ne/Affiliation of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sampler(s):                       | Chris Pelosi      |                 | Pace       | Analyt      | ical        |           |                    |  |  |
|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                   | PAMA              | i               |            | 1           |             |           |                    |  |  |
| L                                            | ead Technicia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | n Signature: _                    | 10110             | n               |            |             | Date:       | 5/5/      | 71                 |  |  |



| 4.00 |                                                                                                                                                                                                                                                                                                                                                                                                                                 | ng Point ID _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                            | Key# 210(                                                     | Spring 20                                                               |                                  | abeled Pr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |  |  |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|--|
| 20   |                                                                                                                                                                                                                                                                                                                                                                                                                                 | g Material:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ∇ PVC                                                                                                      |                                                               | Stainless St                                                            |                                  | • Ц                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Trot Esonod      |  |  |
|      | Depth Measurement and Elevations (from top of well casing)                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            |                                                               |                                                                         |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |  |  |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                 | Static water leads the state of | epth Measurement a ser level measurement at time static Water Level with Bladder Property 13/21 5-1030 7.0 | Top of Casing<br>Total '<br>fore purging (S<br>of sampling (F | g Elevation Well Depth tart Depth) inal Depth) ore Purging Wat One Casi | 148.5<br>36.4<br>36.4<br>Pump ID | A<br>55<br>11<br>11<br>12<br>17<br>17<br>18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |  |  |
|      | Date Sampled 5/3/21  Field Parameter Measurements of Sample  pH 7.6 (units)  D.O 9-8 (mg/ Sampling Equip. PMP + FITTY  Meter ID MPS-8 TM-5  Analyzed by R63  Field Measurements Temp. Corrected:  Sample for Soluble Metals Filtered in Field:  Field Parameter Measurements of Sample  pH 7.6 (units)  D.O 9-8 (mg/ (µmhos/cm)  Turbidity 1.9 (NTO  Temp. Observed 10.0 (°C)  Eh 277 (mV)  Temp. Corrected 10.3 (°C)  Other MA |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            |                                                               |                                                                         |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |  |  |
|      | Temperature Correction Factor: +0.3 °C  Weather Conditions During Sampling: 54 5 mmy, NO.3 mf H  Sample Description: access to see                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            |                                                               |                                                                         |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | •                |  |  |
| Y    |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Specifc Conductance                                                                                        |                                                               |                                                                         | Turbidity<br>(NTU)               | A CONTRACTOR OF THE PARTY OF TH | Volume Purged    |  |  |
| 1    | Time                                                                                                                                                                                                                                                                                                                                                                                                                            | pH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                            |                                                               | (mg/l)                                                                  | (IVIII)                          | (mV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |  |  |
|      | Time                                                                                                                                                                                                                                                                                                                                                                                                                            | (units)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (μmhos/cm)                                                                                                 | (observed)                                                    | TATE OF                                                                 |                                  | 7/2/17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |  |  |
|      | 1020                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                            | (observed)                                                    | 9.9                                                                     | NA                               | 271                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (cumulative gal) |  |  |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                 | (units)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (μmhos/cm)                                                                                                 | 10.0                                                          | 9.9                                                                     |                                  | 271                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |  |  |
|      | 1020                                                                                                                                                                                                                                                                                                                                                                                                                            | (units)<br>7.5<br>7.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (μmhos/cm)<br>570<br>570                                                                                   | 10.0                                                          | 9.9                                                                     | NA                               | 271<br>272                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | · 2.0            |  |  |
| Sam  | 1020<br>1025<br>1030                                                                                                                                                                                                                                                                                                                                                                                                            | (units) 7.5 7.6 7.6 immediately                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (μmhos/cm) 570 570 570                                                                                     | 10.0                                                          | 9.9<br>9.8<br>9.8<br>313/21                                             | NA                               | 271<br>272                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ` Z.0            |  |  |



| 5          | Client <u>χ</u> ι                                                                                                                                   | el Energy      |                                                                                                    | Projec                            | ct Shurco Yes                          | ids,    | Spring 20   | Projec      | et No. 21 | -0454 8          |  |  |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|---------|-------------|-------------|-----------|------------------|--|--|
| mioninadon | Monitorin                                                                                                                                           | g Point ID     | P-132                                                                                              |                                   |                                        |         |             | La          | beled 2   | 132              |  |  |
|            | Inside                                                                                                                                              | Diameter _     | 2                                                                                                  | (inches)                          | Key #                                  | 2106    | 2           | K Locked    | d 🗌       | Not Locked       |  |  |
| ,          | Casin                                                                                                                                               | g Material:    | X PVC                                                                                              |                                   | Steel                                  |         | Stainless S | teel        |           |                  |  |  |
|            | Depth Measurement and Elevations (from top of well casing)                                                                                          |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            | Top of Casing Elevation Feet                                                                                                                        |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
| ١          | Total Well Depth 3(e S) Feet                                                                                                                        |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
| 1          | Static water level measurement before purging (Start Depth) 30.55 Feet                                                                              |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            | Sta                                                                                                                                                 | atic water lev | el measuren                                                                                        |                                   |                                        | -       |             |             |           | Feet             |  |  |
|            | Durge Me                                                                                                                                            | ibod 1         |                                                                                                    |                                   | el Elevation                           | Beto    | re Purging  |             | BPC-1     | Feet             |  |  |
|            | Date Pur                                                                                                                                            |                | ted Bladd                                                                                          | of finis                          | 2                                      |         | \\/s        | ater Column |           | Feet             |  |  |
|            |                                                                                                                                                     |                | 15 - 1301                                                                                          |                                   | _                                      |         |             | ing Volume  |           | Gallons          |  |  |
| 1          | Pump F                                                                                                                                              |                | 0.2                                                                                                |                                   | GPM / LE                               | PM      |             | ime Purged  |           | Gallons          |  |  |
|            |                                                                                                                                                     |                |                                                                                                    | 100                               | - <u></u>                              | a Lal D |             | - Manager   |           | Cample           |  |  |
| ľ          | Date Sampled 5/3/2,                                                                                                                                 |                |                                                                                                    |                                   | Field Parameter Measurements of Sample |         |             |             |           |                  |  |  |
| ۱          |                                                                                                                                                     | e Sampled _    |                                                                                                    | pH 7 · 4 (units) D.O 8 · 8 (mg/l) |                                        |         |             |             |           |                  |  |  |
| Į          | Samp                                                                                                                                                |                | Spec. Cond. $670$ ( $\mu mhos/cm$ ) Turbidity $3.0$ (NTU) Temp. Observed $10.7$ (°C) Eh $278$ (mV) |                                   |                                        |         |             |             |           |                  |  |  |
|            |                                                                                                                                                     |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
| ?          |                                                                                                                                                     |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
| Sumbung    | Field Measurements Temp. Corrected:    X Yes                                                                                                        |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            | Sample for Soluble Metals Filtered in Field: X Yes No No No Soluble No Soluble Metals Filtered in Field: Yes No |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            | Weather Conditions During Sampling: 64F, Sunny, NOISMPH.                                                                                            |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            | Sample Description: clear no o des                                                                                                                  |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            | Observations: neve                                                                                                                                  |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            |                                                                                                                                                     |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            | +1                                                                                                                                                  | рН             | Specifc Cor                                                                                        | nductance                         | Temp (                                 | (°C)    | D.O.        | Turbidity   | Eh        | Volume Purge     |  |  |
| ı          | Time                                                                                                                                                | (units)        | ,<br>(μmhos                                                                                        |                                   | (observ                                | ed)     | (mg/l)      | (NTU)       | (mV)      | (cumulative gal) |  |  |
|            | 1250                                                                                                                                                | 7.4            | 680                                                                                                | )                                 | 10.                                    | -       | 8.8         | MA          | 274       | 1.0              |  |  |
|            | 1255                                                                                                                                                | 7.4            | 680                                                                                                |                                   | 10.                                    | 7       | 8.8         | NA          | 276       | 2.0              |  |  |
|            | 1300                                                                                                                                                | 7.4            | 47                                                                                                 | 0                                 | 10.                                    | 7       | 8.8         | NA          | 278       | 3.0              |  |  |
|            |                                                                                                                                                     |                |                                                                                                    |                                   |                                        |         | 201         | 1           |           |                  |  |  |
| 3          |                                                                                                                                                     |                |                                                                                                    |                                   |                                        |         | 5/3/21      |             |           |                  |  |  |
| 3          |                                                                                                                                                     |                |                                                                                                    |                                   |                                        |         |             |             |           |                  |  |  |
|            |                                                                                                                                                     | day and the    |                                                                                                    |                                   |                                        | 7       |             |             | 4         |                  |  |  |
|            | mples chilled<br>Revised: 01/25/20                                                                                                                  |                | after collection                                                                                   | L.                                | Yes                                    | Oth     | ner         |             |           |                  |  |  |
|            |                                                                                                                                                     |                | 01 1                                                                                               |                                   |                                        | 0       |             | 1 1 1       |           |                  |  |  |
| ime        | e/Affiliation of                                                                                                                                    | Sampler(s):    | Riky Je                                                                                            | nce bscin                         |                                        | ľ       | rce Ave     | dytical     |           |                  |  |  |
| 16         | ad Technicia                                                                                                                                        | n Signature:   | 70.                                                                                                | Cha                               |                                        |         |             | Date        | 5/3/      | 21               |  |  |
|            |                                                                                                                                                     | o.gataro       | pring                                                                                              | 70                                |                                        |         |             |             | 0121      |                  |  |  |



| 5                                                                                                                                                                                                                                                                                                                                                       | Client Xc                                                                                                                                           | el Energy    | F                 | Project Sterco Pond                            | ls, Spring 20 | 21 Proje   | ct No. 21- | -04548              |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|------------------------------------------------|---------------|------------|------------|---------------------|--|--|--|
| riesampinig information                                                                                                                                                                                                                                                                                                                                 | Monitorin                                                                                                                                           | g Point ID   | P-150             |                                                | C             | La         | abeled 80  | 14320               |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Inside                                                                                                                                              | Diameter     | Z (inc            | hes) Key# 2                                    | iole          | Locke      | ed 🔲       | Not Locked          |  |  |  |
| ,                                                                                                                                                                                                                                                                                                                                                       | Casin                                                                                                                                               | g Material:  | ▼ PVC             | Steel                                          | Stainless S   | teel       |            |                     |  |  |  |
| ı                                                                                                                                                                                                                                                                                                                                                       | Depth Measurement and Elevations (from top of well casing)                                                                                          |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Top of Casing Elevation Feet                                                                                                                        |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Total Well Depth 3, Lete Feet                                                                                                                       |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Static water level measurement before purging (Start Depth) 34.53 Feet  Static water level measurement at time of sampling (Final Depth) 34.53 Feet |              |                   |                                                |               |            |            |                     |  |  |  |
| Static water level measurement before purging (Start Depth) 34.53 Feet  Static water level measurement at time of sampling (Final Depth) 34.53 Feet  Static Water Level Elevation Before Purging MA Feet  Purge Method Dedicated Bladder Rmp Pump ID BPC-1  Date Purged 5/3/21 Water Column 7.13 Fee  Time Purged 0855 - 0904 One Casing Volume 6.35 Ga |                                                                                                                                                     |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                     |              |                   |                                                |               |            |            |                     |  |  |  |
| Ŋ                                                                                                                                                                                                                                                                                                                                                       | Time Pur                                                                                                                                            | rged 0       | 855 - 0904        |                                                | One Cas       | ing Volume | 6.3        | 5 Gallons           |  |  |  |
| ١                                                                                                                                                                                                                                                                                                                                                       | Pump F                                                                                                                                              | Rate         | 0.15              | (GPM/LP                                        | M Volu        | me Purged  | 1.35       | Gallons             |  |  |  |
| Date Sampled 5/3/21 Field Parameter Measurements of Sampled 5/3/21                                                                                                                                                                                                                                                                                      |                                                                                                                                                     |              |                   |                                                |               |            |            | Sample              |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                     | e Sampled    |                   |                                                | pH 7.7        | (units)    | D.O        | <u> う。</u> と (mg/l) |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Samp                                                                                                                                                | ling Equip.  | Pump              | Spec. Cond. 450 (µmhos/cm) Turbidity 2.4 (NTU) |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                     | Meter ID _   | MPS-8 TM-5        | Temp. Observed 10.0 (°C) Eh 245 (mV)           |               |            |            |                     |  |  |  |
| ,                                                                                                                                                                                                                                                                                                                                                       | Analyzed by R65 Temp. Corrected 10 3 (°C) Other MA                                                                                                  |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Field Measurements Temp. Corrected: X Yes No NA                                                                                                     |              |                   |                                                |               |            |            |                     |  |  |  |
| 6                                                                                                                                                                                                                                                                                                                                                       | Sample for Soluble Metals Filtered in Field:   Yes  No NA                                                                                           |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Temperature Correction Factor: +o.3 °C                                                                                                              |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Weather Conditions During Sampling: 50°, Sunny, NEIBMPH Sample Description: clear no o der                                                          |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Observations: * Diplicated "GW-CCR" (BA) * RINSE P3 Collected @ 0920                                                                                |              |                   |                                                |               |            |            |                     |  |  |  |
| l                                                                                                                                                                                                                                                                                                                                                       | L> "P3" DUPLICATE                                                                                                                                   |              |                   |                                                |               |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | Times                                                                                                                                               | рН           | Specifc Conducta  | ance Temp (°C                                  | D.O.          | Turbidity  | Eh         | Volume Purged       |  |  |  |
| ı                                                                                                                                                                                                                                                                                                                                                       | Time                                                                                                                                                | (units)      | (μmhos/cm)        | (observed                                      | i) (mg/l)     | (NTU)      | (mV)       | (cumulative gal)    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | 0858                                                                                                                                                | 7.7          | 450               | 9.9                                            | 9.6           | MA         | 242        | 0.45                |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         | 0901                                                                                                                                                | 7.7          | 450               | 7.9                                            | 9.7           | NA         | 243        | 0.90                |  |  |  |
| ۱                                                                                                                                                                                                                                                                                                                                                       | 0904                                                                                                                                                | 7.7          | 450               | 10.0                                           | 9.8           | NA         | 245        | 1-35                |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                     |              |                   | - 1                                            | 203           |            |            |                     |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                     |              |                   | ×                                              | 13/21         |            |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                     |              |                   |                                                |               | 1          |            |                     |  |  |  |
| Sai                                                                                                                                                                                                                                                                                                                                                     | mples chilled                                                                                                                                       | immediately  | after collection: | ➤ Yes                                          | Other         |            |            |                     |  |  |  |
| m F                                                                                                                                                                                                                                                                                                                                                     | Revised: 01/25/20                                                                                                                                   | 21           |                   |                                                |               |            |            |                     |  |  |  |
| me                                                                                                                                                                                                                                                                                                                                                      | /Affiliation of                                                                                                                                     | Sampler(s):  | Riley Jacob       | San                                            | Pace Ana      | lytical    |            |                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                     |              | -1                |                                                |               |            | 1,         |                     |  |  |  |
| Le                                                                                                                                                                                                                                                                                                                                                      | ad Technicia                                                                                                                                        | n Signature: | Killy of          | ~                                              |               | Date:      | 5/3/2      | (                   |  |  |  |



| uo                                                                                                                                                                                                                                                                                                                                                    | Client Xce                                                                                                    | el Energy    | 1                                                                                                              | Project  | Surcolands,                                    | Spring 202    | Projec      | t No. 21-  | 04548            |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------|---------------|-------------|------------|------------------|--|--|--|--|
| Presampling Information                                                                                                                                                                                                                                                                                                                               | Monitoring                                                                                                    | g Point ID   | 9-151                                                                                                          |          |                                                | 3             |             | peled 800  |                  |  |  |  |  |
| nfor                                                                                                                                                                                                                                                                                                                                                  | Inside                                                                                                        | Diameter     | 2                                                                                                              | (inches) | Key# 210(                                      | 2             | K Locked    | 1 🗆 1      | Not Locked       |  |  |  |  |
| ng l                                                                                                                                                                                                                                                                                                                                                  | Casing                                                                                                        | Material:    | X PVC                                                                                                          | ☐ Ste    | el ,                                           | Stainless Ste | eel         |            |                  |  |  |  |  |
| ildm                                                                                                                                                                                                                                                                                                                                                  | Depth Measurement and Elevations (from top of well casing)                                                    |              |                                                                                                                |          |                                                |               |             |            |                  |  |  |  |  |
| esa                                                                                                                                                                                                                                                                                                                                                   | Top of Casing Elevation Feet                                                                                  |              |                                                                                                                |          |                                                |               |             |            |                  |  |  |  |  |
| d P                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               | Ctatio wa    | Total Well Depth ZO 1(e Feet 3/3/21 tic water level measurement before purging (Start Depth) 13.50 Feet 3/3/21 |          |                                                |               |             |            |                  |  |  |  |  |
| Static water level measurement before purging (Start Depth)  Static water level measurement at time of sampling (Final Depth)  Static Water Level Elevation Before Purging  Purge Method  Purge Method  Date Purged  Static Water Level Elevation Before Purging  WA  Pump ID GP-7  Water Column  Time Purged  15.25 - 15.49  One Casing Volume  1.09 |                                                                                                               |              |                                                                                                                |          |                                                |               |             |            | Feet             |  |  |  |  |
| ptio                                                                                                                                                                                                                                                                                                                                                  | Static Water level measurement at time of sampling (1 mai Depth)  Static Water Level Elevation Before Purging |              |                                                                                                                |          |                                                |               |             |            | Feet             |  |  |  |  |
| scri                                                                                                                                                                                                                                                                                                                                                  | Purge Met                                                                                                     | hod pedic    |                                                                                                                | ^        | ind Fos Pump                                   |               | Pump ID     | GP-2       |                  |  |  |  |  |
| Des                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               | ged 5/6      |                                                                                                                |          |                                                |               | er Column _ | -          | Feet             |  |  |  |  |
| Well                                                                                                                                                                                                                                                                                                                                                  |                                                                                                               |              | 5-1549                                                                                                         |          | 3                                              |               | ng Volume   |            | Gallons          |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Pump R                                                                                                        | tate         | 0.25                                                                                                           |          | GPM / LPM                                      | Volun         | ne Purged _ | 6.0        | Gallons          |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Date                                                                                                          | Sampled      | 51414                                                                                                          |          | Field Parameter Measurements of Sample         |               |             |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Time                                                                                                          | Sampled      | 1550                                                                                                           | _        | рН                                             | 7.7           | (units)     | D.O_       | 9.4 (mg/l)       |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Sampli                                                                                                        | ing Equip.   |                                                                                                                | _        | Spec. Cond. 640 (µmhos/cm) Turbidity 2.6 (NTU) |               |             |            |                  |  |  |  |  |
| Data                                                                                                                                                                                                                                                                                                                                                  | Meter ID MPS-8 TM-5 Temp. Observed 11.4 (°C)                                                                  |              |                                                                                                                |          |                                                |               |             |            | Eh 23 (mV)       |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Analyzed by Rbs Temp. Corrected 11.7 (°C) Other M                                                             |              |                                                                                                                |          |                                                |               |             |            |                  |  |  |  |  |
| Sampling                                                                                                                                                                                                                                                                                                                                              | Field Measurements Temp. Corrected: X Yes No NA                                                               |              |                                                                                                                |          |                                                |               |             |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Sample for Soluble Metals Filtered in Field: Yes No X NA  Temperature Correction Factor: +o.3 °C              |              |                                                                                                                |          |                                                |               |             |            |                  |  |  |  |  |
| Field                                                                                                                                                                                                                                                                                                                                                 | Weather Co                                                                                                    |              |                                                                                                                |          | Smri                                           | NIW O I       | 5MPH        | ,          |                  |  |  |  |  |
| ill.                                                                                                                                                                                                                                                                                                                                                  |                                                                                                               |              |                                                                                                                | ,        | , tun cu                                       |               |             |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               |              |                                                                                                                |          | ider Prup to                                   |               |             | 1 fos Pung | - titoly         |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               | reason       |                                                                                                                |          |                                                |               |             |            | this deared      |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Time                                                                                                          | рН           | Specifc Cor                                                                                                    |          | Temp (°C)                                      | D.O.          | Turbidity   | Eh         | Volume Purged    |  |  |  |  |
| 77                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               | (units)      | (µmhos                                                                                                         |          | (observed)                                     | (mg/l)        | (NTU)       | (mV)       | (cumulative gal) |  |  |  |  |
| Test                                                                                                                                                                                                                                                                                                                                                  | 1533                                                                                                          | 7,7          | 65                                                                                                             | -        | 11.4                                           | 9.5           | MA          | 236        | 237 2            |  |  |  |  |
| Stabilization                                                                                                                                                                                                                                                                                                                                         | 1541                                                                                                          | 7,7          | 65                                                                                                             |          | 11.4                                           | 9.5           | MA          |            | 1                |  |  |  |  |
| iliza                                                                                                                                                                                                                                                                                                                                                 | 1549                                                                                                          | 7.7          | 64                                                                                                             | 0        | 10.4                                           | 7.9           | MA          | 236        | Q                |  |  |  |  |
| Stab                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                             |              |                                                                                                                | KAJ SID  | 72/                                            |               |             |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               |              |                                                                                                                |          | 19                                             |               |             |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               |              |                                                                                                                |          |                                                |               |             |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               |              | after collection                                                                                               |          | Yes Ott                                        | ner           |             |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | Revised: 01/25/20                                                                                             |              | 01 1                                                                                                           |          |                                                |               |             |            |                  |  |  |  |  |
| Nan                                                                                                                                                                                                                                                                                                                                                   | ne/Affiliation of                                                                                             | Sampler(s):  | Kiley Je                                                                                                       | ucebscin | R                                              | nce Anal      | ytical      |            |                  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                       | ead Technicia                                                                                                 | a Signatura: | 20.                                                                                                            | 0        |                                                |               | Date:       | 5/4/       | U                |  |  |  |  |
| L                                                                                                                                                                                                                                                                                                                                                     | eau recillicial                                                                                               | i Signature. | - Mily                                                                                                         | Ju-      |                                                |               | Date.       | -141       | -                |  |  |  |  |



| uo                                           | Client Xu          | el                  | Pro                                       | ojectSkuro 3/pon     | ds Resar       | mph Spring<br>Proje | 2021<br>ct No. 2 | 104716                       |
|----------------------------------------------|--------------------|---------------------|-------------------------------------------|----------------------|----------------|---------------------|------------------|------------------------------|
| mat                                          | Monitoring         | Point ID_           | P-151                                     |                      |                | La                  | abeled 86        | 6315                         |
| nfor                                         | Inside             | Diameter _          | 2 (inches                                 | s) Key# 210 k        | )              | Locke               | d 🗌              | Not Locked                   |
| Well Description and Presampling Information | Casing             | Material:           | X PVC                                     | Steel                | Stainless S    | teel                |                  |                              |
| ildu                                         |                    | D                   | epth Measureme                            | nt and Elevation     | s (from t      | op of well          | casing)          |                              |
| esal                                         |                    |                     |                                           | Top of Casing        |                |                     | 1.6              | Feet                         |
| d Pr                                         |                    | 01-11               | a Pagnata at main as                      |                      | Well Depth     |                     |                  | Feet                         |
| n an                                         | Sta                |                     | er level measuremer<br>rel measurement at |                      |                | -                   |                  | Feet<br>Feet                 |
| ptio                                         | Ota                | tic water icv       |                                           | evel Elevation Befo  |                |                     |                  | Feet                         |
| scri                                         | Purge Meth         | nod dedi            |                                           | de pump              |                |                     | GPC-1            |                              |
| De                                           | Date Purg          |                     |                                           |                      |                | ter Column          |                  | Feet                         |
| Well                                         |                    |                     | 0954                                      |                      |                | ing Volume          |                  | Gallons                      |
|                                              | Pump R             | ate <u>()</u> .     | 15                                        | GPM/LPM              | Volu           | me Purged           | 3.66             | Gallons                      |
|                                              |                    | Sampled V           |                                           | Field F              | aramete        | r Measure           | ments of         | Sample                       |
| {                                            | Time               | Sampled             | 450 1005                                  | pH                   | 7.2            | (units)             | D.O              | 10.9 (mg/l)                  |
|                                              |                    | ng Equip            |                                           | Spec. Cond.          |                | _(μmhos/cm)         | Turbidity        |                              |
| Data                                         |                    | Charles of the Con- | PS-8 TM-5                                 | Temp. Observed       |                | _(°C)               |                  | 247 (mV)                     |
|                                              |                    | alyzed by <u></u>   |                                           | Temp. Corrected      | -              | _(°C)               | Other            | NV                           |
| Field Sampling                               |                    |                     | ments Temp. Correct                       | V                    | Yes<br>Yes     | ☐ No<br>図 No        | □ NA             |                              |
| Sal                                          | Sample             |                     | Metals Filtered in Fature Correction Fa   |                      | res            | ĽΔJ INO             | □ INA            |                              |
| -ielo                                        | Weather Co         |                     | ring Sampling: <u>8</u> 6                 |                      | SW WIN         | nd 2 4              | mph              |                              |
|                                              | Sample De          | scription: _(       | clear + odor                              | us'                  |                |                     |                  |                              |
|                                              | Obse               | ervations: _        | NA                                        |                      |                |                     |                  |                              |
|                                              |                    |                     |                                           |                      |                |                     |                  |                              |
|                                              | Time               | pH<br>(units)       | Specifc Conductance (µmhos/cm)            | Temp (°C) (observed) | D.O.<br>(mg/l) | Turbidity<br>(NTU)  | Eh<br>(mV)       | Volume Purge (cumulative gal |
| est                                          | 0938               | 7.2                 | 310                                       | 12.5                 | 11.0           | NA                  | 244              | 1.20                         |
| 146 5                                        | ×0940              | 7.2                 | 300                                       | 12.5                 | 10.9           | NA                  | 247              | 2.40                         |
| 54 1                                         | 100945             | 7.2                 | 300                                       | 12.5                 | 10.9           | NA                  | 247              | 3.60                         |
| Stabilization Test                           | 4                  |                     |                                           | KAT 6/10/            | 7.1            | 1                   |                  |                              |
| ठ                                            |                    | , I 1               |                                           | - 07 107             | 9              |                     |                  |                              |
|                                              |                    |                     |                                           |                      |                |                     |                  |                              |
| Sa                                           | mples chilled in   | nmediately a        | fter collection:                          | X Yes Oth            | er             |                     |                  |                              |
|                                              | Revised 01/25/202  |                     |                                           |                      |                |                     |                  |                              |
| Name                                         | e/Affiliation of S | ampler(s):          | Riley Jacobso                             | n + Kend             | all Joh        | nson                |                  |                              |
|                                              |                    |                     |                                           |                      |                |                     | Liva             | 17.                          |
| Le                                           | ead Technician     | Signature: _        | adas).                                    | $\sim$               |                | Date:               | 6110             | 101                          |



| rresampling information | ALC 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | herco.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             | reite intas                           | Spring 2               | 21 10,00              | t No.              |                                |  |  |  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------|------------------------|-----------------------|--------------------|--------------------------------|--|--|--|
|                         | Monitoring Poin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tID 7-152 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             |                                       |                        | Lat                   | peled P            | 152A                           |  |  |  |
|                         | Inside Diame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | eter 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (inches) K                  | ey# 2101                              | 2                      | Locked                |                    | Not Locked                     |  |  |  |
| ,                       | Casing Mate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | rial: 🔀 PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ☐ Steel                     |                                       | Stainless St           | eel                   |                    |                                |  |  |  |
|                         | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Depth Meas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | surement an                 | d Elevation                           | s (from to             | op of well            | casing)            | *                              |  |  |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             | Top of Casing                         | Elevation              | NA                    |                    | _Feet                          |  |  |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | na a le disco               |                                       |                        | 42.18                 |                    |                                |  |  |  |
|                         | 10000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | c water level mea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                             |                                       |                        |                       | .21                | Feet<br>Feet                   |  |  |  |
|                         | Static wa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ter level measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Water Level E               |                                       |                        |                       | -1                 | Feet                           |  |  |  |
| Ì                       | Purae Method i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Dedicated Bladde                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             | icvation belon                        | c r diging             | Pump ID               | BPC-1              | _, σσι                         |  |  |  |
|                         | Date Purged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10114                       |                                       | Wat                    | er Column             | ALC: MITH          | Feet                           |  |  |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1215 - 1245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             |                                       | One Casi               | ng Volume _           | 1.61               | Gallons                        |  |  |  |
| ۱                       | Pump Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | W-15"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.2                         | PMy LPM                               | Volum                  | me Purged _           | Ce                 | Gallons                        |  |  |  |
| 1                       | Date Samp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | oled 5/4/11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                             | Field P                               | arameter               | Measure               | ments of           | Sample                         |  |  |  |
|                         | Time Samp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                             | рН                                    | 7.9                    | (units)               | D.C                | 9.3 (mg/l)                     |  |  |  |
|                         | Sampling Eq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | uip. Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | =                           | Spec. Cond.                           | 370                    | (µmhos/cm)            | Turbidity          | (NTU)                          |  |  |  |
|                         | Mete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | rID MPS-7 T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>м-</u> ų Tem             | Temp. Observed 9.5 (°C) Eh / 5 4 (mV) |                        |                       |                    |                                |  |  |  |
|                         | Analyzed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | d by CSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tem                         | Temp. Corrected 9.6 (°C) Other NA     |                        |                       |                    |                                |  |  |  |
| Fred Sampung            | T<br>Weather Conditio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ection Factor: _<br>ng:54°F | +0.1 °C                               |                        |                       | M NA               |                                |  |  |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tion: Clum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | no o der                    |                                       |                        |                       |                    |                                |  |  |  |
|                         | Observation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                             |                                       |                        |                       |                    |                                |  |  |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                           |                                       |                        |                       |                    | • •                            |  |  |  |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | * Radium Collect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                             |                                       |                        |                       |                    |                                |  |  |  |
| 111                     | Time ph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H Specifc Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | onductance                  | Temp (°C) (observed)                  | D.O.<br>(mg/l)         | Turbidity<br>(NTU)    | Eh<br>(mV)         | Volume Purged (cumulative gal) |  |  |  |
| 100                     | l n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H Specifc Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | onductance<br>os/cm)        |                                       |                        |                       |                    |                                |  |  |  |
| JIII I COL              | Time ph                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | H Specifc Co<br>(μmho                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | onductance<br>os/cm)        | (observed)                            | (mg/l)                 | (NTU)                 | (mV)               | (cumulative gal)               |  |  |  |
| duon rest               | Time ph (uni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | H Specifc Co (μmho 9 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | onductance<br>os/cm)        | (observed)                            | (mg/l)<br>1. 3<br>9. 3 | (NTU)                 | (mV)<br>156        | ` 2                            |  |  |  |
| Dilization lest         | Time ph (uni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | H Specifc Co (μmho 9 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | onductance<br>os/cm)        | (observed)<br>9.5<br>9.5              | (mg/l)<br>1. 3         | (NTU)<br>/. 0<br>/. 0 | (mV)<br>156<br>155 | (cumulative gal)               |  |  |  |
| Stabilization rest      | Time ph (uni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | H Specifc Co (μmho 9 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | onductance<br>os/cm)        | (observed)<br>9,5<br>9,5<br>9,5       | (mg/l)<br>1. 3<br>9. 3 | (NTU)<br>/. 0<br>/. 0 | (mV)<br>156<br>155 | (cumulative gal)               |  |  |  |
| Stabilization rest      | Time ph (uni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | H Specifc Co (μmho 9 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | onductance<br>os/cm)        | (observed)<br>9.5<br>9.5              | (mg/l)<br>1. 3<br>9. 3 | (NTU)<br>/. 0<br>/. 0 | (mV)<br>156<br>155 | (cumulative gal)               |  |  |  |
|                         | Time ph (uni 1225 7.1235 7.1245 7.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fig. 1. Specific Co (μmho (μm | onductance<br>os/cm)        | (observed) 9,5 9,5 9,5                | (mg/l)<br>1.3<br>9.3   | (NTU)<br>/. 0<br>/. 0 | (mV)<br>156<br>155 | (cumulative gal)               |  |  |  |
| s                       | Time ph (uni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Fig. 1. Specific Co (μmho (μm | onductance<br>os/cm)        | (observed) 9,5 9,5 9,5                | (mg/l)<br>1.3<br>9.3   | (NTU)<br>/. 0<br>/. 0 | (mV)<br>156<br>155 | (cumulative gal)               |  |  |  |
| orn                     | Time ph (uni 1225 7.9 1235 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 1245 7.9 | H Specifc Co (μmho 9 3.7 9 3.7 0 3.7 0 Iiiately after collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | onductance os/cm)           | (observed) 9.5 9.5 9.5 9.5 Yes Oth    | (mg/l) 1.3 9.3 9.3     | (NTU) /. 0 /. 0 /. 0  | (mV)<br>156<br>155 | (cumulative gal)               |  |  |  |
| S                       | Time ph (uni 1225 7.9 1235 7.9 1245 7.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | H Specifc Co (μmho 9 3.7 9 3.7 0 3.7 0 Iiiately after collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | onductance os/cm)           | (observed) 9.5 9.5 9.5 9.5 Yes Oth    | (mg/l)<br>1.3<br>9.3   | (NTU) /. 0 /. 0 /. 0  | (mV)<br>156<br>155 | (cumulative gal)               |  |  |  |



| 5                        | Client X          | el Energy                  | Projec                                                                                  | t Shire lends                      | Spring 20      | 21 Project                          | t No. 21-                 | -04548                         |  |  |  |  |  |
|--------------------------|-------------------|----------------------------|-----------------------------------------------------------------------------------------|------------------------------------|----------------|-------------------------------------|---------------------------|--------------------------------|--|--|--|--|--|
| riesampling illionnation | Monitorir         | ng Point ID _              | P-153                                                                                   |                                    |                | La                                  | beled 800                 | 314                            |  |  |  |  |  |
|                          | Inside            | Diameter_                  | (inches)                                                                                | Key# 210                           | Le             | K Locke                             | d 🗌                       | Not Locked 🤳                   |  |  |  |  |  |
| ,                        | Casin             | g Material:                | ▼ PVC  S                                                                                | teel                               | Stainless St   | teel                                |                           | 7                              |  |  |  |  |  |
|                          |                   | D                          | epth Measurement                                                                        | and Elevatio                       | ns (from to    | op of well                          | casing)                   |                                |  |  |  |  |  |
|                          |                   |                            |                                                                                         | Top of Casir                       | ng Elevation   | N                                   | 4                         | Feet                           |  |  |  |  |  |
|                          |                   |                            |                                                                                         |                                    | Well Depth     |                                     |                           | Feet                           |  |  |  |  |  |
|                          | 2.                |                            | er level measurement be                                                                 |                                    |                |                                     | -                         | Feet                           |  |  |  |  |  |
|                          | St                | atic water le              | vel measurement at time                                                                 |                                    |                |                                     |                           | Feet                           |  |  |  |  |  |
|                          | Puras Mo          | thad-                      | Static Water Leve<br>rted Bladder Pomp                                                  | el Elevation Ber                   | ore Purging    |                                     | BPL-1                     | Feet                           |  |  |  |  |  |
|                          |                   | rged                       |                                                                                         | -                                  | Wa             | ter Column                          |                           | Feet                           |  |  |  |  |  |
| Well Description and     |                   |                            | 115 - 1436                                                                              | -                                  |                | ng Volume                           |                           |                                |  |  |  |  |  |
| 1                        | Pump I            |                            | 0.2                                                                                     | GPM) LPM                           |                | me Purged                           |                           | Gallons                        |  |  |  |  |  |
|                          | Date              | e Sampled                  | r/2/2                                                                                   | Field I                            | Parameter      | Measure                             | ments of                  | Sample                         |  |  |  |  |  |
|                          |                   | e Sampled _<br>e Sampled _ |                                                                                         | 12-94000                           | 8.3            | (units)                             | Old Original Property and | 10.   (mg/l)                   |  |  |  |  |  |
|                          |                   | ling Equip                 |                                                                                         |                                    |                | (μmhos/cm)                          |                           |                                |  |  |  |  |  |
|                          | Camp              |                            |                                                                                         |                                    |                |                                     |                           |                                |  |  |  |  |  |
|                          | А                 | nalyzed by                 |                                                                                         | Temp. Corrected 10.7 (°C) Other MA |                |                                     |                           |                                |  |  |  |  |  |
| rieid Samphing           | Weather C         | Tempe<br>onditions Du      | e Metals Filtered in Field<br>erature Correction Factor<br>uring Sampling: <u>しみ</u> ・F | r: +0.3 °C                         |                | <ul><li>No</li><li>17 mph</li></ul> | ⊠ NA                      |                                |  |  |  |  |  |
|                          |                   |                            | clear no oder                                                                           | 0                                  |                |                                     |                           |                                |  |  |  |  |  |
|                          | Obs               | servations: _              | none                                                                                    |                                    |                |                                     |                           |                                |  |  |  |  |  |
|                          |                   |                            |                                                                                         |                                    |                |                                     |                           | - 1                            |  |  |  |  |  |
| Ì                        | Time              | pH<br>(units)              | Specifc Conductance (µmhos/cm)                                                          | Temp (°C)<br>(observed)            | D.O.<br>(mg/l) | Turbidity<br>(NTU)                  | Eh<br>(mV)                | Volume Purged (cumulative gal) |  |  |  |  |  |
| Š                        | 1420              | 8.3                        | 220                                                                                     | 10.3                               | 10.1           | M                                   | 256                       | 1.0                            |  |  |  |  |  |
| 5                        | 1425              | 8.3                        | 220                                                                                     | 10.3                               | 10.1           | MA                                  | 258                       | 2.0                            |  |  |  |  |  |
|                          | 1430              | 8.3                        | 770                                                                                     | 10.4                               | 10 . 1         | MA                                  | 759                       | 3.0                            |  |  |  |  |  |
| Stabilization rest       |                   |                            |                                                                                         |                                    |                |                                     |                           |                                |  |  |  |  |  |
| 5                        |                   |                            |                                                                                         |                                    | 5/3/21         |                                     |                           |                                |  |  |  |  |  |
| Ų                        |                   |                            |                                                                                         |                                    |                |                                     |                           |                                |  |  |  |  |  |
| s                        | amples chilled    | immediately                | after collection:                                                                       | Yes O                              | ther           |                                     |                           |                                |  |  |  |  |  |
| rm                       | Revised: 01/25/20 | 021                        |                                                                                         |                                    |                |                                     |                           |                                |  |  |  |  |  |
|                          |                   |                            | 0, 1                                                                                    |                                    |                |                                     |                           |                                |  |  |  |  |  |
| ım                       | e/Affiliation of  | Sampler(s):                | Kiley Jacobson                                                                          |                                    | ace Am         | lytical                             |                           |                                |  |  |  |  |  |
| m                        | e/Affiliation of  | Sampler(s):                | Riky Jacobson                                                                           |                                    | ace Ana        | /                                   | 5/3/21                    |                                |  |  |  |  |  |



| Presampling Information    | Monitoring Inside E Casing I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Diameter _                                                             | 7 (inches)  R PVC Ste                                                                                                        | Key# 210(                                           | e<br>Stainless St                                                          | K Locked                      | peleď <u>∨</u>                           | Not Locked                          |  |  |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------|-------------------------------|------------------------------------------|-------------------------------------|--|--|
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                        | epth Measurement a                                                                                                           | nd Elevation                                        | s (from to                                                                 | op of well                    | casing)                                  | .00                                 |  |  |
| weir Description and Fresa | Stati                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | c water lev                                                            | er level measurement bei<br>vel measurement at time<br>Static Water Level<br>coded Badder Pomp<br>5/3/2/<br>20 - 1359<br>6.2 | fore purging (S<br>of sampling (F<br>Elevation Befo | Well Depth<br>tart Depth)<br>inal Depth)<br>ore Purging<br>Wat<br>One Casi | 49.<br>34.<br>34.<br>Pump ID  | 53<br>23<br>23<br>BPC-1<br>15.30<br>2.49 |                                     |  |  |
| Cata                       | Time S<br>Samplin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Meter ID _                                                             | 1400<br>Pump + Fill story<br>MPS-8 TM-5 Te                                                                                   | pH<br>Spec. Cond.<br>mp. Observed                   | 7.8<br>540<br>9.8                                                          | (units)<br>(μmhos/cm)<br>(°C) | Turbidity<br>Eh                          | 4.4 (mg/l)<br>2.7 (NTU)<br>280 (mV) |  |  |
|                            | Field Measurements Temp. Corrected: Yes No NA  Sample for Soluble Metals Filtered in Field: Yes No NA  Tomporature Correction Factor: |                                                                        |                                                                                                                              |                                                     |                                                                            |                               |                                          |                                     |  |  |
| i leid campin              | Sample Weather Cor Sample Des                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | for Soluble<br>Tempe<br>nditions Du<br>scription: _e                   | e Metals Filtered in Field: rature Correction Factor: ring Sampling:                                                         | <u>+0.3</u> °C                                      | Yes                                                                        | ☐ No                          |                                          |                                     |  |  |
| admiss such                | Sample Weather Cor Sample Des Obse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | for Soluble Tempe nditions Du scription: _e rvations: _                | e Metals Filtered in Field: rature Correction Factor: uring Sampling: 65 F                                                   | Fo.3 °C<br>Sunny, N                                 | Yes  CARPE                                                                 | □ No -/ -/                    | NA Eh                                    | Volume Purged                       |  |  |
|                            | Sample Weather Cor Sample Des Obse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | for Soluble Tempe nditions Duscription: crvations: pH (units)          | Pe Metals Filtered in Field: rature Correction Factor: uring Sampling: 65 f  Lear 00 000  Specifc Conductance (μmhos/cm)     | Temp (°C) (observed)                                | P.O. (mg/l)                                                                | Turbidity (NTU)               | Eh (mV)                                  | (cumulative gal)                    |  |  |
|                            | Sample Weather Cor Sample Des Obse Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | for Soluble Tempe nditions Duscription: crvations: pH (units) 7-9      | Specific Conductance (µmhos/cm)                                                                                              | Temp (°C) (observed)                                | D.O. (mg/l)                                                                | □ No -/ -/                    | Eh (mV)                                  | (cumulative gal)                    |  |  |
|                            | Sample Weather Cor Sample Des Obse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | for Soluble Tempe nditions Duscription: crvations: pH (units)          | Pe Metals Filtered in Field: rature Correction Factor: uring Sampling: 65 f  Lear 00 000  Specifc Conductance (μmhos/cm)     | Temp (°C) (observed)                                | P.O. (mg/l)                                                                | Turbidity (NTU)               | Eh (mV)                                  | (cumulative gal)                    |  |  |
|                            | Sample Weather Cor Sample Des Obse  Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | for Soluble Tempe nditions Duscription: crvations: pH (units) 7-9      | Specific Conductance (µmhos/cm)  5 40                                                                                        | Temp (°C) (observed) 9.9                            | D.O. (mg/l)                                                                | Turbidity (NTU)               | Eh (mV) 28 ) 280                         | (cumulative gal)  2. Ce  5. Z       |  |  |
| go Stabilization 155t      | Sample Weather Cor Sample Des Obse  Time 1333 1344 1359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | for Soluble Tempe nditions Duscription: crvations: pH (units) 7-9 7-8  | Specific Conductance (µmhos/cm)  540                                                                                         | Temp (°C) (observed) 9.9 9.8                        | D.O. (mg/l) 1. 7 3. 4 4. 4                                                 | Turbidity (NTU)               | Eh (mV) 28 ) 280                         | (cumulative gal)  2. (e  5. 2       |  |  |
| orm                        | Sample Weather Cor Sample Des Obse  Time 1333 1344 1359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | for Soluble Tempe nditions Duscription: cryations:  pH (units) 7-9 7.8 | Specific Conductance (µmhos/cm)  540                                                                                         | Temp (°C) (observed) 9.9 9.8 9-8                    | D.O. (mg/l)  1. 7  3. 6  4. 4  5/3/21                                      | Turbidity (NTU)               | Eh (mV) 28 ) 280                         | (cumulative ga                      |  |  |



| 7                       | Client Xcel Energy     | 34                                 | Project              | Sherco lends                                 | , Spring 20           | 21 Proje   | ct No. 21   | -04548           |  |  |  |  |
|-------------------------|------------------------|------------------------------------|----------------------|----------------------------------------------|-----------------------|------------|-------------|------------------|--|--|--|--|
| ma                      | Monitoring Point II    | P-162                              |                      |                                              | 3                     | La         | abeled 87   | 22156            |  |  |  |  |
| Presampling Information | Inside Diamete         | r Z                                | (inches)             | Key # 210                                    | le                    | 🔀 Locke    | d $\square$ | Not Locked       |  |  |  |  |
| ng                      | Casing Materia         | l: PVC                             | ∑ Ste                | eel [                                        | Stainless St          | eel        |             |                  |  |  |  |  |
| E E                     |                        | Depth Meas                         | urement a            | ent and Elevations (from top of well casing) |                       |            |             |                  |  |  |  |  |
| esa                     |                        |                                    |                      |                                              | ng Elevation          |            |             | Feet             |  |  |  |  |
|                         | 0                      | Supply Control of the              | rando al dalegio del |                                              | Well Depth            |            |             | Feet AApprox C   |  |  |  |  |
| Weii Description and    |                        | vater level meas<br>level measurer |                      |                                              |                       |            |             | Feet   Past Dat  |  |  |  |  |
| 000                     | Static water           |                                    |                      |                                              | fore Purging          |            |             | Feet             |  |  |  |  |
|                         | Purge Method           |                                    |                      | Liovation Be                                 | noro i arging         | Pump ID    |             |                  |  |  |  |  |
| Des                     | Date Purged            |                                    |                      |                                              | Wat                   | ter Column |             | Feet             |  |  |  |  |
| Ne II                   | Time Purged            | 820 - 084                          |                      |                                              | One Casi              | ng Volume  | 2.7         | Gallons          |  |  |  |  |
|                         | Pump Rate              | 0.4                                | 1                    | GPM / LPM                                    | Volu                  | me Purged  | 8.4         | Gallons          |  |  |  |  |
| ij                      | Date Sample            | d 5/5/21                           |                      | Field                                        | Parameter             | Measure    | ements of   | f Sample         |  |  |  |  |
| 4                       | Time Sample            | d 0845                             |                      | р                                            | H 7.6                 | (units)    | D.C         | 8-9 (mg/l)       |  |  |  |  |
|                         | Sampling Equip         | Pump                               |                      | Spec. Con                                    | d. 860                | (µmhos/cm) | Turbidity   | 4. 3 (NTU)       |  |  |  |  |
| Data                    | Meter II               | MPS-8 TO                           |                      |                                              |                       |            |             |                  |  |  |  |  |
|                         | Analyzed b             | y RUS                              | Те                   | Temp. Corrected 9.3 (°C) Other               |                       |            |             |                  |  |  |  |  |
| ild.                    |                        | urements Temp                      |                      |                                              |                       |            |             |                  |  |  |  |  |
| Sampling                | Sample for Sol         |                                    |                      |                                              | Yes                   | ☐ No       | NA NA       | /                |  |  |  |  |
| Field                   | Weather Conditions     | perature Corre                     | ction Factor:        | to.3 °C                                      |                       |            |             | /                |  |  |  |  |
| I                       | Sample Description     | During Sampin                      | g. 47                | raiting cio                                  | y, p                  | wnd        |             | *                |  |  |  |  |
|                         | Observations           |                                    | 9634                 |                                              |                       |            |             |                  |  |  |  |  |
|                         | 7-7-7-1                | 1000                               |                      |                                              |                       |            |             |                  |  |  |  |  |
|                         | Time pH                | Specifc Co                         | nductance            | Temp (°C)                                    | D.O.                  | Turbidity  | Eh          | Volume Purged    |  |  |  |  |
|                         | (units)                | (μmho                              |                      | (observed)                                   | (mg/l)                | (NTU)      | (mV)        | (cumulative gal) |  |  |  |  |
| es                      | 0827 7.6               |                                    | 0                    | 9.1                                          | 8.4                   | NA         | 216         | . 2-8            |  |  |  |  |
| 5                       | 0834 7.6               | 86                                 | 0                    | 9.0                                          | 8.6                   | NA         | 218         | 5.b              |  |  |  |  |
|                         | 0841 7.6               | 86                                 | 0                    | 9.0                                          | 8.9                   | NA         | 219         | 8.4              |  |  |  |  |
| Iza                     | 00 11 7.0              |                                    |                      |                                              | 2es                   |            |             |                  |  |  |  |  |
| abiliza                 | 0011 4.0               |                                    |                      | -                                            |                       |            |             |                  |  |  |  |  |
| Stabiliza               | 7.0                    |                                    |                      |                                              | 15/21                 |            |             |                  |  |  |  |  |
| Stabiliza               | 7.0                    |                                    |                      |                                              | Treatment in complete |            | -           |                  |  |  |  |  |
|                         | mples chilled immediat | ely after collection               |                      | 3                                            | Treatment in complete |            |             |                  |  |  |  |  |
| orm                     | mples chilled immediat |                                    |                      | 3                                            | 15/21                 |            |             |                  |  |  |  |  |
| Sa                      | mples chilled immediat |                                    |                      | 3                                            | 75/21<br>Other        | lytical    |             |                  |  |  |  |  |
| Sa                      | mples chilled immediat | s): Riky J.                        | nesbsen              | 3                                            | 15/21                 | 1          | : 5/5/      |                  |  |  |  |  |



|                                              |                                        | ng Point ID _<br>e Diameter _               | P-16-3<br>2 (inche                                           | s) Key# <u>21</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ole_                                                                                                  | La                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | beled 82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7157<br>Not Locked             |  |  |  |  |
|----------------------------------------------|----------------------------------------|---------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--|--|--|--|
| g<br>B                                       | Casin                                  | g Material:                                 | ☐ PVC {                                                      | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stainless S                                                                                           | iteel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |  |  |  |  |
| dw                                           |                                        | D                                           | epth Measureme                                               | ent and Elevat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ions (from t                                                                                          | op of well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | casing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ř.                             |  |  |  |  |
| Well Description and Presampling Information | Purge Me<br>Date Pu                    | Static water level thod Dedical riged riged | er level measureme<br>vel measurement at<br>Static Water     | Top of Ca<br>To<br>nt before purging<br>time of sampling<br>Level Elevation B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | sing Elevation<br>tal Well Depth<br>(Start Depth)<br>(Final Depth)<br>Before Purging<br>Wa<br>One Cas | 176.<br>158.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 00<br>00<br>00<br>00<br>NA<br>18.00<br>2.93                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                |  |  |  |  |
|                                              | Date                                   | e Sampled                                   | 5/5/2/                                                       | Field                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | d Paramete                                                                                            | r Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ments of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sample                         |  |  |  |  |
|                                              |                                        | e Sampled _                                 |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | pH 7.7                                                                                                | ALL STATE OF THE S | A PERMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8. 7 (mg/l)                    |  |  |  |  |
|                                              |                                        | ling Equip                                  |                                                              | The second secon | nd. 650                                                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 . 0 (NTU)                    |  |  |  |  |
| Data                                         |                                        |                                             | MPS-8 TM-S                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |  |  |  |  |
|                                              | Α                                      | nalyzed by _                                |                                                              | Temp. Correct                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ted 9-8                                                                                               | _(°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | M                              |  |  |  |  |
| ld Sampling                                  | Weather C                              | Tempe                                       | e Metals Filtered in erature Correction Fauring Sampling: 5/ | actor: to.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ☐ Yes<br>°C<br>Vund                                                                                   | □ No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | X NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |  |  |  |  |
| Fie                                          |                                        | escription: _<br>servations: _              |                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |  |  |  |  |
| Fie                                          |                                        | escription: _<br>servations: _              | nare                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       | Communication of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |  |  |  |  |
| Fie                                          |                                        | escription: _                               |                                                              | ce Temp (°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                       | Turbidity<br>(NTU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Eh<br>(mV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Volume Purged (cumulative gal) |  |  |  |  |
|                                              | Ob                                     | Description: _<br>servations: _<br>pH       | Specifc Conductan                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The second secon |                                |  |  |  |  |
| lest                                         | Ob<br>Time                             | pH (units)                                  | Specifc Conductan<br>(µmhos/cm)                              | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ) (mg/l)                                                                                              | (NTU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (mV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (cumulative gal)               |  |  |  |  |
| lest                                         | 7ime 0908                              | pH (units)                                  | Specifc Conductan (µmhos/cm)                                 | 9.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (mg/l)<br>8. (<br>8. 7                                                                                | (NTU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (mV)<br>Z33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (cumulative gal)               |  |  |  |  |
| Test                                         | Ob Time 0908 0914                      | pH (units)                                  | Specifc Conductan (µmhos/cm) 630                             | 9.5<br>9.5<br>9.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mg/l)<br>8. (<br>8. 7<br>8. 7                                                                        | (NTU)<br>~A<br>~A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mV)<br>233<br>234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (cumulative gal)               |  |  |  |  |
| Test                                         | Ob Time 0908 0914                      | pH (units)                                  | Specifc Conductan (µmhos/cm) 630                             | 9.5<br>9.5<br>9.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mg/l)<br>8. (<br>8. 7                                                                                | (NTU)<br>~A<br>~A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mV)<br>233<br>234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (cumulative gal)               |  |  |  |  |
| Stabilization Test                           | Ob Time 0908 0914                      | pH (units) 7.8 7.7                          | Specifc Conductan (µmhos/cm) 630 640 650                     | 9.5<br>9.5<br>9.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mg/l)<br>8. (<br>8. 7<br>8. 7                                                                        | (NTU)<br>~A<br>~A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mV)<br>233<br>234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (cumulative gal)               |  |  |  |  |
|                                              | Ob Time 0908 0914                      | pH (units) 7.8 7.7                          | Specifc Conductan (µmhos/cm) 630                             | 9.5<br>9.5<br>9.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mg/l)<br>8. (<br>8. 7<br>8. 7                                                                        | (NTU)<br>~A<br>~A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (mV)<br>233<br>234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (cumulative gal)               |  |  |  |  |
| Stabilization Test                           | Time  0908  0914  0924  amples chilled | pH (units) 7.8 7.7                          | Specifc Conductan (µmhos/cm) (630 640 650                    | (observed<br>9.5<br>9.5<br>9.5<br>9.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (mg/l)<br>8. (<br>8. 7<br>8. 7                                                                        | (NTU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (mV)<br>233<br>234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (cumulative gal)               |  |  |  |  |



| 등                       | Client <u>X</u> ce                  | el Energy                |                   | Project    | Shercolonds,            | Spring 20      | 21 Project         | t No. 21-0 | 24548                          |
|-------------------------|-------------------------------------|--------------------------|-------------------|------------|-------------------------|----------------|--------------------|------------|--------------------------------|
| Presampling Information | Monitoring                          | g Point ID               | P-164             |            |                         | 3              | La                 | beled 82   | 2158                           |
| ıforı                   | Inside                              | Diameter                 | Z                 | (inches)   | Key # 2101              | le             | Locked             | d 🗆        | Not Locked                     |
| ng Ir                   | Casing                              | Material:                | ☐ PVC             | ⊠ Ste      | el 🗆                    | Stainless St   | eel                |            |                                |
| ııldu                   |                                     | D                        | epth Measur       | ement a    | nd Elevatio             | ns (from to    | op of well         | casing)    | 0                              |
| esar                    |                                     |                          |                   |            | Top of Casin            | g Elevation    | N                  | 4          | Feet                           |
| P                       |                                     |                          |                   |            |                         | Well Depth     |                    |            | Feet                           |
| and                     | 1144                                |                          | er level measur   |            |                         |                |                    |            | Feet                           |
| ion                     | Sta                                 | itic water lev           | vel measureme     |            |                         |                |                    |            | Feet                           |
| in in                   | Durgo Mot                           | had D I.                 |                   |            | Elevation Bef           | ore Purging    | Pump ID            |            | Feet                           |
| Well Description        |                                     | ged S                    | ted KECK Pu       | 4 P        |                         | Wat            | er Column          | 10.1       | Feet                           |
| ell                     |                                     | _                        | 0-0958            |            |                         |                | ng Volume          |            | Gallons                        |
| 3                       | Pump R                              |                          | 0.4               | (          | GPM/LPM                 |                | me Purged          |            | Gallons                        |
|                         | Date                                | Sampled                  | 5/5/71            |            | Field I                 | Parameter      | Measure            | ments of   | Sample                         |
|                         |                                     | The second second second | 1000              |            |                         |                | (units)            |            | 7-5 (mg/l)                     |
|                         |                                     | ng Equip                 |                   |            | Spec. Cond.             |                | (μmhos/cm)         | Turbidity  |                                |
| 큡                       |                                     |                          | MPS-8 TM-         | Tei        | mp. Observed            |                | (°C)               |            | 236 (mV)                       |
| y Data                  | An                                  | alyzed by                |                   | 9 1 1 5 5  | mp. Corrected           |                | (°C)               | Other      |                                |
| Field Sampling          | Fie                                 | eld Measure              | ments Temp. (     | Corrected: | X                       | Yes            | □ No               | □ NA       |                                |
| ami                     |                                     |                          | e Metals Filtere  |            |                         | Yes            | ☐ No               | NA NA      |                                |
| S pi                    |                                     | Tempe                    | rature Correction | on Factor: | +0.3 °C                 |                |                    |            | 9.1                            |
| Fie                     | Weather Co                          | onditions Du             | iring Sampling:   | 525, 7     | artly Cloud             | y, &w.         | nd                 |            |                                |
|                         |                                     |                          | Cleer no o        | der        |                         | •              |                    |            |                                |
|                         | Obs                                 | ervations: <u> </u>      | une               |            |                         |                |                    |            | ;                              |
|                         |                                     |                          |                   |            |                         |                |                    |            |                                |
|                         | Time                                | pH<br>(units)            | Specifc Condu     |            | Temp (°C)<br>(observed) | D.O.<br>(mg/l) | Turbidity<br>(NTU) | Eh<br>(mV) | Volume Purged (cumulative gal) |
| est                     | 0946                                | 7.8                      | 540               |            | 11.0                    | 7.1            | NA                 | 235        | 2.4                            |
| _ uo                    | 0952                                | 7.8                      | 540               |            | 11.6                    | 7.3            | NA                 | 236        | 4.8                            |
| Stabilization Test      | 0958                                | 7.7                      | 540               |            | 11.0                    | 7.5            | MA                 | 236        | 7-2                            |
| abilli                  | ,—                                  |                          |                   |            |                         |                |                    |            |                                |
| š                       |                                     |                          |                   |            | PC                      |                |                    |            |                                |
|                         |                                     |                          |                   |            | 5/5                     | 127            |                    |            |                                |
|                         |                                     |                          | (S)               | [×         | Yes Ot                  | her            |                    |            |                                |
| s                       | amples chilled i                    | immediately:             | after collection: |            | 1 103                   | ilei           |                    |            |                                |
|                         | amples chilled in Revised 01/25/202 |                          | after collection: |            | 16501                   | ne <u>i</u>    |                    |            |                                |
| Form                    | Revised 01/25/202                   | 21                       |                   |            |                         |                | lytical            |            |                                |
| Form                    | Revised 01/25/202                   | Sampler(s):              | Riky Jose         |            |                         | ace Am         | '                  | 5/5/2      |                                |



| Client Xce                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 Energy                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | _ Frojec                                                    | June 1                                                      | cuas                                                        | princi 201                                          | Floje               | CL 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | - 04740                                                                                 |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--|--|
| Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Point ID                                                                                                                                                     | 8-165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                             |                                                             |                                                             | 3                                                   | La                  | abeled 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 22159                                                                                   |  |  |
| Inside                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Diameter                                                                                                                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (inches)                                                    | Key#                                                        | 2106                                                        |                                                     | K Locke             | d [                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ] Not Locked                                                                            |  |  |
| Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Material:                                                                                                                                                    | ✓ PVC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | □ s                                                         | teel                                                        |                                                             | Stainless St                                        | eel                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D                                                                                                                                                            | epth Meas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | urement                                                     | and Ele                                                     | vations                                                     | s (from to                                          | p of well           | casing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (4)                                                                                     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | Top of                                                      | Casing                                                      | Elevation                                           | 1                   | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Feet                                                                                    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Feet State                                                                              |  |  |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                       |  |  |
| Sta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | tic water le                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _Feet                                                                                   |  |  |
| Purge Meth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | t Gy bor                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _Feet                                                                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | - Vertarie                                                  | simit                                                       |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9 Gallons                                                                               |  |  |
| Pump R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ate                                                                                                                                                          | 0.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                             | GPM /                                                       | LPM                                                         | Volur                                               | ne Purged           | le .7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Gallons                                                                                 |  |  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sampled                                                                                                                                                      | 5/16/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                             | F                                                           | ield Pa                                                     | arameter                                            | Measure             | ements o                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | f Sample                                                                                |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             | рН                                                          | 76                                                  | (units)             | D.C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8.0 (mg/l)                                                                              |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | Spec.                                                       | Cond.                                                       | 590                                                 | (µmhos/cm)          | Turbidit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | y 7.5 (NTU)                                                                             |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Meter ID _                                                                                                                                                   | MPS-8 TM-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| Analyzed by RUS Temp. Corrected (6.7 (°C) Other NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| The state of the s |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| Weather Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | nditions Du                                                                                                                                                  | ring Samplin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | a: (a) F                                                    | 0.3                                                         |                                                             | 20 11/1                                             | 10. (               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| Sample De                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | scription.                                                                                                                                                   | traint Re                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | y. 01                                                       | Sinne                                                       | 1, NI                                                       | N ( 191                                             | TH                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | •                                                                                       |  |  |
| Obse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ervations:                                                                                                                                                   | Coold not                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Loct H                                                      | adde Pu                                                     | ma tes                                                      | Werk                                                | uced for            | und fos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pino - likely                                                                           |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| Timo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | рН                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | ,                                                           | - T                                                         | D.O.                                                | Turbidity           | Eh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Volume Purged                                                                           |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (units)                                                                                                                                                      | "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                             |                                                             |                                                             | (mg/l)                                              | (NTU)               | (mV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (cumulative gal)                                                                        |  |  |
| 1438                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | 15                                                          | .9                                                          |                                                     | MA                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ` 7                                                                                     |  |  |
| 1446                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.6                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             | 160                                                         | .0                                                          |                                                     | MA                  | 227                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                                                                                       |  |  |
| 1454                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7-6                                                                                                                                                          | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10                                                          | 16                                                          | ٥.                                                          | 8.0                                                 | MA                  | 226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                                                                                       |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              | KA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | J Clian                                                     |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 51414                                                       |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| amples chilled i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | mmediately                                                                                                                                                   | after collection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             | Yes                                                         | Othe                                                        | er                                                  |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| Revised: 01/25/202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |                                                             |                                                             |                                                     |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              | 111 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                             |                                                             | 0                                                           |                                                     | 1 . 1               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| e/Affiliation of S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Sampler(s):                                                                                                                                                  | Kiley Jo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ics biscin                                                  |                                                             | la                                                          | ce An                                               | yrical              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                         |  |  |
| e/Affiliation of S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                              | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ()                                                          |                                                             | ra                                                          | ce Ana                                              | Date                | : 5/6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12                                                                                      |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Monitoring Inside Casing  Star  Purge Methodate Purge Time Purge Pump R.  Date Time Samplin  And File Sample Weather Co Sample De Obse  Time  1438 1446 1454 | Monitoring Point ID Inside Diameter Casing Material:  Casing Material:  Date Static water level of the Purged It is provided in the | Monitoring Point ID Inside Diameter Casing Material:    Pvc | Monitoring Point ID Inside Diameter Casing Material:    PVC | Monitoring Point ID Inside Diameter Casing Material:    PVC | Monitoring Point ID   Prost     Inside Diameter   2 | Monitoring Point ID | Monitoring Point ID   P-Ne\$   Lease   Casing Material:   PVC   Steel   Stainless Steel   Depth Measurement and Elevations (from top of well   Top of Casing Elevation   New Yes   Total Well Depth   Yes   Static water level measurement before purging (Start Depth)   32.   Static water level measurement at time of sampling (Final Depth)   32.   Static water level measurement at time of sampling (Final Depth)   32.   Static water level measurement at time of sampling (Final Depth)   32.   Static water level measurement at time of sampling (Final Depth)   32.   Static water level measurement at time of sampling (Final Depth)   32.   Static water level measurements from Purging   Purge Method   Purged   Mater Column   Time Purged   1/30   1/454   One Casing Volume Purged   One Casing Volume Purged   One Casing Volume Purged   One Casing Volume Purged   Sampling Equip.   Ph   7 ((units)   Spec. Cond.   Spec. (umhos/cm)   Temp. Observed   ((u.o.   CC)   Temp. Corrected   (u.o.   CC)   Temp. Correcte | Monitoring Point ID  Inside Diameter  Casing Material:    PVC   Steel   Stainless Steel |  |  |



| uo                                           | Client X          | æ                            |                                       | Project 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | sherus 31 pov                      | nds resamp     | uspany 2<br>Proje        | 6 11<br>ct No.11-0 | 4716                           |  |  |  |  |
|----------------------------------------------|-------------------|------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------|--------------------------|--------------------|--------------------------------|--|--|--|--|
| Well Description and Presampling Information | Monitorin         | ng Point ID                  | P-145                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                | La                       | abeled 97          | 12159                          |  |  |  |  |
| nfor                                         | Inside            | e Diameter                   | 2 (                                   | inches)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Key# 210                           | <i>o</i>       | Locke                    | d 🗆                | Not Locked                     |  |  |  |  |
| ng lı                                        | Casin             | g Material:                  | X PVC                                 | ☐ Stee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | el 🗀                               | Stainless S    | teel                     |                    |                                |  |  |  |  |
| mpli                                         |                   | D                            | epth Measure                          | ement ar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | d Elevatio                         | ns (from t     | op of well               | casing)            |                                |  |  |  |  |
| resa                                         |                   |                              |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Top of Casir                       | Sale and Alvan |                          |                    | Feet                           |  |  |  |  |
| d Pi                                         |                   | Statio water                 | or lovel measure                      | omont hofe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    | Well Depth     |                          |                    | Feet                           |  |  |  |  |
| n an                                         | St                |                              | er level measur<br>vel measuremer     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                |                          |                    | _Feet<br>Feet                  |  |  |  |  |
| iptio                                        |                   |                              |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Elevation Bet                      |                |                          |                    | Feet                           |  |  |  |  |
| scr                                          |                   |                              | cated be                              | addt 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | duno                               |                |                          | BPC-1              |                                |  |  |  |  |
| III De                                       | Date Pu           | rged <u>6/</u><br>rged /02.0 | 1014                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                | ter Column<br>ing Volume |                    | Feet Gallons                   |  |  |  |  |
| We                                           | Pump I            |                              | 0.2                                   | ((                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SPM/ LPM                           |                | me Purged                |                    | Gallons                        |  |  |  |  |
|                                              |                   |                              | a fra de la                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                | 47 40 45                 |                    | Cample                         |  |  |  |  |
|                                              |                   | e Sampled <u> </u>           |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    | 1 8.0          | r Measure                |                    | II,D (mg/l)                    |  |  |  |  |
| y 1                                          |                   | ling Equip. p                |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Spec. Cond                         | _              | (µmhos/cm)               | Turbidity          |                                |  |  |  |  |
| Data                                         |                   |                              | 1PS-8 TM-5                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                |                          |                    |                                |  |  |  |  |
| g D                                          | Α                 | nalyzed by                   | 26J +KAJ                              | Tem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Temp. Corrected 12.5 (°C) Other NA |                |                          |                    |                                |  |  |  |  |
| Field Sampling                               |                   |                              | ments Temp. C                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                |                          |                    |                                |  |  |  |  |
| Sar                                          | Samp              |                              | e Metals Filtered<br>rature Correctio |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                | ⊠ No                     | ☐ NA               |                                |  |  |  |  |
| Field                                        | Weather C         |                              | ring Sampling:                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                | rind a                   | 2 mph              |                                |  |  |  |  |
|                                              | Sample D          | escription:                  | clear so                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                |                          |                    |                                |  |  |  |  |
|                                              | Obs               | servations: _                | NA                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                |                          |                    |                                |  |  |  |  |
|                                              | -                 |                              |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                |                          |                    |                                |  |  |  |  |
|                                              | Time              | pH<br>(units)                | Specifc Condu                         | Control of the Contro | Temp (°C)<br>(observed)            | D.O.<br>(mg/l) | Turbidity<br>(NTU)       | Eh<br>(mV)         | Volume Purged (cumulative gal) |  |  |  |  |
| est                                          | 1027              | 7.9                          | 250                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12.3                               | il. D          | NA                       | 253                | 1.4                            |  |  |  |  |
| on T                                         | 1034              | 8.0                          | 200                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12.2                               | 11.0           | NA                       | 254                | 2.8                            |  |  |  |  |
| izati                                        | 1041              | 8.0                          | 260                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12.2                               | 11.0           | AN                       | 254                | 4.2                            |  |  |  |  |
| Stabilization Test                           |                   |                              |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | KAJ 6/V                            | 0/21           |                          |                    |                                |  |  |  |  |
| S                                            |                   |                              |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    | 1              |                          |                    |                                |  |  |  |  |
|                                              |                   |                              |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                |                          |                    |                                |  |  |  |  |
|                                              |                   | immediately a                | fter collection:                      | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes Ot                             | her            |                          |                    |                                |  |  |  |  |
|                                              | Revised: 01/25/20 |                              | 0 1                                   | S. C. C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10                                 |                | 2 -                      |                    |                                |  |  |  |  |
| Name                                         | e/Affiliation of  | Sampler(s):                  | Filey Jaco                            | prom 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | kenga                              | of Johns       | on                       |                    |                                |  |  |  |  |
| 1.                                           | ad Technician     | Signature:                   | ad                                    | MIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\sim$                             |                | Date:                    | 6/10               | 121                            |  |  |  |  |





25 May 2021

Eric Ealy

**Environmental Services-Water Minneapolis** 

250 Marquette Plaza

Minneapolis, MN 55401

RE: Sherco Pond 3 CCR

Enclosed are the results of analyses for samples received by the laboratory on 05/05/2021 08:00-05/07/2021 06:50. If you have any questions concerning this report, please feel free to contact me.

CC:

I certify that this analysis report was prepared under my direction or supervision under a system designed to assure that qualified personnel analyzed the submitted samples. All protocols for analysis were followed as required by Minnesota Rules and the Applicable Management Plan.

Sincerely,

Steve Davis

Project Manager



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

#### **ANALYTICAL REPORT FOR SAMPLES**

| Sample ID        | Sample Qualifier | Laboratory ID | Matrix | Sampled          | Received        |
|------------------|------------------|---------------|--------|------------------|-----------------|
| P-131            |                  | MGE0052-21    | Water  | 05/03/2021 10:35 | 05/05/2021 8:00 |
| P-132            |                  | MGE0052-22    | Water  | 05/03/2021 13:05 | 05/05/2021 8:00 |
| P-150            |                  | MGE0052-23    | Water  | 05/03/2021 9:10  | 05/05/2021 8:00 |
| P-152A           |                  | MGE0052-24    | Water  | 05/04/2021 12:50 | 05/05/2021 8:00 |
| P-153            |                  | MGE0052-25    | Water  | 05/03/2021 14:35 | 05/05/2021 8:00 |
| P-154A           |                  | MGE0052-26    | Water  | 05/03/2021 14:00 | 05/05/2021 8:00 |
| Duplicate CCR-P3 |                  | MGE0052-35    | Water  | 05/03/2021 9:10  | 05/05/2021 8:00 |
| Rinse CCR-P3     |                  | MGE0052-36    | Water  | 05/03/2021 9:20  | 05/05/2021 8:00 |
| P-130            |                  | MGE0077-15    | Water  | 05/05/2021 8:55  | 05/07/2021 6:50 |
| P-151            |                  | MGE0077-16    | Water  | 05/06/2021 15:50 | 05/07/2021 6:50 |
| P-162            |                  | MGE0077-20    | Water  | 05/05/2021 8:45  | 05/07/2021 6:50 |
| P-163            |                  | MGE0077-21    | Water  | 05/05/2021 9:30  | 05/07/2021 6:50 |
| P-164            |                  | MGE0077-22    | Water  | 05/05/2021 10:00 | 05/07/2021 6:50 |
| P-165            |                  | MGE0077-23    | Water  | 05/06/2021 15:00 | 05/07/2021 6:50 |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

P-131
MGE0052-21 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography | 1        |           |          |           |          |         |              |               |              |         |
| Chloride                     | 21.3     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 11:53 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 11:53 | EPA 300.0    | CRL     |
| Sulfate                      | 13.2     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 11:53 | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| рН                           | 7.89     |           | pH Units | M_TTT     | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 13:59  | SM 4500-H+ B | HRD     |
| Total Dissolved Solids       | 298      | 25.0      | mg/L     |           | 1        | BGE0086 | 5/5/21 13:27 | 5/5/21 13:27  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGE0085 | 5/5/21 11:48 | 5/5/21 11:48  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.552    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Barium                       | 75.1     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Beryllium                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Cadmium                      | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Cobalt                       | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Chromium                     | 0.744    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Molybdenum                   | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Lead                         | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Antimony                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Selenium                     | 0.690    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Thallium                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 8:44  | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:17 | EPA 200.7    | HRD     |
| Calcium                      | 72.4     | 2.00      | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:16 | EPA 200.7    | HRD     |
| Lithium                      | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:16 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

05/25/2021 09:16

# P-131 MGE0052-21 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilution | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-------------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                               |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                             | BGE0230  | 5/11/21 9:46 | 5/11/21 14:56 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

# P-132 MGE0052-22 (Water) - Chain of Custody Number: Pace

|                           |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|---------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                   | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatogra | phy      |           |          |           |          |         |              |               |              |         |
| Chloride                  | 2.01     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:13 | EPA 300.0    | CRL     |
| Fluoride                  | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:13 | EPA 300.0    | CRL     |
| Sulfate                   | 55.0     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:13 | EPA 300.0    | CRL     |
| Wet Chemistry             |          |           |          |           |          |         |              |               |              |         |
| рН                        | 7.70     |           | pH Units | M_TTT     | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 14:06  | SM 4500-H+ B | HRD     |
| Total Dissolved Solids    | 380      | 25.0      | mg/L     |           | 1        | BGE0086 | 5/5/21 13:27 | 5/5/21 13:27  | SM 2540C     | HSD     |
| Total Suspended Solids    | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGE0085 | 5/5/21 11:48 | 5/5/21 11:48  | SM 2540D     | HSD     |
| Total Metals by ICPMS     |          |           |          |           |          |         |              |               |              |         |
| Arsenic                   | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Barium                    | 42.0     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Beryllium                 | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Cadmium                   | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Cobalt                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Chromium                  | 1.74     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Molybdenum                | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Lead                      | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Antimony                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Selenium                  | 1.41     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Thallium                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:02  | EPA 200.8    | CRL     |
| Total Metals by ICP       |          |           |          |           |          |         |              |               |              |         |
| Boron                     | 0.0684   | 0.0500    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:23 | EPA 200.7    | HRD     |
| Calcium                   | 95.0     | 2.00      | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:21 | EPA 200.7    | HRD     |
| Lithium                   | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:21 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

### P-132 MGE0052-22 (Water) - Chain of Custody Number: Pace

| Analyte | l<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilutio | n Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|------------------------------|---------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                              |         |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                            | BGE0230 | 5/11/21 9:46 | 5/11/21 15:01 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

# P-150 MGE0052-23 (Water) - Chain of Custody Number: Pace

| Analyte                    | Result   | Reporting<br>Limit | Units    | Analyte<br>Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
|----------------------------|----------|--------------------|----------|----------------------|----------|---------|--------------|---------------|--------------|---------|
| Anions by Ion Chromatograp | ohy      |                    |          |                      |          |         |              |               |              |         |
| Chloride                   | 31.5     | 1.00               | mg/L     |                      | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:34 | EPA 300.0    | CRL     |
| Fluoride                   | < 0.750  | 0.750              | mg/L     |                      | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:34 | EPA 300.0    | CRL     |
| Sulfate                    | 3.74     | 1.00               | mg/L     |                      | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:34 | EPA 300.0    | CRL     |
| Wet Chemistry              |          |                    |          |                      |          |         |              |               |              |         |
| рН                         | 7.95     |                    | pH Units | M_TTT                | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 14:10  | SM 4500-H+ B | HRD     |
| Total Dissolved Solids     | 222      | 25.0               | mg/L     |                      | 1        | BGE0086 | 5/5/21 13:27 | 5/5/21 13:27  | SM 2540C     | HSD     |
| Total Suspended Solids     | < 5.00   | 5.00               | mg/L     | M_K-06               | 1        | BGE0085 | 5/5/21 11:48 | 5/5/21 11:48  | SM 2540D     | HSD     |
| Total Metals by ICPMS      |          |                    |          |                      |          |         |              |               |              |         |
| Arsenic                    | 0.627    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Barium                     | 44.9     | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Beryllium                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Cadmium                    | < 0.100  | 0.100              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Cobalt                     | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Chromium                   | 0.614    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Molybdenum                 | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Lead                       | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Antimony                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Selenium                   | 0.528    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Thallium                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:06  | EPA 200.8    | CRL     |
| Total Metals by ICP        |          |                    |          |                      |          |         |              |               |              |         |
| Boron                      | < 0.0500 | 0.0500             | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:33 | EPA 200.7    | HRD     |
| Calcium                    | 47.6     | 2.00               | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:31 | EPA 200.7    | HRD     |
| Lithium                    | < 0.0150 | 0.0150             | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:31 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

### P-150

#### MGE0052-23 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilution | n Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-------------------------------|---------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                               |         |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                             | BGE0230 | 5/11/21 9:46 | 5/11/21 15:03 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### P-152A MGE0052-24 (Water) - Chain of Custody Number: Pace

|                           |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|---------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                   | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatogra | phy      |           |          |           |          |         |              |               |              |         |
| Chloride                  | 3.45     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:54 | EPA 300.0    | CRL     |
| Fluoride                  | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:54 | EPA 300.0    | CRL     |
| Sulfate                   | 16.1     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 12:54 | EPA 300.0    | CRL     |
| Wet Chemistry             |          |           |          |           |          |         |              |               |              |         |
| рН                        | 7.92     |           | pH Units | M_TTT     | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 14:13  | SM 4500-H+ B | HRD     |
| Total Dissolved Solids    | 236      | 25.0      | mg/L     |           | 1        | BGE0136 | 5/7/21 8:44  | 5/7/21 8:44   | SM 2540C     | HSD     |
| Total Suspended Solids    | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGE0135 | 5/7/21 6:41  | 5/7/21 6:41   | SM 2540D     | HSD     |
| Total Metals by ICPMS     |          |           |          |           |          |         |              |               |              |         |
| Arsenic                   | 0.536    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Barium                    | 46.2     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Beryllium                 | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Cadmium                   | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Cobalt                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Chromium                  | 1.14     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Molybdenum                | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Lead                      | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Antimony                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Selenium                  | 0.867    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Thallium                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:10  | EPA 200.8    | CRL     |
| Total Metals by ICP       |          |           |          |           |          |         |              |               |              |         |
| Boron                     | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:38 | EPA 200.7    | HRD     |
| Calcium                   | 57.2     | 2.00      | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:37 | EPA 200.7    | HRD     |
| Lithium                   | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:37 | EPA 200.7    | HRD     |



| Environmental Services-Water Minneapolis | Project Name/Location: Sherco Pond 3 CCR |                  |
|------------------------------------------|------------------------------------------|------------------|
| 250 Marquette Plaza                      |                                          | Reported:        |
| Minneapolis MN, 55401                    | Project Manager: Eric Ealy               | 05/25/2021 09:16 |

#### P-152A

#### MGE0052-24 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilution | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-------------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                               |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                             | BGE0230  | 5/11/21 9:46 | 5/11/21 15:05 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

P-153
MGE0052-25 (Water) - Chain of Custody Number: Pace

|                            |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|----------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                    | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatograp | hy       |           |          |           |          |         |              |               |              |         |
| Chloride                   | < 1.00   | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 14:57 | EPA 300.0    | CRL     |
| Fluoride                   | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 14:57 | EPA 300.0    | CRL     |
| Sulfate                    | 3.38     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 14:57 | EPA 300.0    | CRL     |
| Wet Chemistry              |          |           |          |           |          |         |              |               |              |         |
| pH                         | 8.17     |           | pH Units | M_TTT     | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 14:17  | SM 4500-H+ B | HRD     |
| Total Dissolved Solids     | 114      | 25.0      | mg/L     |           | 1        | BGE0086 | 5/5/21 13:27 | 5/5/21 13:27  | SM 2540C     | HSD     |
| Total Suspended Solids     | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGE0085 | 5/5/21 11:48 | 5/5/21 11:48  | SM 2540D     | HSD     |
| Total Metals by ICPMS      |          |           |          |           |          |         |              |               |              |         |
| Arsenic                    | 1.22     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Barium                     | 14.9     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Beryllium                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Cadmium                    | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Cobalt                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Chromium                   | 0.939    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Molybdenum                 | 0.569    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Lead                       | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Antimony                   | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Selenium                   | 0.747    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Thallium                   | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:14  | EPA 200.8    | CRL     |
| Total Metals by ICP        |          |           |          |           |          |         |              |               |              |         |
| Boron                      | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:43 | EPA 200.7    | HRD     |
| Calcium                    | 25.0     | 2.00      | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:42 | EPA 200.7    | HRD     |
| Lithium                    | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:42 | EPA 200.7    | HRD     |



| Environmental Services-Water Minneapolis | Project Name/Location: Sherco Pond 3 CCR |                  |
|------------------------------------------|------------------------------------------|------------------|
| 250 Marquette Plaza                      |                                          | Reported:        |
| Minneapolis MN, 55401                    | Project Manager: Eric Ealy               | 05/25/2021 09:16 |

### P-153

#### MGE0052-25 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilution | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-------------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                               |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                             | BGE0230  | 5/11/21 9:46 | 5/11/21 15:06 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

# P-154A MGE0052-26 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |          |           |          |           |          |         |              |               |              |         |
| Chloride                     | 21.6     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 15:17 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 15:17 | EPA 300.0    | CRL     |
| Sulfate                      | 36.0     | 1.00      | mg/L     |           | 1        | BGE0090 | 5/5/21 11:23 | 5/11/21 15:17 | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| рН                           | 8.00     |           | pH Units | M_TTT     | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 14:20  | SM 4500-H+ B | HRD     |
| Total Dissolved Solids       | 310      | 25.0      | mg/L     |           | 1        | BGE0086 | 5/5/21 13:27 | 5/5/21 13:27  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGE0085 | 5/5/21 11:48 | 5/5/21 11:48  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 1.47     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Barium                       | 48.2     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Beryllium                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Cadmium                      | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Cobalt                       | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Chromium                     | 0.577    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Molybdenum                   | 0.916    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Lead                         | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Antimony                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Selenium                     | 0.657    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Thallium                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:18  | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:48 | EPA 200.7    | HRD     |
| Calcium                      | 67.3     | 2.00      | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:47 | EPA 200.7    | HRD     |
| Lithium                      | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 21:47 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

05/25/2021 09:16

#### P-154A

#### MGE0052-26 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilut | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|----------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                            |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                          | BGE0230  | 5/11/21 9:46 | 5/11/21 15:08 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

# Duplicate CCR-P3 MGE0052-35 (Water) - Chain of Custody Number: Pace

| Analyte                    | Result   | Reporting<br>Limit | Units    | Analyte<br>Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
|----------------------------|----------|--------------------|----------|----------------------|----------|---------|--------------|---------------|--------------|---------|
| Anions by Ion Chromatograp | hy       |                    |          |                      |          |         |              |               |              |         |
| Chloride                   | 31.5     | 1.00               | mg/L     |                      | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 10:16 | EPA 300.0    | CRL     |
| Fluoride                   | < 0.750  | 0.750              | mg/L     |                      | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 10:16 | EPA 300.0    | CRL     |
| Sulfate                    | 3.75     | 1.00               | mg/L     |                      | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 10:16 | EPA 300.0    | CRL     |
| Wet Chemistry              |          |                    |          |                      |          |         |              |               |              |         |
| рН                         | 7.97     |                    | pH Units | M_TTT                | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 15:13  | SM 4500-H+ B | HRD     |
| Total Dissolved Solids     | 224      | 25.0               | mg/L     |                      | 1        | BGE0086 | 5/5/21 13:27 | 5/5/21 13:27  | SM 2540C     | HSD     |
| Total Suspended Solids     | < 5.00   | 5.00               | mg/L     | M_K-06               | 1        | BGE0085 | 5/5/21 11:48 | 5/5/21 11:48  | SM 2540D     | HSD     |
| Total Metals by ICPMS      |          |                    |          |                      |          |         |              |               |              |         |
| Arsenic                    | 0.657    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Barium                     | 45.0     | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Beryllium                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Cadmium                    | < 0.100  | 0.100              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Cobalt                     | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Chromium                   | 0.729    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Molybdenum                 | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Lead                       | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Antimony                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Selenium                   | 0.644    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Thallium                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:44  | EPA 200.8    | CRL     |
| Total Metals by ICP        |          |                    |          |                      |          |         |              |               |              |         |
| Boron                      | < 0.0500 | 0.0500             | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:30 | EPA 200.7    | HRD     |
| Calcium                    | 48.8     | 2.00               | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:29 | EPA 200.7    | HRD     |
| Lithium                    | < 0.0150 | 0.0150             | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:29 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

#### Duplicate CCR-P3

#### MGE0052-35 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilut | ion Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|----------------------------|-----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                            |           |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                          | BGE0230   | 5/11/21 9:46 | 5/11/21 15:12 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

## Rinse CCR-P3 MGE0052-36 (Water) - Chain of Custody Number: Pace

| Analista                  |          | Reporting | 11.2.    | Analyte   | Dil. di  |         |              | A b           |              | A nah :=+ |
|---------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|-----------|
| Analyte                   | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst   |
| Anions by Ion Chromatogra | phy      |           |          |           |          |         |              |               |              |           |
| Chloride                  | < 1.00   | 1.00      | mg/L     |           | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 10:36 | EPA 300.0    | CRL       |
| Fluoride                  | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 10:36 | EPA 300.0    | CRL       |
| Sulfate                   | < 1.00   | 1.00      | mg/L     |           | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 10:36 | EPA 300.0    | CRL       |
| Wet Chemistry             |          |           |          |           |          |         |              |               |              |           |
| рН                        | 6.22     |           | pH Units | M_TTT     | 1        | BGE0082 | 5/5/21 10:05 | 5/5/21 15:16  | SM 4500-H+ B | HRD       |
| Total Dissolved Solids    | < 25.0   | 25.0      | mg/L     | M_K-06    | 1        | BGE0086 | 5/5/21 13:27 | 5/5/21 13:27  | SM 2540C     | HSD       |
| Total Suspended Solids    | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGE0085 | 5/5/21 11:48 | 5/5/21 11:48  | SM 2540D     | HSD       |
| Total Metals by ICPMS     |          |           |          |           |          |         |              |               |              |           |
| Arsenic                   | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Barium                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Beryllium                 | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Cadmium                   | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Cobalt                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Chromium                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Molybdenum                | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Lead                      | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Antimony                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Selenium                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Thallium                  | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 9:47  | EPA 200.8    | CRL       |
| Total Metals by ICP       |          |           |          |           |          |         |              |               |              |           |
| Boron                     | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:36 | EPA 200.7    | HRD       |
| Calcium                   | < 2.00   | 2.00      | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:34 | EPA 200.7    | HRD       |
| Lithium                   | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:34 | EPA 200.7    | HRD       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

#### Rinse CCR-P3

#### MGE0052-36 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Diluti | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-----------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                             |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                           | BGE0230  | 5/11/21 9:46 | 5/11/21 15:13 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

P-130 MGE0077-15 (Water) - Chain of Custody Number: Pace

| Analyte                    | Result   | Reporting<br>Limit | Units    | Analyte<br>Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
|----------------------------|----------|--------------------|----------|----------------------|----------|---------|--------------|---------------|--------------|---------|
| Anions by Ion Chromatograp | phy      |                    |          |                      |          |         |              |               |              |         |
| Chloride                   | < 1.00   | 1.00               | mg/L     |                      | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 17:45 | EPA 300.0    | CRL     |
| Fluoride                   | < 0.750  | 0.750              | mg/L     |                      | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 17:45 | EPA 300.0    | CRL     |
| Sulfate                    | 10.2     | 1.00               | mg/L     |                      | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 17:45 | EPA 300.0    | CRL     |
| Wet Chemistry              |          |                    |          |                      |          |         |              |               |              |         |
| рН                         | 7.70     |                    | pH Units | M_TTT                | 1        | BGE0166 | 5/7/21 11:47 | 5/7/21 15:11  | SM 4500-H+ B | CRL     |
| Total Dissolved Solids     | 422      | 25.0               | mg/L     |                      | 1        | BGE0177 | 5/10/21 8:59 | 5/10/21 8:59  | SM 2540C     | HSD     |
| Total Suspended Solids     | < 5.00   | 5.00               | mg/L     | M_K-06               | 1        | BGE0176 | 5/10/21 6:53 | 5/10/21 6:53  | SM 2540D     | HSD     |
| Total Metals by ICPMS      |          |                    |          |                      |          |         |              |               |              |         |
| Arsenic                    | 0.571    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Barium                     | 87.5     | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Beryllium                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Cadmium                    | < 0.100  | 0.100              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Cobalt                     | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Chromium                   | 1.31     | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Molybdenum                 | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Lead                       | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Antimony                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Selenium                   | 0.753    | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Thallium                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:15 | EPA 200.8    | CRL     |
| Total Metals by ICP        |          |                    |          |                      |          |         |              |               |              |         |
| Boron                      | < 0.0500 | 0.0500             | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:57 | EPA 200.7    | HRD     |
| Calcium                    | 103      | 2.00               | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:55 | EPA 200.7    | HRD     |
| Lithium                    | < 0.0150 | 0.0150             | mg/L     |                      | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 22:55 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

05/25/2021 09:16

### P-130

#### MGE0077-15 (Water) - Chain of Custody Number: Pace

| Analyte | l<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilutio | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|------------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                              |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                            | BGE0230  | 5/11/21 9:46 | 5/11/21 15:25 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

# P-151 MGE0077-16 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography | ,        |           |          |           |          |         |              |               |              |         |
| Chloride                     | 37.9     | 1.00      | mg/L     |           | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 18:05 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 18:05 | EPA 300.0    | CRL     |
| Sulfate                      | 27.1     | 1.00      | mg/L     |           | 1        | BGE0219 | 5/11/21 8:13 | 5/12/21 18:05 | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| рН                           | 8.04     |           | pH Units | M_TTT     | 1        | BGE0166 | 5/7/21 11:47 | 5/7/21 15:18  | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 328      | 25.0      | mg/L     |           | 1        | BGE0177 | 5/10/21 8:59 | 5/10/21 8:59  | SM 2540C     | HSD     |
| Total Suspended Solids       | 17.4     | 5.00      | mg/L     |           | 1        | BGE0176 | 5/10/21 6:53 | 5/10/21 6:53  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.553    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Barium                       | 65.7     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Beryllium                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Cadmium                      | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Cobalt                       | 2.64     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Chromium                     | 2.82     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Molybdenum                   | 1.63     | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Lead                         | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Antimony                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Selenium                     | 0.954    | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Thallium                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0183 | 5/10/21 7:49 | 5/11/21 10:19 | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 23:03 | EPA 200.7    | HRD     |
| Calcium                      | 77.3     | 2.00      | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 23:00 | EPA 200.7    | HRD     |
| Lithium                      | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0182 | 5/10/21 7:46 | 5/14/21 23:00 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

# P-151 MGE0077-16 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilutio | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|------------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                              |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                            | BGE0230  | 5/11/21 9:46 | 5/11/21 15:27 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

## P-162 MGE0077-20 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |          |           |          |           |          |         |              |               |              |         |
| Chloride                     | 29.3     | 1.00      | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 9:59  | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 9:59  | EPA 300.0    | CRL     |
| Sulfate                      | 126      | 1.00      | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 9:59  | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| pH                           | 8.08     |           | pH Units | M_TTT     | 1        | BGE0166 | 5/7/21 11:47 | 5/7/21 15:46  | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 594      | 25.0      | mg/L     |           | 1        | BGE0199 | 5/11/21 8:55 | 5/11/21 8:55  | SM 2540C     | HSD     |
| Total Suspended Solids       | 10.8     | 5.00      | mg/L     |           | 1        | BGE0198 | 5/11/21 6:47 | 5/11/21 6:47  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.671    | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Barium                       | 51.4     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Beryllium                    | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Cadmium                      | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Cobalt                       | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Chromium                     | 8.82     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Molybdenum                   | 2.48     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Lead                         | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Antimony                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Selenium                     | 6.44     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Thallium                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:15  | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | 0.226    | 0.0500    | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:15 | EPA 200.7    | HRD     |
| Calcium                      | 94.1     | 1.50      | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:13 | EPA 200.7    | HRD     |
| Lithium                      | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:13 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

# P-162 MGE0077-20 (Water) - Chain of Custody Number: Pace

| Analyte | l<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Diluti | on Batch | Prepared     | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-----------------------------|----------|--------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                             |          |              |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                           | BGE0230  | 5/11/21 9:46 | 5/11/21 15:34 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

P-163
MGE0077-21 (Water) - Chain of Custody Number: Pace

|                             |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|-----------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                     | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatograph | у        |           |          |           |          |         |              |               |              |         |
| Chloride                    | 29.5     | 1.00      | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 10:19 | EPA 300.0    | CRL     |
| Fluoride                    | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 10:19 | EPA 300.0    | CRL     |
| Sulfate                     | 70.1     | 1.00      | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 10:19 | EPA 300.0    | CRL     |
| Wet Chemistry               |          |           |          |           |          |         |              |               |              |         |
| рН                          | 8.12     |           | pH Units | M_TTT     | 1        | BGE0166 | 5/7/21 11:47 | 5/7/21 15:53  | SM 4500-H+ B | CRL     |
| Total Dissolved Solids      | 372      | 25.0      | mg/L     |           | 1        | BGE0199 | 5/11/21 8:55 | 5/11/21 8:55  | SM 2540C     | HSD     |
| Total Suspended Solids      | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGE0198 | 5/11/21 6:47 | 5/11/21 6:47  | SM 2540D     | HSD     |
| Total Metals by ICPMS       |          |           |          |           |          |         |              |               |              |         |
| Arsenic                     | 0.503    | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Barium                      | 34.2     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Beryllium                   | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Cadmium                     | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Cobalt                      | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Chromium                    | 8.31     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Molybdenum                  | 0.631    | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Lead                        | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Antimony                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Selenium                    | 7.07     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Thallium                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:19  | EPA 200.8    | CRL     |
| Total Metals by ICP         |          |           |          |           |          |         |              |               |              |         |
| Boron                       | 0.122    | 0.0500    | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:20 | EPA 200.7    | HRD     |
| Calcium                     | 80.3     | 1.50      | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:19 | EPA 200.7    | HRD     |
| Lithium                     | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:19 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

# P-163 MGE0077-21 (Water) - Chain of Custody Number: Pace

| Analyte | Result  | Reporting<br>Limit | Units | Analyte<br>Qualifier Dil | lution | Batch   | Prepared      | Analyzed      | Method          | Analyst |
|---------|---------|--------------------|-------|--------------------------|--------|---------|---------------|---------------|-----------------|---------|
| Mercury |         |                    |       |                          |        |         |               |               |                 |         |
| Mercury | < 0.200 | 0.200              | ua/l  |                          | 1      | BGE0404 | 5/17/21 18:06 | 5/18/21 10:58 | EDA 245 1/7470A | HDD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

# P-164 MGE0077-22 (Water) - Chain of Custody Number: Pace

| Analyte                   | Result   | Reporting<br>Limit | Units    | Analyte<br>Qualifier | Dilution | ı Batch | Prepared     | Analyzed      | Method       | Analyst |
|---------------------------|----------|--------------------|----------|----------------------|----------|---------|--------------|---------------|--------------|---------|
| Anions by Ion Chromatogra | phy      |                    |          |                      |          |         |              |               |              |         |
| Chloride                  | 10.0     | 1.00               | mg/L     |                      | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 10:40 | EPA 300.0    | CRL     |
| Fluoride                  | < 0.750  | 0.750              | mg/L     |                      | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 10:40 | EPA 300.0    | CRL     |
| Sulfate                   | 42.4     | 1.00               | mg/L     |                      | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 10:40 | EPA 300.0    | CRL     |
| Wet Chemistry             |          |                    |          |                      |          |         |              |               |              |         |
| рН                        | 8.16     |                    | pH Units | M_TTT                | 1        | BGE0166 | 5/7/21 11:47 | 5/7/21 16:07  | SM 4500-H+ B | CRL     |
| Total Dissolved Solids    | 344      | 25.0               | mg/L     |                      | 1        | BGE0199 | 5/11/21 8:55 | 5/11/21 8:55  | SM 2540C     | HSD     |
| Total Suspended Solids    | < 5.00   | 5.00               | mg/L     | M_K-06               | 1        | BGE0198 | 5/11/21 6:47 | 5/11/21 6:47  | SM 2540D     | HSD     |
| Total Metals by ICPMS     |          |                    |          |                      |          |         |              |               |              |         |
| Arsenic                   | 0.535    | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Barium                    | 44.4     | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Beryllium                 | < 0.100  | 0.100              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Cadmium                   | < 0.100  | 0.100              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Cobalt                    | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Chromium                  | 10.2     | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Molybdenum                | 0.585    | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Lead                      | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Antimony                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Selenium                  | 4.05     | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Thallium                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:23  | EPA 200.8    | CRL     |
| Total Metals by ICP       |          |                    |          |                      |          |         |              |               |              |         |
| Boron                     | 0.0689   | 0.0500             | mg/L     |                      | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:25 | EPA 200.7    | HRD     |
| Calcium                   | 73.9     | 1.50               | mg/L     |                      | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:24 | EPA 200.7    | HRD     |
| Lithium                   | < 0.0150 | 0.0150             | mg/L     |                      | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:24 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

05/25/2021 09:16

### P-164

### MGE0077-22 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilution | on Batch | Prepared      | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-------------------------------|----------|---------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                               |          |               |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                             | BGE0404  | 5/17/21 18:06 | 5/18/21 20:00 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### P-165 MGE0077-23 (Water) - Chain of Custody Number: Pace

|                             |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|-----------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                     | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatograph | ıy       |           |          |           |          |         |              |               |              |         |
| Chloride                    | 8.61     | 1.00      | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 11:00 | EPA 300.0    | CRL     |
| Fluoride                    | < 0.750  | 0.750     | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 11:00 | EPA 300.0    | CRL     |
| Sulfate                     | 36.5     | 1.00      | mg/L     |           | 1        | BGE0276 | 5/12/21 8:05 | 5/13/21 11:00 | EPA 300.0    | CRL     |
| Wet Chemistry               |          |           |          |           |          |         |              |               |              |         |
| рН                          | 8.04     |           | pH Units | M_TTT     | 1        | BGE0166 | 5/7/21 11:47 | 5/7/21 16:14  | SM 4500-H+ B | CRL     |
| Total Dissolved Solids      | 338      | 25.0      | mg/L     |           | 1        | BGE0199 | 5/11/21 8:55 | 5/11/21 8:55  | SM 2540C     | HSD     |
| Total Suspended Solids      | 134      | 12.5      | mg/L     |           | 1        | BGE0198 | 5/11/21 6:47 | 5/11/21 6:47  | SM 2540D     | HSD     |
| Total Metals by ICPMS       |          |           |          |           |          |         |              |               |              |         |
| Arsenic                     | 2.03     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Barium                      | 78.8     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Beryllium                   | 0.150    | 0.100     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Cadmium                     | < 0.100  | 0.100     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Cobalt                      | 16.5     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Chromium                    | 34.6     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Molybdenum                  | 3.88     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Lead                        | 1.98     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Antimony                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Selenium                    | 1.40     | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Thallium                    | < 0.500  | 0.500     | ug/L     |           | 1        | BGE0217 | 5/11/21 7:36 | 5/12/21 8:34  | EPA 200.8    | CRL     |
| Total Metals by ICP         |          |           |          |           |          |         |              |               |              |         |
| Boron                       | 0.0847   | 0.0500    | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:30 | EPA 200.7    | HRD     |
| Calcium                     | 96.0     | 1.50      | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:29 | EPA 200.7    | HRD     |
| Lithium                     | < 0.0150 | 0.0150    | mg/L     |           | 1        | BGE0216 | 5/11/21 7:35 | 5/16/21 11:29 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

### P-165

### MGE0077-23 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilution | n Batch | Prepared      | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-------------------------------|---------|---------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                               |         |               |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                             | BGE0404 | 5/17/21 18:06 | 5/18/21 20:02 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

| Analyte                  | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|--------------------------|---------|--------------------|-------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch BGE0084 - Wet Prep |         |                    |       |                |                  |            |                |       |              |       |
| Blank (BGE0084-BLK1)     |         |                    |       | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021   |              |       |
| Chloride                 | <1.00   | 1.00               | mg/L  |                |                  |            |                |       |              |       |
| Fluoride                 | < 0.750 | 0.750              | mg/L  |                |                  |            |                |       |              |       |
| Sulfate                  | <1.00   | 1.00               | mg/L  |                |                  |            |                |       |              |       |
| Blank (BGE0084-BLK2)     |         |                    |       | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021   |              |       |
| Chloride                 | <1.00   | 1.00               | mg/L  |                |                  |            |                |       |              |       |
| Fluoride                 | <0.750  | 0.750              | mg/L  |                |                  |            |                |       |              |       |
| Sulfate                  | <1.00   | 1.00               | mg/L  |                |                  |            |                |       |              |       |
| LCS (BGE0084-BS1)        |         |                    |       | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021   |              |       |
| Chloride                 | 24.952  | 1.00               | mg/L  | 25.000         |                  | 99.8       | 90-110         |       |              |       |
| Fluoride                 | 2.6800  | 0.750              | mg/L  | 2.5000         |                  | 107        | 90-110         |       |              |       |
| Sulfate                  | 24.955  | 1.00               | mg/L  | 25.000         |                  | 99.8       | 90-110         |       |              |       |
| LCS (BGE0084-BS2)        |         |                    |       | Prepared:      | 05/05/202        | 21 Analyze | d: 05/10/2     | 021   |              |       |
| Chloride                 | 25.453  | 1.00               | mg/L  | 25.000         |                  | 102        | 90-110         |       |              |       |
| Fluoride                 | 2.6760  | 0.750              | mg/L  | 2.5000         |                  | 107        | 90-110         |       |              |       |
| Sulfate                  | 25.969  | 1.00               | mg/L  | 25.000         |                  | 104        | 90-110         |       |              |       |
| LCS (BGE0084-BS3)        |         |                    |       | Prepared:      | 05/05/202        | 21 Analyze | d: 05/11/2     | 021   |              |       |
| Chloride                 | 25.189  | 1.00               | mg/L  | 25.000         |                  | 101        | 90-110         |       |              |       |
| Fluoride                 | 2.6120  | 0.750              | mg/L  | 2.5000         |                  | 104        | 90-110         |       |              |       |
| Sulfate                  | 25.567  | 1.00               | mg/L  | 25.000         |                  | 102        | 90-110         |       |              |       |
| Duplicate (BGE0084-DUP1) | So      | urce: MGE002       | 27-01 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021   |              |       |
| Chloride                 | 12.551  | 1.00               | mg/L  |                | 12.753           |            |                | 1.60  | 20           |       |
| Fluoride                 | <0.750  | 0.750              | mg/L  |                | <0.750           |            |                |       | 20           |       |
| Sulfate                  | 8.8390  | 1.00               | mg/L  |                | 8.8860           |            |                | 0.530 | 20           |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

| Analyte                         | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD    | RPD<br>Limit | Notes  |
|---------------------------------|---------|--------------------|-------|----------------|------------------|------------|----------------|--------|--------------|--------|
| •                               | rtodut  | Liiiik             |       | 20101          | rtocan           | 701120     | Limito         | 111111 |              | 110100 |
| Batch BGE0084 - Wet Prep        |         |                    |       |                |                  |            |                |        |              |        |
| Duplicate (BGE0084-DUP2)        | Sou     | rce: MGE00         | 50-01 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021    |              |        |
| Chloride                        | 9.5020  | 1.00               | mg/L  |                | 9.6600           |            |                | 1.65   | 20           |        |
| Fluoride                        | < 0.750 | 0.750              | mg/L  |                | < 0.750          |            |                |        | 20           |        |
| Sulfate                         | 6.8450  | 1.00               | mg/L  |                | 6.9480           |            |                | 1.49   | 20           |        |
| Matrix Spike (BGE0084-MS1)      | Sou     | rce: MGE002        | 27-01 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021    |              |        |
| Chloride                        | 43.331  | 1.25               | mg/L  | 31.250         | 12.753           | 97.9       | 90-110         |        |              |        |
| Fluoride                        | 3.3663  | 0.938              | mg/L  | 3.1250         | <0.938           | 108        | 90-110         |        |              |        |
| Sulfate                         | 40.134  | 1.25               | mg/L  | 31.250         | 8.8860           | 100        | 90-110         |        |              |        |
| Matrix Spike (BGE0084-MS2)      | Sou     | rce: MGE005        | 50-01 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021    |              |        |
| Chloride                        | 41.474  | 1.25               | mg/L  | 31.250         | 9.6600           | 102        | 90-110         |        |              |        |
| Fluoride                        | 3.4763  | 0.938              | mg/L  | 3.1250         | <0.938           | 111        | 90-110         |        |              | M_MS   |
| Sulfate                         | 39.318  | 1.25               | mg/L  | 31.250         | 6.9480           | 104        | 90-110         |        |              |        |
| Matrix Spike Dup (BGE0084-MSD1) | Sou     | rce: MGE002        | 27-01 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021    |              |        |
| Chloride                        | 43.744  | 1.25               | mg/L  | 31.250         | 12.753           | 99.2       | 90-110         | 0.947  | 20           |        |
| Fluoride                        | 3.4138  | 0.938              | mg/L  | 3.1250         | <0.938           | 109        | 90-110         | 1.40   | 20           |        |
| Sulfate                         | 40.643  | 1.25               | mg/L  | 31.250         | 8.8860           | 102        | 90-110         | 1.26   | 20           |        |
| Matrix Spike Dup (BGE0084-MSD2) | Sou     | rce: MGE00         | 50-01 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/10/2    | 021    |              |        |
| Chloride                        | 40.963  | 1.25               | mg/L  | 31.250         | 9.6600           | 100        | 90-110         | 1.24   | 20           |        |
| Fluoride                        | 3.3913  | 0.938              | mg/L  | 3.1250         | <0.938           | 109        | 90-110         | 2.48   | 20           |        |
| Sulfate                         | 38.885  | 1.25               | mg/L  | 31.250         | 6.9480           | 102        | 90-110         | 1.11   | 20           |        |
| Batch BGE0090 - Wet Prep        |         |                    |       |                |                  |            |                |        |              |        |
| Blank (BGE0090-BLK1)            |         |                    |       | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/11/2    | 021    |              |        |
| Chloride                        | <1.00   | 1.00               | mg/L  |                |                  |            |                |        |              |        |
| Fluoride                        | <0.750  | 0.750              | mg/L  |                |                  |            |                |        |              |        |
| Sulfate                         | <1.00   | 1.00               | mg/L  |                |                  |            |                |        |              |        |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

|                          |        | Reporting  |       | Spike     | Source    |            | %REC        |       | RPD   |       |
|--------------------------|--------|------------|-------|-----------|-----------|------------|-------------|-------|-------|-------|
| Analyte                  | Result | Limit      | Units | Level     | Result    | %REC       | Limits      | RPD   | Limit | Notes |
| Batch BGE0090 - Wet Prep |        |            |       |           |           |            |             |       |       |       |
| Blank (BGE0090-BLK2)     |        |            |       | Prepared: | 05/05/202 | 21 Analyze | ed: 05/11/2 | 021   |       |       |
| Chloride                 | <1.00  | 1.00       | mg/L  |           |           |            |             |       |       |       |
| Fluoride                 | <0.750 | 0.750      | mg/L  |           |           |            |             |       |       |       |
| Sulfate                  | <1.00  | 1.00       | mg/L  |           |           |            |             |       |       |       |
| LCS (BGE0090-BS1)        |        |            |       | Prepared: | 05/05/202 | 21 Analyze | ed: 05/11/2 | 021   |       |       |
| Chloride                 | 25.362 | 1.00       | mg/L  | 25.000    |           | 101        | 90-110      |       |       |       |
| Fluoride                 | 2.6490 | 0.750      | mg/L  | 2.5000    |           | 106        | 90-110      |       |       |       |
| Sulfate                  | 25.576 | 1.00       | mg/L  | 25.000    |           | 102        | 90-110      |       |       |       |
| LCS (BGE0090-BS2)        |        |            |       | Prepared: | 05/05/202 | 21 Analyze | ed: 05/11/2 | 021   |       |       |
| Chloride                 | 24.694 | 1.00       | mg/L  | 25.000    |           | 98.8       | 90-110      |       |       |       |
| Fluoride                 | 2.6520 | 0.750      | mg/L  | 2.5000    |           | 106        | 90-110      |       |       |       |
| Sulfate                  | 25.199 | 1.00       | mg/L  | 25.000    |           | 101        | 90-110      |       |       |       |
| LCS (BGE0090-BS3)        |        |            |       | Prepared: | 05/05/202 | 21 Analyze | ed: 05/11/2 | 021   |       |       |
| Chloride                 | 24.439 | 1.00       | mg/L  | 25.000    |           | 97.8       | 90-110      |       |       |       |
| Fluoride                 | 2.5690 | 0.750      | mg/L  | 2.5000    |           | 103        | 90-110      |       |       |       |
| Sulfate                  | 24.772 | 1.00       | mg/L  | 25.000    |           | 99.1       | 90-110      |       |       |       |
| Duplicate (BGE0090-DUP1) | Sour   | ce: MGE005 | 52-19 | Prepared: | 05/05/202 | 21 Analyze | ed: 05/11/2 | 021   |       |       |
| Chloride                 | 16.321 | 1.00       | mg/L  |           | 16.472    |            |             | 0.921 | 20    |       |
| Fluoride                 | <0.750 | 0.750      | mg/L  |           | <0.750    |            |             |       | 20    |       |
| Sulfate                  | 58.237 | 1.00       | mg/L  |           | 59.124    |            |             | 1.51  | 20    |       |
| Duplicate (BGE0090-DUP2) | Sour   | ce: MGE005 | 52-20 | Prepared: | 05/05/202 | 21 Analyze | ed: 05/11/2 | 021   |       |       |
| Chloride                 | 11.942 | 1.00       | mg/L  |           | 11.901    |            |             | 0.344 | 20    |       |
| Fluoride                 | <0.750 | 0.750      | mg/L  |           | <0.750    |            |             |       | 20    |       |
| Sulfate                  | 24.609 | 1.00       | mg/L  |           | 24.734    |            |             | 0.507 | 20    |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

| Analyte                         | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD    | RPD<br>Limit | Notes    |
|---------------------------------|---------|--------------------|-------|----------------|------------------|------------|----------------|--------|--------------|----------|
| Batch BGE0090 - Wet Prep        |         |                    |       |                |                  |            |                |        |              |          |
| Matrix Spike (BGE0090-MS1)      | Sou     | ırce: MGE00        | 52-19 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/11/2    | 2021   |              |          |
| Chloride                        | 47.546  | 1.25               | mg/L  | 31.250         | 16.472           | 99.4       | 90-110         |        |              |          |
| Fluoride                        | 3.0950  | 0.938              | mg/L  | 3.1250         | <0.938           | 99.0       | 90-110         |        |              |          |
| Sulfate                         | 90.181  | 1.25               | mg/L  | 31.250         | 59.124           | 99.4       | 90-110         |        |              |          |
| Matrix Spike (BGE0090-MS2)      | Sou     | ırce: MGE00        | 52-20 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/11/2    | 2021   |              |          |
| Chloride                        | 42.733  | 1.25               | mg/L  | 31.250         | 11.901           | 98.7       | 90-110         |        |              |          |
| Fluoride                        | 3.2038  | 0.938              | mg/L  | 3.1250         | <0.938           | 103        | 90-110         |        |              |          |
| Sulfate                         | 56.209  | 1.25               | mg/L  | 31.250         | 24.734           | 101        | 90-110         |        |              |          |
| Matrix Spike Dup (BGE0090-MSD1) | Sou     | ırce: MGE00        | 52-19 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/11/2    | 2021   |              |          |
| Chloride                        | 47.755  | 1.25               | mg/L  | 31.250         | 16.472           | 100        | 90-110         | 0.438  | 20           |          |
| Fluoride                        | 3.4163  | 0.938              | mg/L  | 3.1250         | <0.938           | 109        | 90-110         | 9.87   | 20           |          |
| Sulfate                         | 90.384  | 1.25               | mg/L  | 31.250         | 59.124           | 100        | 90-110         | 0.224  | 20           |          |
| Matrix Spike Dup (BGE0090-MSD2) | Sou     | ırce: MGE00        | 52-20 | Prepared:      | 05/05/202        | 21 Analyze | ed: 05/11/2    | 2021   |              |          |
| Chloride                        | 42.873  | 1.25               | mg/L  | 31.250         | 11.901           | 99.1       | 90-110         | 0.327  | 20           |          |
| Fluoride                        | 3.4025  | 0.938              | mg/L  | 3.1250         | <0.938           | 109        | 90-110         | 6.02   | 20           |          |
| Sulfate                         | 56.255  | 1.25               | mg/L  | 31.250         | 24.734           | 101        | 90-110         | 0.0822 | 20           |          |
| Batch BGE0219 - Wet Prep        |         |                    |       |                |                  |            |                |        |              |          |
| Blank (BGE0219-BLK1)            |         |                    |       | Prepared:      | 05/11/202        | 21 Analyze | ed: 05/12/2    | 2021   |              |          |
| Chloride                        | <1.00   | 1.00               | mg/L  |                |                  |            |                |        |              |          |
| Fluoride                        | < 0.750 | 0.750              | mg/L  |                |                  |            |                |        |              |          |
| Sulfate                         | <1.00   | 1.00               | mg/L  |                |                  |            |                |        |              |          |
| Blank (BGE0219-BLK2)            |         |                    |       | Prepared:      | 05/11/202        | 21 Analyze | d: 05/12/2     | 2021   |              |          |
| Chloride                        | <1.00   | 1.00               | mg/L  |                |                  |            |                |        | <u> </u>     | <u> </u> |
| Fluoride                        | <0.750  | 0.750              | mg/L  |                |                  |            |                |        |              |          |
| Sulfate                         | <1.00   | 1.00               | mg/L  |                |                  |            |                |        |              |          |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

|                            |        | Reporting   |       | Spike     | Source    |            | %REC        |       | RPD   |       |
|----------------------------|--------|-------------|-------|-----------|-----------|------------|-------------|-------|-------|-------|
| Analyte                    | Result | Limit       | Units | Level     | Result    | %REC       | Limits      | RPD   | Limit | Notes |
| Batch BGE0219 - Wet Prep   |        |             |       |           |           |            |             |       |       |       |
| LCS (BGE0219-BS1)          |        |             |       | Prepared: | 05/11/202 | 21 Analyze | ed: 05/12/2 | 021   |       |       |
| Chloride                   | 25.694 | 1.00        | mg/L  | 25.000    |           | 103        | 90-110      |       |       |       |
| Fluoride                   | 2.6290 | 0.750       | mg/L  | 2.5000    |           | 105        | 90-110      |       |       |       |
| Sulfate                    | 25.881 | 1.00        | mg/L  | 25.000    |           | 104        | 90-110      |       |       |       |
| LCS (BGE0219-BS2)          |        |             |       | Prepared: | 05/11/202 | 1 Analyze  | ed: 05/12/2 | 021   |       |       |
| Chloride                   | 25.749 | 1.00        | mg/L  | 25.000    |           | 103        | 90-110      |       |       |       |
| Fluoride                   | 2.6840 | 0.750       | mg/L  | 2.5000    |           | 107        | 90-110      |       |       |       |
| Sulfate                    | 26.122 | 1.00        | mg/L  | 25.000    |           | 104        | 90-110      |       |       |       |
| LCS (BGE0219-BS3)          |        |             |       | Prepared: | 05/11/202 | 1 Analyze  | ed: 05/12/2 | 021   |       |       |
| Chloride                   | 25.577 | 1.00        | mg/L  | 25.000    |           | 102        | 90-110      |       |       |       |
| Fluoride                   | 2.6300 | 0.750       | mg/L  | 2.5000    |           | 105        | 90-110      |       |       |       |
| Sulfate                    | 25.977 | 1.00        | mg/L  | 25.000    |           | 104        | 90-110      |       |       |       |
| Duplicate (BGE0219-DUP1)   | Sou    | rce: MGE007 | 77-04 | Prepared: | 05/11/202 | 1 Analyze  | ed: 05/12/2 | 021   |       |       |
| Chloride                   | 14.815 | 1.00        | mg/L  |           | 14.863    |            |             | 0.323 | 20    |       |
| Fluoride                   | <0.750 | 0.750       | mg/L  |           | <0.750    |            |             |       | 20    |       |
| Sulfate                    | 120.40 | 1.00        | mg/L  |           | 120.94    |            |             | 0.446 | 20    |       |
| Duplicate (BGE0219-DUP2)   | Sou    | rce: MGE007 | 77-05 | Prepared: | 05/11/202 | 1 Analyze  | ed: 05/12/2 | 021   |       |       |
| Chloride                   | 36.292 | 1.00        | mg/L  |           | 36.173    |            |             | 0.328 | 20    |       |
| Fluoride                   | <0.750 | 0.750       | mg/L  |           | <0.750    |            |             |       | 20    |       |
| Sulfate                    | 89.959 | 1.00        | mg/L  |           | 89.638    |            |             | 0.357 | 20    |       |
| Matrix Spike (BGE0219-MS1) | Sou    | rce: MGE007 | 77-04 | Prepared: | 05/11/202 | 21 Analyze | ed: 05/12/2 | 021   |       |       |
| Chloride                   | 45.811 | 1.25        | mg/L  | 31.250    | 14.863    | 99.0       | 90-110      |       |       |       |
| Fluoride                   | 3.0163 | 0.938       | mg/L  | 3.1250    | <0.938    | 96.5       | 90-110      |       |       |       |
| Sulfate                    | 152.40 | 1.25        | mg/L  | 31.250    | 120.94    | 101        | 90-110      |       |       |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

| Analyte                         | Result  | Reporting<br>Limit | Units  | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD      | RPD<br>Limit | Notes  |
|---------------------------------|---------|--------------------|--------|----------------|------------------|------------|----------------|----------|--------------|--------|
| •                               | rtosuit | L                  | 011113 | LOVOI          | - TOGUIL         | 701 CLO    | Lillito        |          | Liiiii       | 140103 |
| Batch BGE0219 - Wet Prep        |         |                    |        |                |                  |            |                |          |              |        |
| Matrix Spike (BGE0219-MS2)      | Sour    | ce: MGE007         | 77-05  | Prepared:      | 05/11/202        | 1 Analyze  | ed: 05/12/2    | .021     |              |        |
| Chloride                        | 67.411  | 1.25               | mg/L   | 31.250         | 36.173           | 100        | 90-110         |          |              |        |
| Fluoride                        | 3.2563  | 0.938              | mg/L   | 3.1250         | <0.938           | 104        | 90-110         |          |              |        |
| Sulfate                         | 121.11  | 1.25               | mg/L   | 31.250         | 89.638           | 101        | 90-110         |          |              |        |
| Matrix Spike Dup (BGE0219-MSD1) | Sour    | ce: MGE007         | 77-04  | Prepared:      | 05/11/202        | 21 Analyze | ed: 05/12/2    | .021     |              |        |
| Chloride                        | 46.596  | 1.25               | mg/L   | 31.250         | 14.863           | 102        | 90-110         | 1.70     | 20           |        |
| Fluoride                        | 3.3625  | 0.938              | mg/L   | 3.1250         | <0.938           | 108        | 90-110         | 10.9     | 20           |        |
| Sulfate                         | 152.48  | 1.25               | mg/L   | 31.250         | 120.94           | 101        | 90-110         | 0.0558   | 20           |        |
| Matrix Spike Dup (BGE0219-MSD2) | Sour    | ce: MGE007         | 77-05  | Prepared:      | 05/11/202        | 21 Analyze | ed: 05/12/2    | .021     |              |        |
| Chloride                        | 67.118  | 1.25               | mg/L   | 31.250         | 36.173           | 99.0       | 90-110         | 0.437    | 20           |        |
| Fluoride                        | 3.3075  | 0.938              | mg/L   | 3.1250         | <0.938           | 106        | 90-110         | 1.56     | 20           |        |
| Sulfate                         | 120.24  | 1.25               | mg/L   | 31.250         | 89.638           | 97.9       | 90-110         | 0.727    | 20           |        |
| Batch BGE0276 - Wet Prep        |         |                    |        |                |                  |            |                |          |              |        |
| Blank (BGE0276-BLK1)            |         |                    |        | Prepared:      | 05/12/202        | 21 Analyze | ed: 05/13/2    | 2021     |              |        |
| Chloride                        | <1.00   | 1.00               | mg/L   |                |                  |            |                |          |              |        |
| Fluoride                        | <0.750  | 0.750              | mg/L   |                |                  |            |                |          |              |        |
| Sulfate                         | <1.00   | 1.00               | mg/L   |                |                  |            |                |          |              |        |
| Blank (BGE0276-BLK2)            |         |                    |        | Prepared:      | 05/12/202        | 21 Analyze | ed: 05/13/2    | 2021     |              |        |
| Chloride                        | <1.00   | 1.00               | mg/L   |                |                  |            |                | <u> </u> |              |        |
| Fluoride                        | <0.750  | 0.750              | mg/L   |                |                  |            |                |          |              |        |
| Sulfate                         | <1.00   | 1.00               | mg/L   |                |                  |            |                |          |              |        |
| LCS (BGE0276-BS1)               |         |                    |        | Prepared:      | 05/12/202        | 21 Analyze | ed: 05/13/2    | 2021     |              |        |
| Chloride                        | 25.516  | 1.00               | mg/L   | 25.000         |                  | 102        | 90-110         |          |              |        |
| Fluoride                        | 2.5640  | 0.750              | mg/L   | 2.5000         |                  | 103        | 90-110         |          |              |        |
| Sulfate                         | 25.621  | 1.00               | mg/L   | 25.000         |                  | 102        | 90-110         |          |              |        |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

| Analyte                    | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC      | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|----------------------------|---------|--------------------|-------|----------------|------------------|-----------|----------------|-------|--------------|-------|
| Batch BGE0276 - Wet Prep   |         |                    |       |                |                  |           |                |       |              |       |
| LCS (BGE0276-BS2)          |         |                    |       | Prepared:      | 05/12/202        | 1 Analyze | ed: 05/13/2    | 021   |              |       |
| Chloride                   | 25.482  | 1.00               | mg/L  | 25.000         |                  | 102       | 90-110         |       |              |       |
| Fluoride                   | 2.6830  | 0.750              | mg/L  | 2.5000         |                  | 107       | 90-110         |       |              |       |
| Sulfate                    | 25.908  | 1.00               | mg/L  | 25.000         |                  | 104       | 90-110         |       |              |       |
| LCS (BGE0276-BS3)          |         |                    |       | Prepared:      | 05/12/202        | 1 Analyze | ed: 05/13/2    | 021   |              |       |
| Chloride                   | 25.461  | 1.00               | mg/L  | 25.000         |                  | 102       | 90-110         |       |              |       |
| Fluoride                   | 2.6430  | 0.750              | mg/L  | 2.5000         |                  | 106       | 90-110         |       |              |       |
| Sulfate                    | 25.664  | 1.00               | mg/L  | 25.000         |                  | 103       | 90-110         |       |              |       |
| Duplicate (BGE0276-DUP1)   | Soi     | urce: MGE007       | 77-18 | Prepared:      | 05/12/202        | 1 Analyze | ed: 05/13/2    | 021   |              |       |
| Chloride                   | 3.9280  | 1.00               | mg/L  |                | 3.9370           |           |                | 0.229 | 20           |       |
| Fluoride                   | < 0.750 | 0.750              | mg/L  |                | < 0.750          |           |                |       | 20           |       |
| Sulfate                    | 38.517  | 1.00               | mg/L  |                | 38.597           |           |                | 0.207 | 20           |       |
| Duplicate (BGE0276-DUP2)   | Soi     | urce: MGE007       | 77-19 | Prepared:      | 05/12/202        | 1 Analyze | ed: 05/13/2    | 021   |              |       |
| Chloride                   | 4.6080  | 1.00               | mg/L  |                | 4.6800           |           |                | 1.55  | 20           |       |
| Fluoride                   | <0.750  | 0.750              | mg/L  |                | <0.750           |           |                |       | 20           |       |
| Sulfate                    | 60.342  | 1.00               | mg/L  |                | 60.783           |           |                | 0.728 | 20           |       |
| Matrix Spike (BGE0276-MS1) | Soi     | urce: MGE007       | 77-18 | Prepared:      | 05/12/202        | 1 Analyze | ed: 05/13/2    | 021   |              |       |
| Chloride                   | 34.561  | 1.25               | mg/L  | 31.250         | 3.9370           | 98.0      | 90-110         |       |              |       |
| Fluoride                   | 2.9413  | 0.938              | mg/L  | 3.1250         | <0.938           | 94.1      | 90-110         |       |              |       |
| Sulfate                    | 69.708  | 1.25               | mg/L  | 31.250         | 38.597           | 99.6      | 90-110         |       |              |       |
| Matrix Spike (BGE0276-MS2) | Soi     | urce: MGE007       | 77-19 | Prepared:      | 05/12/202        | 1 Analyze | ed: 05/13/2    | 021   |              |       |
| Chloride                   | 36.119  | 1.25               | mg/L  | 31.250         | 4.6800           | 101       | 90-110         |       |              |       |
| Fluoride                   | 3.2013  | 0.938              | mg/L  | 3.1250         | <0.938           | 102       | 90-110         |       |              |       |
| Sulfate                    | 91.926  | 1.25               | mg/L  | 31.250         | 60.783           | 99.7      | 90-110         |       |              |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

|                                 |        | Reporting  |       | Spike     | Source    |            | %REC        |         | RPD   |       |
|---------------------------------|--------|------------|-------|-----------|-----------|------------|-------------|---------|-------|-------|
| Analyte                         | Result | Limit      | Units | Level     | Result    | %REC       | Limits      | RPD     | Limit | Notes |
| Batch BGE0276 - Wet Prep        |        |            |       |           |           |            |             |         |       |       |
| Matrix Spike Dup (BGE0276-MSD1) | Sour   | ce: MGE007 | 77-18 | Prepared: | 05/12/202 | 21 Analyze | ed: 05/13/2 | 2021    |       |       |
| Chloride                        | 34.850 | 1.25       | mg/L  | 31.250    | 3.9370    | 98.9       | 90-110      | 0.832   | 20    |       |
| Fluoride                        | 3.2950 | 0.938      | mg/L  | 3.1250    | <0.938    | 105        | 90-110      | 11.3    | 20    |       |
| Sulfate                         | 69.993 | 1.25       | mg/L  | 31.250    | 38.597    | 100        | 90-110      | 0.408   | 20    |       |
| Matrix Spike Dup (BGE0276-MSD2) | Sour   | ce: MGE007 | 77-19 | Prepared: | 05/12/202 | 21 Analyze | ed: 05/13/2 | 2021    |       |       |
| Chloride                        | 35.874 | 1.25       | mg/L  | 31.250    | 4.6800    | 99.8       | 90-110      | 0.681   | 20    |       |
| Fluoride                        | 3.3475 | 0.938      | mg/L  | 3.1250    | <0.938    | 107        | 90-110      | 4.47    | 20    |       |
| Sulfate                         | 91.925 | 1.25       | mg/L  | 31.250    | 60.783    | 99.7       | 90-110      | 0.00135 | 20    |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

| Analyte                  | Result | Reporting<br>Limit | Units    | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|--------------------------|--------|--------------------|----------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch BGE0082 - Wet Prep |        |                    |          |                |                  |            |                |       |              |       |
| LCS (BGE0082-BS1)        |        |                    |          | Prepared       | & Analyze        | d: 05/05/2 | :021           |       |              |       |
| рН                       | 7.0800 |                    | pH Units | 7.0000         |                  | 101        | 90-110         |       |              |       |
| LCS (BGE0082-BS2)        |        |                    |          | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| рН                       | 7.0700 |                    | pH Units | 7.0000         |                  | 101        | 90-110         |       |              |       |
| Duplicate (BGE0082-DUP1) | Source | e: MGE005          | 52-01    | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| рН                       | 7.7300 |                    | pH Units |                | 7.7400           |            |                | 0.129 | 20           |       |
| Duplicate (BGE0082-DUP2) | Source | e: MGE005          | 52-11    | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| pH                       | 7.7000 |                    | pH Units | -              | 7.7200           |            |                | 0.259 | 20           |       |
| Duplicate (BGE0082-DUP3) | Source | e: MGE005          | 52-21    | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| pH                       | 7.8900 |                    | pH Units |                | 7.8900           |            |                | 0.00  | 20           |       |
| Duplicate (BGE0082-DUP4) | Source | e: MGE005          | 52-31    | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| рН                       | 7.8300 |                    | pH Units |                | 7.7800           |            |                | 0.641 | 20           |       |
| Batch BGE0085 - Wet Prep |        |                    |          |                |                  |            |                |       |              |       |
| Blank (BGE0085-BLK1)     |        |                    |          | Prepared       | & Analyze        | d: 05/05/2 | :021           |       |              |       |
| Total Suspended Solids   | <5.00  | 5.00               | mg/L     | •              |                  |            |                |       |              |       |
| LCS (BGE0085-BS1)        |        |                    |          | Prepared       | & Analyze        | d: 05/05/2 | :021           |       |              |       |
| Total Suspended Solids   | 90.000 | 5.00               | mg/L     | 104.10         |                  | 86.5       | 70-130         |       |              |       |
|                          |        |                    |          |                |                  |            |                |       |              |       |
| Duplicate (BGE0085-DUP1) | Source | e: MGE002          | 29-04    | Prepared       | & Analyze        | d: 05/05/2 | .021           |       |              |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

| Analyte                  | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|--------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch BGE0085 - Wet Prep |        |                    |       |                |                  |            |                |       |              |       |
| Duplicate (BGE0085-DUP2) | Sour   | ce: MGE00          | 52-01 | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| Total Suspended Solids   | 31.600 | 10.0               | mg/L  |                | 31.400           |            |                | 0.635 | 20           |       |
| Batch BGE0086 - Wet Prep |        |                    |       |                |                  |            |                |       |              |       |
| Blank (BGE0086-BLK1)     |        |                    |       | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| Total Dissolved Solids   | <25.0  | 25.0               | mg/L  |                |                  |            |                |       |              |       |
| LCS (BGE0086-BS1)        |        |                    |       | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| Total Dissolved Solids   | 108.00 | 25.0               | mg/L  | 100.10         |                  | 108        | 70-130         |       |              |       |
| Duplicate (BGE0086-DUP1) | Sour   | ce: MGE005         | 50-01 | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| Total Dissolved Solids   | 170.00 | 25.0               | mg/L  |                | 172.00           |            |                | 1.17  | 20           |       |
| Duplicate (BGE0086-DUP2) | Sour   | ce: MGE005         | 52-01 | Prepared       | & Analyze        | d: 05/05/2 | 021            |       |              |       |
| Total Dissolved Solids   | 214.00 | 25.0               | mg/L  |                | 214.00           |            |                | 0.00  | 20           |       |
| Batch BGE0101 - Wet Prep |        |                    |       |                |                  |            |                |       |              |       |
| Blank (BGE0101-BLK1)     |        |                    |       | Prepared       | & Analyze        | d: 05/06/2 | 021            |       |              |       |
| Total Suspended Solids   | <5.00  | 5.00               | mg/L  | -              | -                |            |                |       |              |       |
| LCS (BGE0101-BS1)        |        |                    |       | Prepared       | & Analyze        | d: 05/06/2 | 021            |       |              |       |
| Total Suspended Solids   | 94.000 | 5.00               | mg/L  | 104.10         |                  | 90.3       | 70-130         |       |              |       |
| Duplicate (BGE0101-DUP1) | Sour   | ce: MGE00          | 52-04 | Prepared       | & Analyze        | d: 05/06/2 | 021            |       |              |       |
| Total Suspended Solids   | 344.00 | 25.0               | mg/L  |                | 345.00           |            |                | 0.290 | 20           |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

|                          |        |                    |       |                | _                |            | 0/             |      |              |       |
|--------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|------|--------------|-------|
| Analyte                  | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
| Batch BGE0102 - Wet Prep |        |                    |       |                |                  |            |                |      |              |       |
| Blank (BGE0102-BLK1)     |        |                    |       | Prepared       | & Analyze        | d: 05/06/2 | 2021           |      |              |       |
| Total Dissolved Solids   | <25.0  | 25.0               | mg/L  |                |                  |            |                |      |              |       |
| LCS (BGE0102-BS1)        |        |                    |       | Prepared       | & Analyze        | d: 05/06/2 | 2021           |      |              |       |
| Total Dissolved Solids   | 90.000 | 25.0               | mg/L  | 100.10         |                  | 89.9       | 70-130         |      |              |       |
| Duplicate (BGE0102-DUP1) | Sou    | rce: MGE00         | 52-04 | Prepared       | & Analyze        | d: 05/06/2 | 2021           |      |              |       |
| Total Dissolved Solids   | 246.00 | 25.0               | mg/L  |                | 252.00           |            |                | 2.41 | 20           |       |
| Batch BGE0135 - Wet Prep |        |                    |       |                |                  |            |                |      |              |       |
| Blank (BGE0135-BLK1)     |        |                    |       | Prepared       | & Analyze        | d: 05/07/2 | 2021           |      |              |       |
| Total Suspended Solids   | <5.00  | 5.00               | mg/L  |                |                  |            |                |      |              |       |
| LCS (BGE0135-BS1)        |        |                    |       | Prepared       | & Analyze        | d: 05/07/2 | 2021           |      |              |       |
| Total Suspended Solids   | 92.000 | 5.00               | mg/L  | 104.10         |                  | 88.4       | 70-130         |      |              |       |
| Duplicate (BGE0135-DUP1) | Sou    | rce: MGE00         | 52-14 | Prepared       | & Analyze        | d: 05/07/2 | 2021           |      |              |       |
| Total Suspended Solids   | 10.400 | 10.0               | mg/L  |                | 10.800           |            |                | 3.77 | 20           |       |
| Batch BGE0136 - Wet Prep |        |                    |       |                |                  |            |                |      |              |       |
| Blank (BGE0136-BLK1)     |        |                    |       | Prepared       | & Analyze        | d: 05/07/2 | 2021           |      |              |       |
| Total Dissolved Solids   | <25.0  | 25.0               | mg/L  |                |                  |            |                |      |              |       |
| LCS (BGE0136-BS1)        |        |                    |       | Prepared       | & Analyze        | d: 05/07/2 | 2021           |      |              |       |
| Total Dissolved Solids   | 96.000 | 25.0               | mg/L  | 100.10         |                  | 95.9       | 70-130         |      |              |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

| Analyte                  | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD  | RPD<br>Limit | Notes  |
|--------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|------|--------------|--------|
| Batch BGE0136 - Wet Prep |        |                    |       |                |                  |            |                |      |              |        |
| Duplicate (BGE0136-DUP1) | Sour   | ce: MGE00          | 52-14 | Prepared       | & Analyze        | d: 05/07/2 | 021            |      |              |        |
| Total Dissolved Solids   | 358.00 | 25.0               | mg/L  |                | 372.00           |            |                | 3.84 | 20           |        |
| Batch BGE0159 - Wet Prep |        |                    |       |                |                  |            |                |      |              |        |
| Blank (BGE0159-BLK1)     |        |                    |       | Prepared       | & Analyze        | d: 05/09/2 | 021            |      |              |        |
| Total Suspended Solids   | <5.00  | 5.00               | mg/L  |                |                  |            |                |      |              |        |
| LCS (BGE0159-BS1)        |        |                    |       | Prepared       | & Analyze        | d: 05/09/2 | 021            |      |              |        |
| Total Suspended Solids   | 90.000 | 5.00               | mg/L  | 104.10         |                  | 86.5       | 70-130         |      |              |        |
| Duplicate (BGE0159-DUP1) | Sour   | ce: MGE00          | 52-29 | Prepared       | & Analyze        | d: 05/09/2 | 021            |      |              |        |
| Total Suspended Solids   | <9.62  | 9.62               | mg/L  |                | <9.62            |            |                |      | 20           | M_K-06 |
| Duplicate (BGE0159-DUP2) | Sour   | ce: MGE00          | 52-30 | Prepared       | & Analyze        | d: 05/09/2 | 021            |      |              |        |
| Total Suspended Solids   | 9.6000 | 10.0               | mg/L  |                | 8.0000           |            |                | 18.2 | 20           | M_K-06 |
| Batch BGE0160 - Wet Prep |        |                    |       |                |                  |            |                |      |              |        |
| Blank (BGE0160-BLK1)     |        |                    |       | Prepared       | & Analyze        | d: 05/09/2 | 021            |      |              |        |
| Total Dissolved Solids   | <25.0  | 25.0               | mg/L  |                |                  |            |                |      |              |        |
| LCS (BGE0160-BS1)        |        |                    |       | Prepared       | & Analyze        | d: 05/09/2 | 021            |      |              |        |
| Total Dissolved Solids   | 86.000 | 25.0               | mg/L  | 100.10         |                  | 85.9       | 70-130         |      |              |        |
| Duplicate (BGE0160-DUP1) | Sour   | ce: MGE00          | 52-29 | Prepared       | & Analyze        | d: 05/09/2 | 021            |      |              |        |
| Total Dissolved Solids   | 240.00 | 25.0               | mg/L  |                | 240.00           |            |                | 0.00 | 20           |        |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

| Analyte                  | Result | Reporting<br>Limit | Units    | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|--------------------------|--------|--------------------|----------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Analyte                  | Result | LIIIII             | Ullis    | Level          | Result           | 70KEC      | LIIIIIIS       | KFD   | LIIIIII      | Notes |
| Batch BGE0160 - Wet Prep |        |                    |          |                |                  |            |                |       |              |       |
| Duplicate (BGE0160-DUP2) | Sou    | rce: MGE00         | 52-30    | Prepared       | & Analyze        | d: 05/09/2 | 021            |       |              |       |
| Total Dissolved Solids   | 26456  | 25.0               | mg/L     |                | 26410            |            |                | 0.174 | 20           | M_E   |
| Batch BGE0166 - Wet Prep |        |                    |          |                |                  |            |                |       |              |       |
| LCS (BGE0166-BS1)        |        |                    |          | Prepared       | & Analyze        | d: 05/07/2 | 021            |       |              |       |
| рН                       | 7.1700 |                    | pH Units | 7.0000         |                  | 102        | 90-110         |       |              |       |
| LCS (BGE0166-BS2)        |        |                    |          | Prepared       | & Analyze        | d: 05/07/2 | 021            |       |              |       |
| рН                       | 7.1900 |                    | pH Units | 7.0000         |                  | 103        | 90-110         |       |              |       |
| Duplicate (BGE0166-DUP1) | Sou    | rce: MGE00         | 77-01    | Prepared       | & Analyze        | d: 05/07/2 | 021            |       |              |       |
| pH                       | 7.7800 |                    | pH Units |                | 7.7400           |            |                | 0.515 | 20           |       |
| Duplicate (BGE0166-DUP2) | Sou    | rce: MGE00         | 77-11    | Prepared       | & Analyze        | d: 05/07/2 | 021            |       |              |       |
| рН                       | 7.8000 |                    | pH Units |                | 7.8000           |            |                | 0.00  | 20           |       |
| Duplicate (BGE0166-DUP3) | Sou    | rce: MGE00         | 77-21    | Prepared       | & Analyze        | d: 05/07/2 | 021            |       |              |       |
| рН                       | 8.1400 |                    | pH Units |                | 8.1200           |            |                | 0.246 | 20           |       |
| Duplicate (BGE0166-DUP4) | Sou    | rce: MGE00         | 77-30    | Prepared       | & Analyze        | d: 05/07/2 | 021            |       |              |       |
| рН                       | 7.9900 |                    | pH Units |                | 8.0000           |            |                | 0.125 | 20           |       |
| Batch BGE0176 - Wet Prep |        |                    |          |                |                  |            |                |       |              |       |
| Blank (BGE0176-BLK1)     |        |                    |          | Prepared       | & Analyze        | d: 05/10/2 | 021            |       |              |       |
| Total Suspended Solids   | <5.00  | 5.00               | mg/L     | -              |                  |            |                |       |              |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

|                          |        | Reporting  |       | Spike    | Source    |            | %REC   |      | RPD   |        |
|--------------------------|--------|------------|-------|----------|-----------|------------|--------|------|-------|--------|
| Analyte                  | Result | Limit      | Units | Level    | Result    | %REC       | Limits | RPD  | Limit | Notes  |
| Batch BGE0176 - Wet Prep |        |            |       |          |           |            |        |      |       |        |
| LCS (BGE0176-BS1)        |        |            |       | Prepared | & Analyze | d: 05/10/2 | 021    |      |       |        |
| Total Suspended Solids   | 94.000 | 5.00       | mg/L  | 104.10   |           | 90.3       | 70-130 |      |       |        |
| Duplicate (BGE0176-DUP1) | Source | ce: MGE007 | 77-07 | Prepared | & Analyze | d: 05/10/2 | 021    |      |       |        |
| Total Suspended Solids   | 17.600 | 10.0       | mg/L  |          | 15.600    |            |        | 12.0 | 20    |        |
| Batch BGE0177 - Wet Prep |        |            |       |          |           |            |        |      |       |        |
| Blank (BGE0177-BLK1)     |        |            |       | Prepared | & Analyze | d: 05/10/2 | 021    |      |       |        |
| Total Dissolved Solids   | <25.0  | 25.0       | mg/L  |          |           |            |        |      |       |        |
| LCS (BGE0177-BS1)        |        |            |       | Prepared | & Analyze | d: 05/10/2 | 021    |      |       |        |
| Total Dissolved Solids   | 94.000 | 25.0       | mg/L  | 100.10   |           | 93.9       | 70-130 |      |       |        |
| Duplicate (BGE0177-DUP1) | Source | ce: MGE007 | 77-07 | Prepared | & Analyze | d: 05/10/2 | 021    |      |       |        |
| Total Dissolved Solids   | 480.00 | 25.0       | mg/L  |          | 480.00    |            |        | 0.00 | 20    |        |
| Batch BGE0198 - Wet Prep |        |            |       |          |           |            |        |      |       |        |
| Blank (BGE0198-BLK1)     |        |            |       | Prepared | & Analyze | d: 05/11/2 | 021    |      |       |        |
| Total Suspended Solids   | <5.00  | 5.00       | mg/L  |          |           |            |        |      |       |        |
| LCS (BGE0198-BS1)        |        |            |       | Prepared | & Analyze | d: 05/11/2 | 021    |      |       |        |
| Total Suspended Solids   | 92.000 | 5.00       | mg/L  | 104.10   |           | 88.4       | 70-130 |      |       |        |
| Duplicate (BGE0198-DUP1) | Source | ce: MGE007 | 77-17 | Prepared | & Analyze | d: 05/11/2 | 021    |      |       |        |
| Total Suspended Solids   | 1.2000 | 10.0       | mg/L  |          | <10.0     |            |        |      | 20    | M_K-06 |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

|                          | - "     | Reporting  |       | Spike    | Source    | 0/ 050     | %REC   | 222  | RPD   | <b>N</b> 1.4      |
|--------------------------|---------|------------|-------|----------|-----------|------------|--------|------|-------|-------------------|
| Analyte                  | Result  | Limit      | Units | Level    | Result    | %REC       | Limits | RPD  | Limit | Notes             |
| Batch BGE0199 - Wet Prep |         |            |       |          |           |            |        |      |       |                   |
| Blank (BGE0199-BLK1)     |         |            |       | Prepared | & Analyze | d: 05/11/2 | 021    |      |       |                   |
| Total Dissolved Solids   | <25.0   | 25.0       | mg/L  |          |           |            |        |      |       |                   |
| LCS (BGE0199-BS1)        |         |            |       | Prepared | & Analyze | d: 05/11/2 | 021    |      |       |                   |
| Total Dissolved Solids   | 86.000  | 25.0       | mg/L  | 100.10   |           | 85.9       | 70-130 |      |       |                   |
| Duplicate (BGE0199-DUP1) | Sour    | ce: MGE007 | 77-17 | Prepared | & Analyze | d: 05/11/2 | 021    |      |       |                   |
| Total Dissolved Solids   | 446.00  | 25.0       | mg/L  |          | 446.00    |            |        | 0.00 | 20    |                   |
| Batch BGE0226 - Wet Prep |         |            |       |          |           |            |        |      |       |                   |
| Blank (BGE0226-BLK1)     |         |            |       | Prepared | & Analyze | d: 05/12/2 | 021    |      |       |                   |
| Total Suspended Solids   | <5.00   | 5.00       | mg/L  |          |           |            |        |      |       |                   |
| LCS (BGE0226-BS1)        |         |            |       | Prepared | & Analyze | d: 05/12/2 | 021    |      |       |                   |
| Total Suspended Solids   | 94.000  | 5.00       | mg/L  | 104.10   |           | 90.3       | 70-130 |      |       |                   |
| Duplicate (BGE0226-DUP1) | Sour    | ce: MGE007 | 77-27 | Prepared | & Analyze | d: 05/12/2 | 021    |      |       |                   |
| Total Suspended Solids   | 0.80000 | 10.0       | mg/L  |          | 0.60000   |            |        | 28.6 | 20    | M_D-RL,<br>M_K-06 |
| Batch BGE0227 - Wet Prep |         |            |       |          |           |            |        |      |       |                   |
| Blank (BGE0227-BLK1)     |         |            |       | Prepared | & Analyze | d: 05/12/2 | 021    |      |       |                   |
| Total Dissolved Solids   | <25.0   | 25.0       | mg/L  |          |           |            |        |      |       |                   |
| LCS (BGE0227-BS1)        |         |            |       | Prepared | & Analyze | d: 05/12/2 | 021    |      |       |                   |
| Total Dissolved Solids   | 102.00  | 25.0       | mg/L  | 100.10   |           | 102        | 70-130 |      |       |                   |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

Project Manager: Eric Ealy

### **Wet Chemistry - Quality Control**

| - [ |             |           |       |       |        |      |        |     |       |       | 1 |
|-----|-------------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
|     |             | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       | l |
|     | Analyte Res | ult Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch BGE0227 - Wet Prep

| Duplicate (BGE0227-DUP1) | Source: | MGE007 | 7-27 | Prepared & Analyzed: 05/12/2021 |      |    |
|--------------------------|---------|--------|------|---------------------------------|------|----|
| Total Dissolved Solids   | 336.00  | 25.0   | mg/L | 348.00                          | 3.51 | 20 |



RPD

%RFC

Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

### **Total Metals by ICPMS - Quality Control**

Snika

Source

Reporting

| Amakata                           | D !!    | Reporting   | 11    | Spike     | Source      | 0/ DEC     | %REC         | DDD  | RPD   | N1-4   |
|-----------------------------------|---------|-------------|-------|-----------|-------------|------------|--------------|------|-------|--------|
| Analyte                           | Result  | Limit       | Units | Level     | Result      | %REC       | Limits       | RPD  | Limit | Notes  |
| Batch BGE0183 - EPA 200.2, EPA 30 | 05      |             |       |           |             |            |              |      |       |        |
| Blank (BGE0183-BLK1)              |         |             |       | Prepared: | : 05/10/202 | 21 Analyze | d: 05/11/20  | 021  |       |        |
| Chromium                          | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| Cobalt                            | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| intimony                          | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| rsenic                            | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| hallium                           | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| arium                             | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| admium                            | <0.100  | 0.100       | ug/L  |           |             |            |              |      |       |        |
| ead                               | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| olybdenum                         | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| eryllium                          | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| elenium                           | <0.500  | 0.500       | ug/L  |           |             |            |              |      |       |        |
| CS (BGE0183-BS1)                  |         |             |       | Prepared: | : 05/10/202 | 21 Analyze | ed: 05/11/20 | 021  |       |        |
| rsenic                            | 98.087  | 0.500       | ug/L  | 100.00    |             | 98.1       | 85-115       |      |       |        |
| ntimony                           | 98.939  | 0.500       | ug/L  | 100.00    |             | 98.9       | 85-115       |      |       |        |
| ead                               | 97.439  | 0.500       | ug/L  | 100.00    |             | 97.4       | 85-115       |      |       |        |
| eryllium                          | 94.948  | 0.500       | ug/L  | 100.00    |             | 94.9       | 85-115       |      |       |        |
| nallium                           | 99.388  | 0.500       | ug/L  | 100.00    |             | 99.4       | 85-115       |      |       |        |
| elenium                           | 101.57  | 0.500       | ug/L  | 100.00    |             | 102        | 85-115       |      |       |        |
| admium                            | 100.92  | 0.100       | ug/L  | 100.00    |             | 101        | 85-115       |      |       |        |
| olybdenum                         | 98.658  | 0.500       | ug/L  | 100.00    |             | 98.7       | 85-115       |      |       |        |
| obalt                             | 99.924  | 0.500       | ug/L  | 100.00    |             | 99.9       | 85-115       |      |       |        |
| hromium                           | 99.667  | 0.500       | ug/L  | 100.00    |             | 99.7       | 85-115       |      |       |        |
| arium                             | 96.667  | 0.500       | ug/L  | 100.00    |             | 96.7       | 85-115       |      |       |        |
| uplicate (BGE0183-DUP1)           | Sou     | ırce: MGE00 | 52-23 | Prepared: | : 05/10/202 | 21 Analyze | ed: 05/11/20 | 021  |       |        |
| olybdenum                         | 0.26078 | 0.500       | ug/L  |           | 0.18410     |            |              | 34.5 | 20    | M_D-RI |
| admium                            | <0.100  | 0.100       | ug/L  |           | <0.100      |            |              |      | 20    |        |
| ntimony                           | <0.500  | 0.500       | ug/L  |           | <0.500      |            |              |      | 20    |        |
| nallium                           | <0.500  | 0.500       | ug/L  |           | <0.500      |            |              |      | 20    |        |
| elenium                           | <0.500  | 0.500       | ug/L  |           | 0.52809     |            |              |      | 20    |        |
| ead                               | <0.500  | 0.500       | ug/L  |           | <0.500      |            |              |      | 20    |        |
| hromium                           | 0.67496 | 0.500       | ug/L  |           | 0.61369     |            |              | 9.51 | 20    |        |
| obalt                             | <0.500  | 0.500       | ug/L  |           | <0.500      |            |              |      | 20    |        |
| eryllium                          | <0.500  | 0.500       | ug/L  |           | <0.500      |            |              |      | 20    |        |
| arium                             | 44.223  | 0.500       | ug/L  |           | 44.883      |            |              | 1.48 | 20    |        |
| rsenic                            | 0.55338 | 0.500       | ug/L  |           | 0.62724     |            |              | 12.5 | 20    |        |

Xcel Energy Minneapolis Testing Lab



RPD

%REC

Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

Snika

Source

### **Total Metals by ICPMS - Quality Control**

Reporting

|                               |          | Reporting  | 11. " | Spike     | Source      | 0/8=0     | %REC        | DE-   | RPD   |       |
|-------------------------------|----------|------------|-------|-----------|-------------|-----------|-------------|-------|-------|-------|
| Analyte                       | Result   | Limit      | Units | Level     | Result      | %REC      | Limits      | RPD   | Limit | Notes |
| atch BGE0183 - EPA 200.2, EPA | 3005     |            |       |           |             |           |             |       |       |       |
| uplicate (BGE0183-DUP2)       | Sou      | rce: MGE00 | 52-24 | Prepared: | : 05/10/202 | 1 Analyze | d: 05/11/2  | 021   |       |       |
| Barium                        | 41.907   | 0.500      | ug/L  |           | 46.245      |           |             | 9.84  | 20    |       |
| Arsenic                       | 0.51480  | 0.500      | ug/L  |           | 0.53578     |           |             | 3.99  | 20    |       |
| Selenium                      | 0.72613  | 0.500      | ug/L  |           | 0.86732     |           |             | 17.7  | 20    |       |
| ntimony                       | <0.500   | 0.500      | ug/L  |           | <0.500      |           |             |       | 20    |       |
| ead                           | 0.067500 | 0.500      | ug/L  |           | 0.067630    |           |             | 0.192 | 20    |       |
| hallium                       | <0.500   | 0.500      | ug/L  |           | <0.500      |           |             |       | 20    |       |
| eryllium                      | <0.500   | 0.500      | ug/L  |           | <0.500      |           |             |       | 20    |       |
| admium                        | <0.100   | 0.100      | ug/L  |           | <0.100      |           |             |       | 20    |       |
| obalt                         | 0.23303  | 0.500      | ug/L  |           | 0.20095     |           |             | 14.8  | 20    |       |
| hromium                       | 1.0139   | 0.500      | ug/L  |           | 1.1444      |           |             | 12.1  | 20    |       |
| lolybdenum                    | 0.12728  | 0.500      | ug/L  |           | 0.12309     |           |             | 3.35  | 20    |       |
| atrix Spike (BGE0183-MS1)     | Soul     | rce: MGE00 | 52-23 | Prepared  | : 05/10/202 | 1 Analyze | ed: 05/11/2 | 021   |       |       |
| hromium                       | 102.90   | 0.500      | ug/L  | 100.00    | 0.61369     | 102       | 75-125      |       |       |       |
| arium                         | 143.75   | 0.500      | ug/L  | 100.00    | 44.883      | 98.9      | 75-125      |       |       |       |
| eryllium                      | 100.79   | 0.500      | ug/L  | 100.00    | <0.500      | 101       | 75-125      |       |       |       |
| elenium                       | 106.57   | 0.500      | ug/L  | 100.00    | 0.52809     | 106       | 75-125      |       |       |       |
| obalt                         | 102.37   | 0.500      | ug/L  | 100.00    | <0.500      | 102       | 75-125      |       |       |       |
| hallium                       | 95.212   | 0.500      | ug/L  | 100.00    | <0.500      | 95.2      | 75-125      |       |       |       |
| lolybdenum                    | 101.19   | 0.500      | ug/L  | 100.00    | 0.18410     | 101       | 75-125      |       |       |       |
| rsenic                        | 99.985   | 0.500      | ug/L  | 100.00    | 0.62724     | 99.4      | 75-125      |       |       |       |
| ead                           | 94.057   | 0.500      | ug/L  | 100.00    | <0.500      | 94.1      | 75-125      |       |       |       |
| admium                        | 101.06   | 0.100      | ug/L  | 100.00    | <0.100      | 101       | 75-125      |       |       |       |
| ntimony                       | 101.16   | 0.500      | ug/L  | 100.00    | <0.500      | 101       | 75-125      |       |       |       |
| latrix Spike (BGE0183-MS2)    | Soul     | rce: MGE00 | 52-24 | Prepared  | : 05/10/202 | 1 Analyze | ed: 05/11/2 | 021   |       |       |
| ead                           | 92.868   | 0.500      | ug/L  | 100.00    | 0.067630    | 92.8      | 75-125      |       |       |       |
| olybdenum                     | 106.54   | 0.500      | ug/L  | 100.00    | 0.12309     | 106       | 75-125      |       |       |       |
| hromium                       | 99.873   | 0.500      | ug/L  | 100.00    | 1.1444      | 98.7      | 75-125      |       |       |       |
| rsenic                        | 102.66   | 0.500      | ug/L  | 100.00    | 0.53578     | 102       | 75-125      |       |       |       |
| hallium                       | 96.078   | 0.500      | ug/L  | 100.00    | <0.500      | 96.1      | 75-125      |       |       |       |
| eryllium                      | 113.55   | 0.500      | ug/L  | 100.00    | <0.500      | 114       | 75-125      |       |       |       |
| elenium                       | 107.36   | 0.500      | ug/L  | 100.00    | 0.86732     | 106       | 75-125      |       |       |       |
| ntimony                       | 105.19   | 0.500      | ug/L  | 100.00    | <0.500      | 105       | 75-125      |       |       |       |
| obalt                         | 99.818   | 0.500      | ug/L  | 100.00    | 0.20095     | 99.6      | 75-125      |       |       |       |
| admium                        | 100.50   | 0.100      | ug/L  | 100.00    | <0.100      | 101       | 75-125      |       |       |       |
| Barium                        | 149.01   | 0.500      | ug/L  | 100.00    | 46.245      | 103       | 75-125      |       |       |       |

Xcel Energy Minneapolis Testing Lab



RPD

%RFC

Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### **Total Metals by ICPMS - Quality Control**

Snika

Source

Reporting

|                                     |        | Reporting  |       | Spike    | Source      |            | %REC        |          | RPD   |       |
|-------------------------------------|--------|------------|-------|----------|-------------|------------|-------------|----------|-------|-------|
| Analyte                             | Result | Limit      | Units | Level    | Result      | %REC       | Limits      | RPD      | Limit | Notes |
| Batch BGE0183 - EPA 200.2, EPA 3005 |        |            |       |          |             |            |             |          |       |       |
| Matrix Spike Dup (BGE0183-MSD1)     | Sou    | rce: MGE00 | 52-23 | Prepared | : 05/10/202 | 21 Analyze | ed: 05/11/2 | 021      |       |       |
| Barium                              | 143.12 | 0.500      | ug/L  | 100.00   | 44.883      | 98.2       | 75-125      | 0.440    | 20    |       |
| Beryllium                           | 106.78 | 0.500      | ug/L  | 100.00   | <0.500      | 107        | 75-125      | 5.77     | 20    |       |
| Lead                                | 94.189 | 0.500      | ug/L  | 100.00   | <0.500      | 94.2       | 75-125      | 0.140    | 20    |       |
| Chromium                            | 102.48 | 0.500      | ug/L  | 100.00   | 0.61369     | 102        | 75-125      | 0.412    | 20    |       |
| Antimony                            | 101.68 | 0.500      | ug/L  | 100.00   | <0.500      | 102        | 75-125      | 0.518    | 20    |       |
| Selenium                            | 102.69 | 0.500      | ug/L  | 100.00   | 0.52809     | 102        | 75-125      | 3.71     | 20    |       |
| Fhallium                            | 95.509 | 0.500      | ug/L  | 100.00   | <0.500      | 95.5       | 75-125      | 0.312    | 20    |       |
| Cadmium                             | 102.86 | 0.100      | ug/L  | 100.00   | <0.100      | 103        | 75-125      | 1.76     | 20    |       |
| Molybdenum                          | 100.69 | 0.500      | ug/L  | 100.00   | 0.18410     | 101        | 75-125      | 0.498    | 20    |       |
| Arsenic                             | 99.724 | 0.500      | ug/L  | 100.00   | 0.62724     | 99.1       | 75-125      | 0.261    | 20    |       |
| Cobalt                              | 100.12 | 0.500      | ug/L  | 100.00   | <0.500      | 100        | 75-125      | 2.23     | 20    |       |
| latrix Spike Dup (BGE0183-MSD2)     | Sou    | rce: MGE00 | 52-24 | Prepared | : 05/10/202 | 21 Analyze | ed: 05/11/2 | 021      |       |       |
| ead                                 | 92.160 | 0.500      | ug/L  | 100.00   | 0.067630    | 92.1       | 75-125      | 0.766    | 20    |       |
| Barium                              | 143.18 | 0.500      | ug/L  | 100.00   | 46.245      | 96.9       | 75-125      | 3.99     | 20    |       |
| <i>N</i> olybdenum                  | 100.89 | 0.500      | ug/L  | 100.00   | 0.12309     | 101        | 75-125      | 5.45     | 20    |       |
| Beryllium                           | 105.56 | 0.500      | ug/L  | 100.00   | <0.500      | 106        | 75-125      | 7.29     | 20    |       |
| Chromium                            | 102.25 | 0.500      | ug/L  | 100.00   | 1.1444      | 101        | 75-125      | 2.35     | 20    |       |
| Antimony                            | 102.00 | 0.500      | ug/L  | 100.00   | <0.500      | 102        | 75-125      | 3.08     | 20    |       |
| Cadmium                             | 104.68 | 0.100      | ug/L  | 100.00   | <0.100      | 105        | 75-125      | 4.07     | 20    |       |
| Selenium                            | 109.18 | 0.500      | ug/L  | 100.00   | 0.86732     | 108        | 75-125      | 1.69     | 20    |       |
| <sup>-</sup> hallium                | 95.283 | 0.500      | ug/L  | 100.00   | <0.500      | 95.3       | 75-125      | 0.831    | 20    |       |
| Arsenic                             | 101.02 | 0.500      | ug/L  | 100.00   | 0.53578     | 100        | 75-125      | 1.62     | 20    |       |
| Cobalt                              | 102.06 | 0.500      | ug/L  | 100.00   | 0.20095     | 102        | 75-125      | 2.22     | 20    |       |
| Batch BGE0217 - EPA 200.2, EPA 3005 |        |            |       |          |             |            |             |          |       |       |
| Blank (BGE0217-BLK1)                |        |            |       | Prepared | : 05/11/202 | 21 Analyze | ed: 05/12/2 | 021      |       |       |
| - Thallium                          | <0.500 | 0.500      | ug/L  | <u> </u> | <u> </u>    |            |             | <u> </u> |       |       |
| Arsenic                             | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Antimony                            | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Lead                                | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Beryllium                           | <0.100 | 0.100      | ug/L  |          |             |            |             |          |       |       |
| Nolybdenum                          | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Cobalt                              | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Barium                              | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Selenium                            | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Chromium                            | <0.500 | 0.500      | ug/L  |          |             |            |             |          |       |       |
| Cadmium                             | <0.100 | 0.100      | ug/L  |          |             |            |             |          |       |       |

Xcel Energy Minneapolis Testing Lab



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### **Total Metals by ICPMS - Quality Control**

| Analyte                        | Result   | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC      | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|--------------------------------|----------|--------------------|-------|----------------|------------------|-----------|----------------|------|--------------|-------|
| Batch BGE0217 - EPA 200.2, EPA | 3005     |                    |       |                |                  |           |                |      |              |       |
| LCS (BGE0217-BS1)              |          |                    |       | Prepared:      | 05/11/202        | 1 Analyze | ed: 05/12/20   | 021  |              |       |
| Thallium                       | 100.25   | 0.500              | ug/L  | 100.00         |                  | 100       | 85-115         |      |              |       |
| Molybdenum                     | 98.237   | 0.500              | ug/L  | 100.00         |                  | 98.2      | 85-115         |      |              |       |
| Antimony                       | 101.42   | 0.500              | ug/L  | 100.00         |                  | 101       | 85-115         |      |              |       |
| ead                            | 99.059   | 0.500              | ug/L  | 100.00         |                  | 99.1      | 85-115         |      |              |       |
| Beryllium                      | 100.93   | 0.100              | ug/L  | 100.00         |                  | 101       | 85-115         |      |              |       |
| Arsenic                        | 99.962   | 0.500              | ug/L  | 100.00         |                  | 100       | 85-115         |      |              |       |
| Barium                         | 102.16   | 0.500              | ug/L  | 100.00         |                  | 102       | 85-115         |      |              |       |
| Cobalt                         | 99.424   | 0.500              | ug/L  | 100.00         |                  | 99.4      | 85-115         |      |              |       |
| Selenium                       | 100.52   | 0.500              | ug/L  | 100.00         |                  | 101       | 85-115         |      |              |       |
| Cadmium                        | 95.833   | 0.100              | ug/L  | 100.00         |                  | 95.8      | 85-115         |      |              |       |
| Chromium                       | 101.39   | 0.500              | ug/L  | 100.00         |                  | 101       | 85-115         |      |              |       |
| Ouplicate (BGE0217-DUP1)       | So       | urce: MGE007       | 77-20 | Prepared:      | 05/11/202        | 1 Analyze | ed: 05/12/20   | 021  |              |       |
| Nolybdenum                     | 2.5762   | 0.500              | ug/L  |                | 2.4802           |           |                | 3.79 | 20           |       |
| ead                            | 0.27296  | 0.500              | ug/L  |                | 0.26012          |           |                | 4.82 | 20           |       |
| arium                          | 53.986   | 0.500              | ug/L  |                | 51.412           |           |                | 4.89 | 20           |       |
| rsenic                         | 0.72361  | 0.500              | ug/L  |                | 0.67141          |           |                | 7.48 | 20           |       |
| Selenium                       | 6.6916   | 0.500              | ug/L  |                | 6.4361           |           |                | 3.89 | 20           |       |
| ntimony                        | < 0.500  | 0.500              | ug/L  |                | <0.500           |           |                |      | 20           |       |
| cobalt                         | 0.36438  | 0.500              | ug/L  |                | 0.33380          |           |                | 8.76 | 20           |       |
| Chromium                       | 8.5361   | 0.500              | ug/L  |                | 8.8178           |           |                | 3.25 | 20           |       |
| Beryllium                      | <0.100   | 0.100              | ug/L  |                | <0.100           |           |                |      | 20           |       |
| -<br>Thallium                  | 0.042402 | 0.500              | ug/L  |                | <0.500           |           |                |      | 20           |       |
| Cadmium                        | <0.100   | 0.100              | ug/L  |                | <0.100           |           |                |      | 20           |       |
| Matrix Spike (BGE0217-MS1)     | So       | urce: MGE007       | 77-20 | Prepared:      | 05/11/202        | 1 Analyze | ed: 05/12/20   | 021  |              |       |
| Cobalt                         | 95.711   | 0.500              | ug/L  | 100.00         | 0.33380          | 95.4      | 75-125         |      |              |       |
| Barium                         | 158.78   | 0.500              | ug/L  | 100.00         | 51.412           | 107       | 75-125         |      |              |       |
| Chromium                       | 110.65   | 0.500              | ug/L  | 100.00         | 8.8178           | 102       | 75-125         |      |              |       |
| ead                            | 91.554   | 0.500              | ug/L  | 100.00         | 0.26012          | 91.3      | 75-125         |      |              |       |
| Nolybdenum                     | 104.22   | 0.500              | ug/L  | 100.00         | 2.4802           | 102       | 75-125         |      |              |       |
| hallium                        | 93.113   | 0.500              | ug/L  | 100.00         | <0.500           | 93.1      | 75-125         |      |              |       |
| Cadmium                        | 98.449   | 0.100              | ug/L  | 100.00         | <0.100           | 98.4      | 75-125         |      |              |       |
| antimony                       | 101.06   | 0.500              | ug/L  | 100.00         | <0.500           | 101       | 75-125         |      |              |       |
| Selenium                       | 112.43   | 0.500              | ug/L  | 100.00         | 6.4361           | 106       | 75-125         |      |              |       |
| Beryllium                      | 99.268   | 0.100              | ug/L  | 100.00         | <0.100           | 99.3      | 75-125         |      |              |       |
| Arsenic                        | 104.45   | 0.500              | ug/L  | 100.00         | 0.67141          | 104       | 75-125         |      |              |       |

Xcel Energy Minneapolis Testing Lab



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### **Total Metals by ICPMS - Quality Control**

|         |        |           |       |       |        |      | ~      |     |       |       |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
|         |        | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       |
| Analyte | Result | Limit     | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Matrix Spike Dup (BGE0217-MSD1) | Soui   | rce: MGE007 | 7-20 | Prepared | : 05/11/202 | 1 Analyz | ed: 05/12/2 | 021   |    |
|---------------------------------|--------|-------------|------|----------|-------------|----------|-------------|-------|----|
| Lead                            | 93.073 | 0.500       | ug/L | 100.00   | 0.26012     | 92.8     | 75-125      | 1.65  | 20 |
| Chromium                        | 114.78 | 0.500       | ug/L | 100.00   | 8.8178      | 106      | 75-125      | 3.66  | 20 |
| Thallium                        | 97.453 | 0.500       | ug/L | 100.00   | <0.500      | 97.5     | 75-125      | 4.55  | 20 |
| Cadmium                         | 98.262 | 0.100       | ug/L | 100.00   | <0.100      | 98.3     | 75-125      | 0.190 | 20 |
| Selenium                        | 113.38 | 0.500       | ug/L | 100.00   | 6.4361      | 107      | 75-125      | 0.843 | 20 |
| Arsenic                         | 103.39 | 0.500       | ug/L | 100.00   | 0.67141     | 103      | 75-125      | 1.01  | 20 |
| Barium                          | 157.81 | 0.500       | ug/L | 100.00   | 51.412      | 106      | 75-125      | 0.617 | 20 |
| Molybdenum                      | 100.97 | 0.500       | ug/L | 100.00   | 2.4802      | 98.5     | 75-125      | 3.17  | 20 |
| Beryllium                       | 100.74 | 0.100       | ug/L | 100.00   | <0.100      | 101      | 75-125      | 1.47  | 20 |
| Cobalt                          | 101.17 | 0.500       | ug/L | 100.00   | 0.33380     | 101      | 75-125      | 5.54  | 20 |
| Antimony                        | 103.49 | 0.500       | ug/L | 100.00   | < 0.500     | 103      | 75-125      | 2.37  | 20 |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

### **Total Metals by ICP - Quality Control**

|                                |           | Reporting   |       | Spike     | Source    |           | %REC        |        | RPD   |       |
|--------------------------------|-----------|-------------|-------|-----------|-----------|-----------|-------------|--------|-------|-------|
| Analyte                        | Result    | Limit       | Units | Level     | Result    | %REC      | Limits      | RPD    | Limit | Notes |
| Batch BGE0182 - EPA 200.2, EPA | 3005      |             |       |           |           |           |             |        |       |       |
| Blank (BGE0182-BLK1)           |           |             |       | Prepared: | 05/10/202 | 1 Analyze | ed: 05/14/2 | 021    |       |       |
| Boron                          | <0.0500   | 0.0500      | mg/L  |           |           |           |             |        |       |       |
| Lithium                        | <0.0150   | 0.0150      | mg/L  |           |           |           |             |        |       |       |
| Calcium                        | <1.50     | 1.50        | mg/L  |           |           |           |             |        |       |       |
| _CS (BGE0182-BS1)              |           |             |       | Prepared: | 05/10/202 | 1 Analyze | ed: 05/14/2 | 021    |       |       |
| Boron                          | 0.93123   | 0.0500      | mg/L  | 1.0000    |           | 93.1      | 85-115      |        |       |       |
| Lithium                        | 1.0173    | 0.0150      | mg/L  | 1.0000    |           | 102       | 85-115      |        |       |       |
| Calcium                        | 101.45    | 1.50        | mg/L  | 100.00    |           | 101       | 85-115      |        |       |       |
| Ouplicate (BGE0182-DUP1)       | Sou       | rce: MGE005 | 52-21 | Prepared: | 05/10/202 | 1 Analyze | ed: 05/14/2 | 021    |       |       |
| Calcium                        | 68.388    | 1.50        | mg/L  |           | 72.404    |           |             | 5.71   | 20    |       |
| _ithium                        | 0.0055244 | 0.0150      | mg/L  |           | 0.0055212 |           |             | 0.0569 | 20    |       |
| Boron                          | 0.036383  | 0.0500      | mg/L  |           | 0.035672  |           |             | 1.97   | 20    |       |
| Duplicate (BGE0182-DUP2)       | Sou       | rce: MGE005 | 52-22 | Prepared: | 05/10/202 | 1 Analyze | ed: 05/14/2 | 021    |       |       |
| Lithium                        | 0.0047976 | 0.0150      | mg/L  |           | 0.0045328 |           |             | 5.68   | 20    |       |
| Calcium                        | 89.087    | 1.50        | mg/L  |           | 95.046    |           |             | 6.47   | 20    |       |
| Boron                          | 0.064578  | 0.0500      | mg/L  |           | 0.068389  |           |             | 5.73   | 20    |       |
| Matrix Spike (BGE0182-MS1)     | Sou       | rce: MGE005 | 52-21 | Prepared: | 05/10/202 | 1 Analyze | ed: 05/14/2 | 021    |       |       |
| Boron                          | 0.97656   | 0.0500      | mg/L  | 1.0000    | 0.035672  | 94.1      | 70-130      |        |       |       |
| Lithium                        | 1.0058    | 0.0150      | mg/L  | 1.0000    | 0.0055212 | 100       | 70-130      |        |       |       |
| Calcium                        | 170.66    | 1.50        | mg/L  | 100.00    | 72.404    | 98.3      | 70-130      |        |       |       |
| Matrix Spike (BGE0182-MS2)     | Sou       | rce: MGE005 | 52-22 | Prepared: | 05/10/202 | 1 Analyze | ed: 05/14/2 | 021    |       |       |
| Calcium                        | 195.93    | 1.50        | mg/L  | 100.00    | 95.046    | 101       | 70-130      |        |       |       |
|                                |           |             |       |           |           |           |             |        |       |       |
| Lithium                        | 1.0160    | 0.0150      | mg/L  | 1.0000    | 0.0045328 | 101       | 70-130      |        |       |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

05/25/2021 09:16

### **Total Metals by ICP - Quality Control**

| Analyte                             | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC      | %REC<br>Limits | RPD   | RPD<br>Limit | Notes    |
|-------------------------------------|---------|--------------------|-------|----------------|------------------|-----------|----------------|-------|--------------|----------|
| •                                   | rtodit  | Liiiii             | 01110 | 20101          | rtodat           |           | Liiiiio        |       |              | 110100   |
| Batch BGE0182 - EPA 200.2, EPA 3005 |         |                    |       |                |                  |           |                |       |              |          |
| Matrix Spike Dup (BGE0182-MSD1)     | So      | urce: MGE005       | 52-21 | Prepared       | : 05/10/202      | 1 Analyze | ed: 05/14/2    | 021   |              |          |
| Calcium                             | 170.40  | 1.50               | mg/L  | 100.00         | 72.404           | 98.0      | 70-130         | 0.150 | 20           |          |
| Lithium                             | 1.0007  | 0.0150             | mg/L  | 1.0000         | 0.0055212        | 99.5      | 70-130         | 0.513 | 20           |          |
| Boron                               | 0.99103 | 0.0500             | mg/L  | 1.0000         | 0.035672         | 95.5      | 70-130         | 1.47  | 20           |          |
| Matrix Spike Dup (BGE0182-MSD2)     | So      | urce: MGE005       | 52-22 | Prepared       | : 05/10/202      | 1 Analyze | ed: 05/15/2    | 021   |              |          |
| Lithium                             | 0.99692 | 0.0150             | mg/L  | 1.0000         | 0.0045328        | 99.2      | 70-130         | 1.90  | 20           |          |
| Calcium                             | 192.63  | 1.50               | mg/L  | 100.00         | 95.046           | 97.6      | 70-130         | 1.70  | 20           |          |
| Boron                               | 1.0212  | 0.0500             | mg/L  | 1.0000         | 0.068389         | 95.3      | 70-130         | 0.462 | 20           |          |
| Batch BGE0216 - EPA 200.2, EPA 3005 |         |                    |       |                |                  |           |                |       |              |          |
| Blank (BGE0216-BLK1)                |         |                    |       | Prepared       | : 05/11/202      | 1 Analyze | ed: 05/16/2    | 021   |              |          |
| Calcium                             | <1.50   | 1.50               | mg/L  |                |                  |           |                |       |              |          |
| Boron                               | <0.0500 | 0.0500             | mg/L  |                |                  |           |                |       |              |          |
| Lithium                             | <0.0150 | 0.0150             | mg/L  |                |                  |           |                |       |              |          |
| LCS (BGE0216-BS1)                   |         |                    |       | Prepared       | : 05/11/202      | 1 Analyze | ed: 05/16/2    | 021   |              |          |
| Boron                               | 0.94056 | 0.0500             | mg/L  | 1.0000         |                  | 94.1      | 85-115         |       |              |          |
| Calcium                             | 98.116  | 1.50               | mg/L  | 100.00         |                  | 98.1      | 85-115         |       |              |          |
| Lithium                             | 0.97273 | 0.0150             | mg/L  | 1.0000         |                  | 97.3      | 85-115         |       |              |          |
| Duplicate (BGE0216-DUP1)            | So      | urce: MGE007       | 77-18 | Prepared       | : 05/11/202      | 1 Analyze | ed: 05/16/2    | 021   |              |          |
| Boron                               | 0.16959 | 0.0500             | mg/L  |                | 0.17192          |           |                | 1.37  | 20           | <u> </u> |
| Calcium                             | 64.074  | 1.50               | mg/L  |                | 63.223           |           |                | 1.34  | 20           |          |
| Lithium                             | <0.0150 | 0.0150             | mg/L  |                | 0.0043374        |           |                |       | 20           |          |
| Duplicate (BGE0216-DUP2)            | So      | urce: MGE007       | 77-19 | Prepared       | : 05/11/202      | 1 Analyze | ed: 05/16/2    | 021   |              |          |
| Lithium                             | <0.0150 | 0.0150             | mg/L  |                | <0.0150          |           |                |       | 20           |          |
| Calcium                             | 77.840  | 1.50               | mg/L  |                | 77.544           |           |                | 0.381 | 20           |          |
| Boron                               | 0.22155 | 0.0500             | mg/L  |                | 0.22570          |           |                | 1.86  | 20           |          |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### **Total Metals by ICP - Quality Control**

|                                     |         | Reporting   |       | Spike    | Source       |           | %REC        |       | RPD   |       |
|-------------------------------------|---------|-------------|-------|----------|--------------|-----------|-------------|-------|-------|-------|
| Analyte                             | Result  | Limit       | Units | Level    | Result       | %REC      | Limits      | RPD   | Limit | Notes |
| Batch BGE0216 - EPA 200.2, EPA 3005 |         |             |       |          |              |           |             |       |       |       |
| Matrix Spike (BGE0216-MS1)          | Sou     | rce: MGE007 | 77-18 | Prepared | d: 05/11/202 | 1 Analyze | ed: 05/16/2 | 021   |       |       |
| Lithium                             | 0.99376 | 0.0150      | mg/L  | 1.0000   | 0.0043374    | 98.9      | 70-130      |       |       |       |
| Calcium                             | 163.84  | 1.50        | mg/L  | 100.00   | 63.223       | 101       | 70-130      |       |       |       |
| Boron                               | 1.1228  | 0.0500      | mg/L  | 1.0000   | 0.17192      | 95.1      | 70-130      |       |       |       |
| Matrix Spike (BGE0216-MS2)          | Sou     | rce: MGE007 | 77-19 | Prepared | d: 05/11/202 | 1 Analyze | ed: 05/16/2 | 021   |       |       |
| Boron                               | 1.1753  | 0.0500      | mg/L  | 1.0000   | 0.22570      | 95.0      | 70-130      |       |       |       |
| Calcium                             | 180.94  | 1.50        | mg/L  | 100.00   | 77.544       | 103       | 70-130      |       |       |       |
| Lithium                             | 0.99455 | 0.0150      | mg/L  | 1.0000   | <0.0150      | 99.5      | 70-130      |       |       |       |
| Matrix Spike Dup (BGE0216-MSD1)     | Sou     | rce: MGE007 | 77-18 | Prepared | d: 05/11/202 | 1 Analyze | ed: 05/16/2 | 021   |       |       |
| Lithium                             | 0.98139 | 0.0150      | mg/L  | 1.0000   | 0.0043374    | 97.7      | 70-130      | 1.25  | 20    |       |
| Boron                               | 1.1179  | 0.0500      | mg/L  | 1.0000   | 0.17192      | 94.6      | 70-130      | 0.433 | 20    |       |
| Calcium                             | 164.96  | 1.50        | mg/L  | 100.00   | 63.223       | 102       | 70-130      | 0.683 | 20    |       |
| Matrix Spike Dup (BGE0216-MSD2)     | Sou     | rce: MGE007 | 77-19 | Prepared | d: 05/11/202 | 1 Analyze | ed: 05/16/2 | 021   |       |       |
| Lithium                             | 1.0081  | 0.0150      | mg/L  | 1.0000   | <0.0150      | 101       | 70-130      | 1.35  | 20    |       |
| Boron                               | 1.1789  | 0.0500      | mg/L  | 1.0000   | 0.22570      | 95.3      | 70-130      | 0.306 | 20    |       |
| Calcium                             | 183.55  | 1.50        | mg/L  | 100.00   | 77.544       | 106       | 70-130      | 1.44  | 20    |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### **Mercury - Quality Control**

| Analyte                                                                                     | Result                                         | Reporting<br>Limit                         | Units                          | Spike<br>Level                         | Source<br>Result                             | %REC                                             | %REC<br>Limits                           | RPD   | RPD<br>Limit | Notes |
|---------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------|--------------------------------|----------------------------------------|----------------------------------------------|--------------------------------------------------|------------------------------------------|-------|--------------|-------|
| Batch BGE0230 - EPA 245.1, EPA 7470A                                                        |                                                |                                            |                                |                                        |                                              |                                                  |                                          |       |              |       |
| Blank (BGE0230-BLK1)                                                                        |                                                |                                            |                                | Prepared                               | & Analyzed                                   | d: 05/11/2                                       | 021                                      |       |              |       |
| Mercury                                                                                     | <0.200                                         | 0.200                                      | ug/L                           |                                        |                                              |                                                  |                                          |       |              |       |
| LCS (BGE0230-BS1)                                                                           |                                                |                                            |                                | Prepared                               | & Analyzed                                   | d: 05/11/2                                       | 021                                      |       |              |       |
| Mercury                                                                                     | 2.6906                                         | 0.200                                      | ug/L                           | 3.0000                                 |                                              | 89.7                                             | 85-115                                   |       |              |       |
| Duplicate (BGE0230-DUP1)                                                                    | Sour                                           | ce: MGE005                                 | 2-25                           | Prepared                               | & Analyzed                                   | d: 05/11/2                                       | 021                                      |       |              |       |
| Mercury                                                                                     | <0.200                                         | 0.200                                      | ug/L                           | -                                      | <0.200                                       |                                                  |                                          |       | 20           |       |
| Duplicate (BGE0230-DUP2)                                                                    | Sour                                           | ce: MGE005                                 | 2-26                           | Prepared                               | & Analyzed                                   | d: 05/11/2                                       | 021                                      |       |              |       |
| Mercury                                                                                     | <0.200                                         | 0.200                                      | ug/L                           | -                                      | <0.200                                       |                                                  |                                          |       | 20           |       |
| Matrix Spike (BGE0230-MS1)                                                                  | Sour                                           | ce: MGE005                                 | 2-25                           | Prepared                               | & Analyzed                                   | d: 05/11/2                                       | 021                                      |       |              |       |
| Mercury                                                                                     | 2.7511                                         | 0.200                                      | ug/L                           | 3.0000                                 | <0.200                                       | 91.7                                             | 70-130                                   |       |              |       |
|                                                                                             |                                                |                                            |                                |                                        |                                              |                                                  |                                          |       |              |       |
| Matrix Spike (BGE0230-MS2)                                                                  | Sour                                           | ce: MGE005                                 | 2-26                           | Prepared                               | & Analyzed                                   | d: 05/11/2                                       | 021                                      |       |              |       |
| Matrix Spike (BGE0230-MS2)  Mercury                                                         | 2.8204                                         | 0.200                                      | <b>12-26</b><br>ug/L           | Prepared<br>3.0000                     | & Analyzed <0.200                            | d: 05/11/2<br>94.0                               | 70-130                                   |       |              |       |
|                                                                                             | 2.8204                                         |                                            | ug/L                           | 3.0000                                 |                                              | 94.0                                             | 70-130                                   |       |              |       |
| Mercury                                                                                     | 2.8204                                         | 0.200                                      | ug/L                           | 3.0000                                 | <0.200                                       | 94.0                                             | 70-130                                   | 0.818 | 20           |       |
| Mercury  Matrix Spike Dup (BGE0230-MSD1)                                                    | 2.8204<br>Sour<br>2.7737                       | 0.200<br>ce: MGE005                        | ug/L<br>6 <b>2-25</b><br>ug/L  | 3.0000<br>Prepared<br>3.0000           | <0.200<br>& Analyzed                         | 94.0<br>d: 05/11/2<br>92.5                       | 70-130<br>021<br>70-130                  | 0.818 | 20           |       |
| Mercury  Matrix Spike Dup (BGE0230-MSD1)  Mercury                                           | 2.8204<br>Sour<br>2.7737                       | 0.200<br>ce: MGE005<br>0.200               | ug/L<br>6 <b>2-25</b><br>ug/L  | 3.0000<br>Prepared<br>3.0000           | <0.200<br>& Analyzed                         | 94.0<br>d: 05/11/2<br>92.5                       | 70-130<br>021<br>70-130                  | 0.818 | 20           |       |
| Mercury  Matrix Spike Dup (BGE0230-MSD1)  Mercury  Matrix Spike Dup (BGE0230-MSD2)  Mercury | 2.8204<br><b>Sour</b><br>2.7737<br><b>Sour</b> | 0.200<br>ce: MGE005<br>0.200<br>ce: MGE005 | ug/L<br>52-25<br>ug/L<br>52-26 | 3.0000 Prepared 3.0000 Prepared        | <0.200<br>& Analyzed<br><0.200<br>& Analyzed | 94.0<br>d: 05/11/2<br>92.5<br>d: 05/11/2         | 70-130<br>021<br>70-130<br>021           |       | -            |       |
| Mercury  Matrix Spike Dup (BGE0230-MSD1)  Mercury  Matrix Spike Dup (BGE0230-MSD2)          | 2.8204<br><b>Sour</b><br>2.7737<br><b>Sour</b> | 0.200<br>ce: MGE005<br>0.200<br>ce: MGE005 | ug/L<br>52-25<br>ug/L<br>52-26 | 3.0000 Prepared 3.0000 Prepared 3.0000 | <0.200<br>& Analyzed<br><0.200<br>& Analyzed | 94.0<br>d: 05/11/2<br>92.5<br>d: 05/11/2<br>89.3 | 70-130<br>021<br>70-130<br>021<br>70-130 | 5.13  | -            |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 05/25/2021 09:16

### **Mercury - Quality Control**

|                                      |        | Reporting  |       | Spike     | Source    |            | %REC        |       | RPD   |       |
|--------------------------------------|--------|------------|-------|-----------|-----------|------------|-------------|-------|-------|-------|
| Analyte                              | Result | Limit      | Units | Level     | Result    | %REC       | Limits      | RPD   | Limit | Notes |
| Batch BGE0404 - EPA 245.1, EPA 7470A |        |            |       |           |           |            |             |       |       |       |
| LCS (BGE0404-BS1)                    |        |            |       | Prepared: | 05/17/202 | 21 Analyze | ed: 05/18/2 | 021   |       |       |
| Mercury                              | 2.8760 | 0.200      | ug/L  | 3.0000    |           | 95.9       | 85-115      |       |       |       |
| Duplicate (BGE0404-DUP1)             | Soui   | ce: MGE007 | 7-21  | Prepared: | 05/17/202 | 21 Analyze | ed: 05/18/2 | 021   |       |       |
| Mercury                              | <0.200 | 0.200      | ug/L  |           | <0.200    |            |             |       | 20    |       |
| Matrix Spike (BGE0404-MS1)           | Soui   | ce: MGE007 | 7-21  | Prepared: | 05/17/202 | 21 Analyze | ed: 05/18/2 | 021   |       |       |
| Mercury                              | 2.8111 | 0.200      | ug/L  | 3.0000    | <0.200    | 93.7       | 70-130      |       |       |       |
| Matrix Spike Dup (BGE0404-MSD1)      | Soui   | ce: MGE007 | 7-21  | Prepared: | 05/17/202 | 21 Analyze | ed: 05/18/2 | 021   |       |       |
| Mercury                              | 2.8174 | 0.200      | ug/L  | 3.0000    | <0.200    | 93.9       | 70-130      | 0.224 | 20    |       |



| Environmental Services-Water Minneapolis | Project Name/Location: Sherco Pond 3 CCR |                  |
|------------------------------------------|------------------------------------------|------------------|
| 250 Marquette Plaza                      |                                          | Reported:        |
| Minneapolis MN, 55401                    | Project Manager: Eric Ealy               | 05/25/2021 09:16 |

### **Qualifiers and Definitions**

| M_TTT  | Sample received at the lab outside of required hold time.                                                                                                                                    |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M_MS   | The percent recovery and/or RPD were outside the acceptance limits for the MS/MSD due to possible matrix interference and/or non-homogeneous sample matrix.                                  |
| M_K-06 | The reporting limit has been increased, the reported result is acceptable. The maximum routine sample volume was used, but the amount of residue measured was below reference method limits. |
| M_E    | The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.                                      |
| M_D-RL | The RPD for the sample duplicate was outside of QC acceptance limits due to <rl.< td=""></rl.<>                                                                                              |
| Z      | Non Accredited Analyte                                                                                                                                                                       |

Non Accredited Analyte

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference



# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Section A<br>Required Cli | Section A<br>Required Client Information:                              | Section B<br>Required Proje                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Section B<br>Required Project Information: | Section C<br>Invoice Information | )U.                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                           |                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Page:                                        | je: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | of po                 |
|---------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------|--------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Company:                  | Xcel Energy                                                            | Report To:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Chris Pelosi                               | Attention:                       |                            | Ste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Steve Davis       | S)                        |                                |                     | REGULATORY AGENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ORY AG                                       | ENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |
| Address                   | Environmental Services                                                 | Copy To:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Riley Jacobson                             | Company Name:                    |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                           |                                | L NPDES             | GROUND WATER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NTER                                         | DRINKI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DRINKING WATER        |
|                           | MP-7                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            | Address;                         |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                           |                                | TSU T               | - RCRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                                            | OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | OTHER MCES            |
| Email To.                 | Chris Pelesi                                                           | Purchase Order No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ar No.                                     | Pace Quote Reference:            | vence:                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                           |                                | SITE                | NC MN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 1                                          | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L                     |
| Phone; (612) 597-7254     | 97-7254 Fax:                                                           | Project Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3h5no-17 11                                | Pace Project Manager.            | nager:                     | Chris Pelasi/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | slosi/ Ri         | Riley Jacobson            | LIC                            | LOCATION            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | scL                                          | N W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OTHER                 |
| Requested I               | Requested Due Date/TAT:                                                | Project Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Xcel Energy Shero                          | Sherco Ponds Spring              | g Pace Profile #           | c #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                           |                                | Filtered (Y/N)      | 1111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 111                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | /                     |
| Sec                       | Section D Required Client Information SAMPLE ID One Character per box. | Vaird Matrix Codes  MATRIX DIPHURIS WATER WASTE WATER PRODUCT SQUISCUID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IX CODE                                    | O O                              | COLLECTED                  | TA 9MBT 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NOTON<br>SPANIATM |                           | Preservatives                  | Requested Analysis: | \$30d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (NIK) SUNG<br>Ed-45<br>EdVET-40,<br>EVET-40, | NEW SUNG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |
| # IAIE                    | (A-Z, 0-97, -)<br>Sample IDs MUST BE UNIQUE                            | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATAM<br>MAS                                | COMPOSITE START                  | 93                         | TT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | COLL              |                           | CO <sub>2</sub> O <sub>3</sub> | 0.7                 | \$0.50 P. (140 P.) \$0.50 P. (14 |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Page Project No.      |
| aTI                       |                                                                        | CHANGE COMPANY OF THE PERSON O |                                            | DATE TIME                        | AE DATE                    | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | H <sup>S</sup> S          | BN                             | 101/01              | 187                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lab I.I               |
| -                         | W. Organia                                                             | and the state of t | WTW                                        |                                  | The second second          | and the same of th | The second        | 2                         |                                | *                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |
| 8                         | P-03A                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT                                         |                                  | 5/4/21                     | 1555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 23                | +                         |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |
| ю                         | P-03B                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                       |                                  | 12/4/5                     | 5251                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | က                 | + +                       |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |
| 4                         | XX O                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | S J.M                                      |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7                 | 4                         |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The second second     |
| to.                       | A50-4-                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | O TW                                       |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 60                | +                         |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              | Principle of the Paris of the P |                       |
| 9                         | 71-d                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                       |                                  | 12/11/21                   | 1460                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                 | -                         |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                     |
| ۲.                        | 73°d                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5 1W                                       |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7                 | 1 1 5                     |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the second        |
| 80                        | P 23                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | O LWI G                                    |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | 1 1 2                     |                                | *                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |
| co.                       | P-42                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                       |                                  | 514/21                     | 1155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | m                 | +                         |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Annual and the second |
| 10                        | P-43                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                       |                                  | STUTE                      | 1345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EQ.               | 1 1                       |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |
| F                         | P-50                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT                                         |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8                 | F                         |                                | ×                   | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              | Control of the last of the las | -                     |
| 12                        |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                       |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                 | 1 1                       |                                | ×                   | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the second second |
| Additional Comments:      | comments:                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RELINGUISHED                               | SHED BY / AFFILIATION            | N DATE                     | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | ACCEPTED BY / AFFILIATION | AFFILIATION                    | DATE                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAMPLE CONDITIONS                            | CONDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TONS                  |
| 35*                       | #Submitting 30 Sample + 3 Dup +                                        | + dry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Relief h                                   | . (1)                            | SHIZI                      | 008/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | S.                | WAY.                      | Pau                            | _                   | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A   D                                      | 4/A N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AYY U                 |
|                           | 17/h/2 x 00 - 35/h/2 c                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                                          | M. to Pin                        | 12/5/5 *                   | 2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                 | 1                         | 1 1001                         | 5/2/4               | 020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                              | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0                     |
| ,                         | NAME OF THE PROPERTY OF                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                           |                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IVA                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                   |
|                           |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |                                  |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                           |                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                   |
| 1                         | いっとしていっとかい                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            | SAN                              | SAMPLER NAME AND SIGNATURE | AND SIGNAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TURE              |                           |                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |
|                           | "HSTONES MOODER : 3.1"                                                 | 22/67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | .3.2.                                      | PRINT                            | PRINT Name of SAMPLER:     | Ziley Jace boar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ebsen             | + Chris                   | Peles, +                       | + Kendall Lounsen   | Shased                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ni qmə<br>əviəcə                             | eolsu0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | sled Co               |
|                           |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |                                  | STORE SAMPLEK              | Chy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                 |                           | ン                              | 12/5                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                     |
|                           |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                            |                                  | 1 3                        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                           |                                |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |

e-File(ALLQ020rev.3,31Mar05))22Jun2005

### Pace Analytical"

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Company: Xcel Energy                                                                  | Report To:                                                                                      | Chris Pelo                              | elosi      | Attention:            |              | Steve                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Davis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           | The state of the s |                        | REGUL/       | REGULATORY AGENCY    | ENCY                  |                          |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------|------------|-----------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|----------------------|-----------------------|--------------------------|
| Address: Environmental Services                                                       | ices Copy To:                                                                                   | Riley Jacobson                          | cobson     | Company Name:         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NPDES F                | GROUND WATER | VATER                | DRINKING WATER        | NG W                     |
| MP-7                                                                                  |                                                                                                 |                                         |            | Address:              |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           | Boson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _ usr _                | RCRA         | L                    | OTHER MCES            | MCE                      |
| Email To. Chris Pelosi                                                                | Purchase Order No.                                                                              | order No.:                              |            | Pace Quote Reference: | nce:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SITE                   | NC E         | 1 1 L                | L                     | M.                       |
| Phone; (812) 597-7254 Fax:                                                            | Project Number                                                                                  | 8h5h0-17 page                           | 48         | Pace Project Manager  | ger:         | Chris Pelosi/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | si/ Rile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Riley Jacobson                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LOCATION               |              | L scL                | W.                    | OTHER                    |
| Requested Due Date/TAT: 2 We                                                          | 2 Weeks Project Name.                                                                           | ne: Xcel Energy                         |            | Sherco Ponds Spring   | Pace Profile | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           | F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Filtered (Y/N)         | 111          | 111                  | 1                     |                          |
| Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 9-91, 7) | Valid Matrix Code  Information MATRIX  MATRIX  WASTEWATER  WASTEWATER  PRODUCT  SOL. ROLID  OIL | CODE CODE CODE CODE CODE CODE CODE CODE | ATRIX CODE | COL                   | COLLECTED    | TA GME TEMP AT TOTALE | S CONTAINERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Preservatives                             | lo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Requested<br>Analysis: | \$30 M       | STORN (IE            | (NIN) all             |                          |
| Sample IDs MUST BE UNIQ                                                               | UE                                                                                              | 105                                     | /S         | DATE TIME             | -            | TAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CONTRACTOR OF THE PARTY OF THE | GOH<br>NO <sup>3</sup><br>SO <sup>4</sup> | a <sub>2</sub> S <sub>2</sub> C<br>lethan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Some O'ME              | (0d3)        | 1039                 |                       | Pace Project No.         |
| LI                                                                                    | P-01A                                                                                           |                                         | W LM       | 1                     | V            | 1225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 2 1                                     | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                      | ×            |                      |                       |                          |
| . 23                                                                                  |                                                                                                 |                                         | WT G       |                       | 5/4/21       | 1555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ന                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 3                                                                                     | P-03B                                                                                           |                                         | WT G       |                       | 12/4/5       | 5251                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | es.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 4                                                                                     | P-04A *                                                                                         |                                         | WT G       |                       | clehr        | 0251                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | M - W - A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ×                      | ×            |                      |                       |                          |
| 5                                                                                     | P-05A                                                                                           |                                         | WT G       |                       | 5/5/2        | 1310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | හ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 9                                                                                     | P-17                                                                                            |                                         | WT G       |                       | 5/4/21       | 1400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | T                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 7                                                                                     | P-22 *                                                                                          |                                         | WT G       |                       | 12/5/5       | Shri                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 1 2                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 8                                                                                     | P-23                                                                                            |                                         | WT G       |                       | stsly        | 1210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 2                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 6                                                                                     | P-42                                                                                            |                                         | WT G       |                       | 5/4/21       | 1155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | F                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 10                                                                                    | P-43                                                                                            |                                         | WT G       |                       | stylen       | 1345                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| =                                                                                     | P-50                                                                                            |                                         | WT G       |                       | 5/6/11/0950  | 03.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| 12                                                                                    | P-50B                                                                                           |                                         | WT G       |                       | Stelly       | 5480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 1                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                      | ×            |                      |                       |                          |
| Additional Comments:                                                                  |                                                                                                 | RELINQUIS                               |            | HED BY / AFFILIATION  |              | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ACCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ACCEPTED BY / AFFILIATION                 | ATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE                   | TIME         | SAMPLE CONDITIONS    | CONDIT                | NOI                      |
|                                                                                       |                                                                                                 | Zhe                                     | a ha       |                       | 4/6/5        | ocas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1/4cm                                     | S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5/7/21                 | Ocesso       | 7.1                  | N/A                   | NE                       |
|                                                                                       |                                                                                                 |                                         | 1          |                       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |              | N/A                  | N/A                   | N/A                      |
| •                                                                                     |                                                                                                 |                                         |            |                       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |              | N/A                  |                       | N/A                      |
|                                                                                       |                                                                                                 |                                         |            |                       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |              | N/A                  | N/A                   | N/A                      |
| SHStrps: monder                                                                       | 1.2 19%                                                                                         | ار                                      |            | SAMP                  | PLER NAME A  | SAMPLER NAME AND SIGNATURE PRINTINSHIP OF SAMPLER: 7/14/ Jacobson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | + Cheis Pelesi                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Kendall                | Lownser      | O° ni qr<br>no bevie | lce<br>stody<br>stody | ed Cooler<br>oles Intact |
| lang fresh                                                                            |                                                                                                 |                                         |            | A STORE               | URES SAMPLER | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | John Chi                                  | DO (MM/DO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | Khh.         |                      |                       |                          |



### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Peca Preject Na. Lab I.D. DRINKING WATE OTHER N/A Samples Intact OTHER MCES SAMPLE CONDITIONS of Custody Sealed Cooler N/A N/A REGULATORY AGENCY N IN Page: Received on lce N/A N/A GROUND WATER | Sor O. ni qmeT MN J HO 1800 300 TIME RCRA \* Kendall Johnson LOCATION NPDES -iltered (Y/N) SITE DATE TSU \_ 5/5/2 Requested Analysis: 12/4/5 × ACCEPTED BY / AFFILIATION lonsitiel KE MARTER Riby Lacabson + Chris Pelesi EOSSSEV Ca HOEN Jacobson IOH €ONH 1 1 1 -----\*OSZH --Unpreserved Chris Pelosi/ Riley Steve Davis 3 # OF CONTAINERS 50 3 10 3 00 3 SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT TIME 1800 2000 2920 03-10 1235 1125 Sires 1435 150 1300 0110 0000 TIME Slutzi 12/1/21 514/21 12/1/5 12/1/5 SHAMI 12/11/5 12/5/5 17/1/5 RELINQUISHED BY / AFFILIATION DATE 12/11/5 Shille 12/1/5 DATE COLLECTED ace Quote Reference: Pace Project Manager. TIME Invoice Information Company Name Section C DATE Ponds Tark Jack Xcel Energy Sherco 0 0 9 0 0 0 0 0 O 0 TW Rilley Jacobson TW TW TW M WT TW TW TW TW MATRIX CODE Chris Pelosi Sh 563-12 agunn toelord Required Project Information; CODE Purchase Order No. \*Submitting 30 Suples + 3 Duf + 3 Joze : 1280047 July 2.20 Project Name: Section B -Res 514/21 Report To: Copy To: Required Client Information P-90A P-92A P-92B P-92D P-88 P-56 D9-4 P-62 99-d 100 P-90 Environmental Services One Character per box. (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLEID Chris Pelas Xcel Energy Required Client Information: Fax: Requested Due Date/TAT: Section D Additional Comments: Phone; (612) 597-7254 Section A mail To: H MHI

e-File(ALLQ020rev.3,31Mar05))22Jun2005



# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Company:              | Xcel Energy                                                                         | Report To:                                                             | Chris Pelosi                                 | Si         | Attention:           |                              |                                                                | S                               | Steve D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Davis       |         |                                                |                        | RE              | REGULATORY AGENCY                       | Y AGEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ιςγ                      |
|-----------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------|------------|----------------------|------------------------------|----------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|------------------------------------------------|------------------------|-----------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Address:              | Environmental Services                                                              | Copy To:                                                               | Riley Jacobs                                 | son        | Company Name         | Name:                        |                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                                | L NPDES                | 1>              | GROUND WATER [                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DRINKING WATE            |
|                       | MP-7                                                                                |                                                                        |                                              |            | Address:             |                              |                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                                | L UST                  | L               | A                                       | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OTHER MCES               |
| Email To:             | Chris Pelosi                                                                        | Purchase Order No.:                                                    | er No.:                                      |            | Pace Quote Reference | e Referen                    | ce:                                                            |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                                | SITE                   | NC.             | MN L                                    | N L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | M                        |
| Phone; (612) 597-7254 | 7-7254 Fах.                                                                         | Project Numbe                                                          | Project Number 21-84548                      |            | Pace Project Manager | ect Manage                   | er:                                                            | Chris F                         | Pelosi/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Riley       | Jaco    | Jacobson                                       | LOCA                   | LOCATION        | L HO                                    | SCT W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | WIF OTHER                |
| Requested D           | Requested Due Date/TAT: 2 Weeks                                                     | Project Name.                                                          | Xcel Energy                                  |            | Sherco Ponds Spring  | Spring                       | Pace Profile                                                   | . #.                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                                | Filtered (Y/N)         | YIN)            | 111                                     | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                        |
|                       | Section D Required Client Information SAMPLE ID One Character per box. (A.2, 0.94,) | Valid Matrix Codes MATRIX DIRING WATER WASTER WASTER PRODUCT SOULSOLID | CODE  VOW VOW VOW VOW VOW VOW VOW VOW VOW VO | ATRIX CODE | C=COMP               | COLLI                        | COLLECTED                                                      | DAGRAB                          | TA GME TEMP AT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SHEWATHOO = | elved   |                                                | Requested<br>Analysis: | Ed VP &         | Salan (C                                | Ed ADO (15<br>Ed ADO (15<br>Ed ADO (15)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |
| LEW                   | Salliple IDS MOST BE UNIQUE                                                         |                                                                        | 44                                           | S          | -                    | TIMAE                        | DATE                                                           | TIME                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | *os²    | ethar<br>a <sub>2</sub> S <sub>2</sub> C<br>CI | W.D                    | SO MI SO MI     | 1000                                    | Phoise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Paca Project No.         |
| LIF                   | C105-9                                                                              |                                                                        |                                              | WT         |                      | - IMALE                      | A 19.                                                          | TIME.                           | The state of the s | m           | н -     | N<br>N                                         | S ×                    | ×               | 2                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| 2                     | P-56                                                                                |                                                                        |                                              |            |                      |                              | 12/h/s                                                         | 1115                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +           | -       |                                                | ×                      | ×               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| 8                     | P-60                                                                                |                                                                        |                                              | WT G       |                      |                              | stute                                                          | 2920                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 60          | +       | T-                                             | ×                      | ×               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| 4                     | P-62                                                                                |                                                                        |                                              | WT G       |                      |                              | 17/1/21                                                        | 5480                            | 7414 mg 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ന           | 1 1     | <b>*</b>                                       | ×                      | ×               | *************************************** | VICTORION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| 5                     | P-66                                                                                |                                                                        |                                              | WT G       | .023                 |                              | 12/1/13                                                        | 1435                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m           | 1 1     | 1                                              | ×                      | ×               |                                         | Sales and the sa |                          |
| 9                     | P-88                                                                                |                                                                        |                                              | WT G       |                      |                              | 17/1/15                                                        | 0511                            | Die mark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | m           | 1       |                                                | ×                      | ×               |                                         | MIN TOWN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |
| 7                     | P-89-1                                                                              | ,                                                                      |                                              | WT         |                      |                              | siste                                                          | い王                              | WANTE OF THE PARTY | es          | -       | -                                              | ×                      | ×               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| ဆ                     | P-90                                                                                |                                                                        |                                              | WT G       | No.                  |                              | stutes                                                         | 1235                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 67          | +       | -                                              | ×                      | ×               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| 6                     | P-90A                                                                               |                                                                        |                                              | WT         |                      |                              | 5/4/27                                                         | 1300                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m           | -       | -                                              | ×                      | ×               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| 10                    | P-92A                                                                               |                                                                        |                                              | WT G       |                      |                              | 12/4/5                                                         | 0460                            | AND VICTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 60          | +       | -                                              | ×                      | ×               |                                         | -,00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |
| Ξ                     | P-92B                                                                               |                                                                        |                                              | WT G       |                      |                              | 12/1/5                                                         | BIO                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 60          | 1       | 1                                              | ×                      | ×               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| 12                    | P-92D                                                                               |                                                                        |                                              | WT G       |                      |                              | 12/4/5                                                         | 2480                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m           | 1 1     | 1                                              | ×                      | ×               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| Additional Comments:  | omments:                                                                            |                                                                        | RELINQUISH                                   |            | HED BY / AFFILIATION | ATION                        | DATE                                                           | TIME                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ACCEPTED    | TED B   | BY / AFFILIATION                               |                        | E TIME          | anes.                                   | PLE C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SAMPLE CONDITIONS        |
|                       |                                                                                     |                                                                        | Head                                         | 9          |                      |                              | 1/4/2                                                          | 2000                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1           |         | /xcel                                          | 12/1/5                 | 21 DUST         | 1.7 5                                   | Qu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A                      |
|                       |                                                                                     |                                                                        |                                              |            |                      |                              |                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                                |                        |                 |                                         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                      |
| ,                     |                                                                                     |                                                                        |                                              |            |                      |                              |                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                                |                        |                 | -5.                                     | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                      |
|                       |                                                                                     |                                                                        |                                              |            |                      |                              |                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                                |                        |                 |                                         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                      |
| 7                     | 2 HStrps: MD 60-402                                                                 | 705                                                                    |                                              |            |                      | SAMPLER N<br>PRINT Name of S | SAMPLER NAME AND SIGNATURE PRINT NAME OF SAMPLER RING JACE DES | AND SIGNATURE<br>Riley Jacobson | NATURE<br>Ace by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | + Chris | Pelos; +                                       | Kendall (MA) DO PYT    | Kendall Johnson | O° ni qmeT                              | Received on<br>lce                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Custody<br>Sealed Cooler |



# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| According   Company   Co   | Section A        | nt Information                                        | Section B     | and Information. |     | S.         | Section C    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |       |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |       |                  |                                                                                                                | Page:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | of        | -         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------|---------------|------------------|-----|------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------|-------|-------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------|------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| MR-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | namphau our      | all mornidation                                       | iou i nambay  | ect miloimation. |     | =          | voice intorn | auon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Control of the last of the las |                    |       |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |       |                  |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| Charge   Contract   Charge   Contract   Charge   Contract   Charge   Char   | Company:         | Xcel Energy                                           | Report 16:    | Chris Pelo       | 181 | ₹          | tention:     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | reve D.            | SIVE  |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |       | SEGUL)           | TORY                                                                                                           | AGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>`</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |           |
| Cling Page   Cli   | Address:         | Environmental Services                                | Copy To:      | Riley Jacob      | Son | ŏ          | ompany Na    | ne:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Or other particular pa |                    |       |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I NPDE               | 1>    | ROUND            | NATER                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DRINKIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | JG WAT    | Ш         |
| Fig.   Propose Propo   |                  | MP-7                                                  |               |                  |     | Ac         | dress.       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |       |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TSU _                | 1     | CRA              |                                                                                                                | 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DITHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MCES      |           |
| The control of the proper business   Proper bu   | Email To:        | Clyris Pelosi                                         | Purchase Orde | er No.           |     | P.         | ace Quote F  | eferenc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 93                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |       |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SITE                 |       | NW C             |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| All                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Phone; (612) 597 |                                                       | Project Numbe | 3h5no-12,        |     | g.         | ace Project  | Wanage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Chris F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Jelosi/            | Riley | Jaco  | nosq                                      |           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LOCAT                |       | HO               | L                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DTHER     |           |
| Page      | Requested Di     |                                                       | Project Name: | Xoel Energ       | 1 > | rco P      | onds Spi     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pace Piatrie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | .#.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |       |       |                                           |           | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | iltered (Y/          | ()    | 1                | 1                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |           |
| Pagno  |                  | Required Client Information SAMPLE ID (A.Z. 0.91, c.) |               | CODE             |     | RAB C=COMP | ) )          | SOLLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |       |       | Preserve                                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | equested<br>nalysis: | 10000 | SOUNT            | aha-900<br>caha-900                                                                                            | SA-202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | - And                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |           |
| PAGENT WIT G STAPE 1115 3 1 1 1 1 X X X X X X X X X X X X X X X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MaTi             | Sample los Must be Unique                             |               | 6.0              |     | 0=0        | DATE         | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Щ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |       | *OSZH | IOH                                       | DSSSEV    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ONE ON               |       | (0434)<br>(0434) | (0434)<br>(0434)                                                                                               | Phoiso                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | a Project | 2º Q      |
| Pagg WT G S/4/11 1020 3 1 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                | P-93A                                                 |               |                  | 1   | 9          |              | The same of the sa | 12/1/5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |       | -     |                                           |           | )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ×                    |       | ×                |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| PAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                | P-93B                                                 |               |                  |     | 9          |              | - 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | s/yles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Promovorment       |       | +     |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                    |       | ×                | gelegenessen)                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | -         |
| PHOTON  PHOTON  PHOTON  PHOTON  PHOTON  WHI G STAFFILLATION DATE  PHOTON  PHOTON  PHOTON  WHI G STAFFILLATION DATE  PHOTON  WHI G STAFFILLATION  SO SEMPLE PHOTON  SO SEMPLE P | e                | P-93D                                                 |               |                  |     | 9          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 11/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |       | -     |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                    |       | ×                |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| P-1016  P-1016  P-1016  WT G  S[4  P1  105C  S 1 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                | Ap6-4                                                 |               |                  | _   | 1          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 3     | -     |                                           |           | nation of comp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ×                    |       | +                |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| P-1018  P-1018  P-127  P-129  P-131   | 5                | P-101A                                                |               |                  |     | 9          |              | -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No.                |       | +     |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                    |       | ×                |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | 1         |
| #120  #120  #120  #120  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130  #130   | 9                | P-101B                                                |               |                  |     | 9          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.501                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |       | -     |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                    |       | ×                | De la constantina de |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| FOLSON WIT G S/3/Z1 10.35 4 1117   X X X X X X X X X X X X X X X X X X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7                | H-126                                                 |               |                  |     | 9          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 7     | #     |                                           |           | ****                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ×                    | H     | ×                |                                                                                                                | NAMES COMES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | 900390400 |
| PURES  PU | æ                | 121-d                                                 |               |                  |     | 0          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | And an analysis of the latest and th |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 52    | E     |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                    |       |                  | 1                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| ## 6  PHEB   | 6                | P-128                                                 |               |                  | TM  | 9          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 6     | #     |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                    |       | ×                | 1                                                                                                              | MANAGEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AND DESCRIPTION OF THE PERSON | -         |           |
| Put   S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9                | H-651-d                                               |               |                  |     |            |              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 8     |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                    | Ħ     |                  | 1                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |           |
| So Scimples + 3 Durp Charles BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITION  So Scimples + 3 Durp Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  Solve - Rus 5/4/21 1800 Charles BY / AFFILIATION DATE TIME SAMPLE CONDITION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4/21 1800 Charles BY / AFFILIATION  SOLVE - Rus 5/4 | F                | — <del>130</del>                                      |               |                  |     | 0          |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | -     | Ë     |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | in the same          | Ħ     |                  | k                                                                                                              | Name of the last o |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | 1         |
| So Samples + 3 Due Pace STYP21 1800 (MAYO Pace STYP1 1800 STYP1 STYP1 1800 STYP1 STYP1 STYP1 1800 STYP1 ST | <u>t</u> 4       | P-131                                                 |               |                  | -   | - 5        |              | X1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5/3/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1035                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strategy verlagger |       | +     | -                                         |           | COLUMN TO THE PARTY OF THE PART | ×                    |       |                  | ×                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | omecounterference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -         | 1         |
| SAMPLER NAME AND SIGNATURE  PRINT NAME OF SAMPLER COOLET CLAY, S. R. C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Additional Co    | mments:                                               |               |                  | 표   | BY /       | AFFILIAT     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    | CCEPT | ED B  | ( / AFF                                   | ILIATIC   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATE                 | _     | IME              | SAME                                                                                                           | LE C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TIONO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ONS       |           |
| SAMPLER NAME AND SIGNATURE  FRINT Name of SAMPLER PLAY SIGNATURE  SEQUENCE PRINT NAME OF SAMPLER PLAY SIGNATURE PRINT NAME OF SAMPLER PLAY SIGNATURE PRINT NAME OF SAM | *Saba            | Hon 30 Samples + 3                                    | 6             | The              | 1   | (12        | ace          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12/4/5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    | 9     | 3     | \<br>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 3         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 14/1/S               | 1/8   | 300              |                                                                                                                | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A       |           |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER P. P. CALP., S. P. CALP., S. P. CALP. S. | 1                | 20                                                    | ב המרב        | 0                | 7   |            | 24           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5/5/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    | 1     | R     | ~                                         | X         | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15/2                 |       | 300              |                                                                                                                | NE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/        | 1         |
| SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER DISCONDER COOLEY SIGNATURE STORY PRINT Name of SAMPLER DISCONDER COOLEY STORY | ,                | 2 NINSC - Kes 5/4/1                                   | _             | 3                | 3   |            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 1     |       | 1                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | _     |                  |                                                                                                                | )N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | )WA       |           |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER PRINTED SIGNATURE  SEGUNDARIES PRINTED TO BATE SIGNATURE  SEGUNDARIES SIGNATURE  SEGUNDARIES SIGNATURE  SEGUNDARIES SIGNATURE  SEGUNDARIES SIGNATURE  SEGUNDARIES SIGNATURE  SEGUNDARIES SIGNATURE  CAN'S RELEASE TO STAND SIGNATURE  SEGUNDARIES SIGNAT |                  |                                                       |               |                  |     |            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |       |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |       |                  |                                                                                                                | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A       |           |
| PRINT Name of SAMPLER Play Justice + Chr. SPELSS; + Rendrall Jahrascon in Proceedings of Special Schares. Company of Comp |                  | //ctras no                                            |               |                  |     |            | 3)           | AMPLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | R NAME A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ND SIGN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ATURE              |       |       |                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |       |                  | Э.                                                                                                             | uo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | bein      |           |
| 15/2/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15/3/2 15 | +                | 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1               | 2000          |                  |     |            | <u> </u>     | SINT Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | e of SAMPLER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Piley Ja                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | cobscor            | 1     | Jar.  | 12                                        | TE Signed | L. K.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ndall.               | Salva | 3                | ni gmə                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ıl səldm  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  | it sooks did                                          | ,             |                  |     |            |              | J 11.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Car                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                  |       |       |                                           |           | U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12/3                 |       |                  | L                                                                                                              | В                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | es .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | es        |           |

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately,

Pace Analytical"

DRINKING WATER N/A 0 OTHER SAMPLE CONDITIONS OTHER MCES of N/A N/A N/A REGULATORY AGENCY N N Page: 3 0 N/A N/A = SCL GROUND WATER | NC WN LHO 58 TIME RCRA × L LOCATION iltered (Y/N) NPDES 21/2 DATE SITE × TSU T equested nalysis: ACCEPTED BY / AFFILIATION lonsities Ke 1825203 HOBI Chris Pelosi/ Riley Jacobson IOI FONH 1 1 2 -\*052 Steve Davis 00 3 3 9 0 3 0 65 0 4 # OF CONTAINERS 00 SAMPLE TEMP AT 2500 0501 1505 1020 1045 10201 2521 0021 12/3/5 1035 アニ 1120 5/5/W 0855 0101 12/5/S TIME COMPOSITE END/GRAE 12/11/5 14513 2/4/5 stotu 12/2/2 5/4/21 12/4/21 11/2/2 5/4/21 RELINQUISHED BY / AFFILIATION DATE 12/4/5 DATE COLLECTED ace Quote Reference: ace Project Manager TIME Invoice Information. Xcel Energy Sherco Ponds Spring Sompany Name COMPOSITE START Section C DATE SAMPLE TYPE G=GRAB C=COMP 0 9 0 0 0 9 0 O 0 0 0 WT G WT TW WT TW WT WT TW WT TW TW Riley Jacobson TW MATRIX CODE Chris Pelosi 3h5h0-12 Required Project Information: Purchase Order No. roject Number Project Name: Section B Report To: Copy To: Section D Required Client Information P-101A P-101B P-93D P-126 P-129 P-130 P-93A P-93B P-94A P-127 P-128 P-131 **Environmental Services** 2 Weeks One Character per box. (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLE ID Xcel Energy Chris Pelosi MP-7 Section A Required Client Information: Fах: equested Due Date/TAT: Additional Comments: hone, (612) 597-7254 mail To: ompany ITEM #

The my worth: 2.1°C

e-File(ALLQ020rev.3,31Mar05))22Jun2005

12/4/5

N/A

N/A

N/A

Samples Intact

Sealed Cooler

Custody

Received on

J. ui dmeT

Kendall Sohnson

+

Pelos:

+ Chris

Riley Trespour

SAMPLER NAME AND SIGNATURE



## CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Required Client Information: Company: | Mormation.                                                                  | Report To:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Report To: Chas Palos                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | i seja                             | Attention:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | lallon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | to         | Steve Da           | Davis          |                           |                            | REGUL           | REGULATORY AGENCY | GENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------|----------------|---------------------------|----------------------------|-----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| and the second                        | (Bissin paw                                                                 | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    | No contract of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | And the second s |            |                    |                |                           |                            |                 |                   | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audiess.                              | Environmental services                                                      | Copy to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rilley Jaci                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Jacobson                           | company war                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                    |                |                           | NPDES                      | >               | GROUND WATER :    | DENIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DRINNING WATER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                       | MP-7                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    | Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                    |                |                           | TSU T                      |                 | 1_                | OTHE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OTHER MCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Email To:                             | Chas Pelas                                                                  | Purchase Order No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | der No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    | Pace Quote Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | eference:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -          |                    |                |                           | SITE                       | NC.             | 1 1 LT            | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Phone: (612) 597-7254                 | Fax                                                                         | Project Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Xh-5h0-12 199                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ×                                  | Pace Project Manager:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Manager:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Chns F     | Pelosi/            | Riley Jacobson | cobson                    | LOCATION                   |                 | Lisci-            | · W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Requested Due Date/TAT:               | ate/TAT: 2 Weeks                                                            | Project Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | rgy Sherco                         | Ponds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Spring Page Premie #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | # 211      |                    |                |                           | Filtered (Y/N)             | /// 0           | 111               | 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Section D                             | Required Client Information SAMPLE ID te Character per box. (A-2, 0-9 / ,-) | Valid Matrix Godor MATIRIX Denkaig wafer wafer waser wafer soulsouch Soulsouch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CODY<br>from<br>street                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | EAYT EJAM<br>PLE TYPE<br>PMOS 3 8A |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OLLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | TA PLE TEMP AT     | CONTAINERS     |                           | Requested<br>Analysis:     | Sava.           | SABATO S          | (NIX) BUUQUC<br>Ed-805 (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                       | Sample IDs MUST BE UNIQUE                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IAS                                | COMPOSITESTARI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | COMPOSITE END/GRAB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _          | 22                 | ese            | ε                         | 10                         | 100/100         | 140               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Paus Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| IEI                                   |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                                  | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TIME DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TIME       | U. TALL THE AND    | ıqnU           | -                         | Othe                       | 1   (SE)   (SE) | 36                | - 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lab I.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| -                                     | P-132                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/2/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1305       | pasturnayas        | 4 1            | 1 2                       | ×                          | ×               | ×                 | de la constante de la constant | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2                                     | P-150                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5/3/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 040        |                    | 2 1            | 7                         | ×                          |                 | ×                 | Control of the Contro | and the second second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 6                                     | 181-1                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +          |                    | 1 2            |                           | ×                          |                 | ×                 | and the second second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4                                     | P-152A                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | the property of the party of th | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/11/5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0571       |                    | 2 1            | <del></del>               | ×                          | × ×             | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ਪੰ                                    | P-153                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | The state of the s | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5/3/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1435       | SOCIOCOM SELECTION | 2 1            | -                         | ×                          |                 | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 9                                     | P-154A                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5/3/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20h1       |                    | 2 1            |                           | ×                          |                 | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 7                                     | 9-199                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +          |                    | 7 7            | i i                       | ×                          | *               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | - Annual Control of the Control of t |
| 83                                    | D 156                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                    |                |                           | ×                          | ×               | - manual          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| o.                                    | P-157                                                                       | en-branching and a second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | enterent secretarion de la composition della com | WIG                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                    | 1 2            |                           | ×                          | *               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10                                    | P-158                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16/5       |                    | 2 1            | -                         | ×                          | ×               | ~                 | A comment of the comm | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                       | P=162                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | es investment      | 5 4            |                           | *                          |                 | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 12                                    | EQL-4                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT                                 | And the second s |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | 0000               | 2 1            | + + + +                   | ×                          | +               | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Additional Comments:                  | ents:                                                                       | Name and Address of the Owner, where the Owner, which is the Owner, which is the Owner, where the Owner, which is the Owner, which | RELINGUISH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    | ED BY / AFFILIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TION DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TIME       |                    | SCEPTE         | ACCEPTED BY / AFFILIATION | ON DATE                    | TIME            | SAMPLI            | SAMPLE CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Y. Cabo                               | 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 74                                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | duhi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1800       | _                  | My             | 1D. Ru                    | 12/14/5                    | 1800            |                   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T TOWN                                | )                                                                           | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10,1                               | 10 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14/5/5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _~         |                    | P.             | J Keel                    | 17/5/5                     | 280             |                   | NC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 38                                    | 3 RINSE - RUS 514/21                                                        | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                    |                |                           |                            | 5               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                       |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            | 1                  |                |                           |                            |                 |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| G                                     | Alstrice Po                                                                 | 20402                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    | 9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SAMPLER NAME AND SIGNATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | E AND SIGN | ATURE              |                |                           |                            |                 |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | neloc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| +                                     | 1.0 M 2008 11 3.2°C                                                         | 1.2.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8          | Piley Iscobson     | +              | Churs Relessi             | + Kndall Jungen            | 1-run ser       | ni qme            | eolese<br>Sustoc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | O bele<br>Popular I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| )                                     | الما الما                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    | ගේ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JENATURE OF SAMPLER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | R. C.      | 000                |                | DATE Signed               | DATE Signed (MM / DD / YY) |                 | -                 | è                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 295                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



## CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| The properties   The    | Section A<br>Required Client Information: |                                       | Section B<br>Required Proje | Section B<br>Required Project Information: | Secti      | Section C<br>Invoice Information: |              |             |              |         |                        |               |          |          | Page: 4     | 4 of        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------|-----------------------------|--------------------------------------------|------------|-----------------------------------|--------------|-------------|--------------|---------|------------------------|---------------|----------|----------|-------------|-------------|
| Fig.   Parties Devices   Cutri Fellos   Parties Devices   Cutri Fellos   Parties Devices   Cutri Fellos   Parties Devices   Parties Devi   |                                           | nergy                                 | Report To:                  | Chris Pelosi                               | Attent     | ion;                              |              | Stev        | e Davis      |         |                        |               | REG      | JLATORY  | AGENC       | <b>&gt;</b> |
| Miles   Mile   |                                           | ital Services                         | Copy To:                    | Riley Jacobson                             |            | any Name:                         |              |             |              |         |                        | - NPDE        | 1>       | ND WATER |             | NKING V     |
| Fig. 2   Paris Pelos    Paris Pelo   | MF                                        | 2-2                                   |                             |                                            | Addre      | SS                                |              |             |              |         |                        | L UST         | L RCRA   | _        | TO          | HER MC      |
| 100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100    |                                           | Pelosi                                | Purchase Orde               | ar No                                      | Pace       | Quote Reference                   | .:.<br>6::   |             |              |         |                        | SITE          | 2        | L        | =           | .L<br>W     |
| Particle    |                                           |                                       | Project Numbe               | h5h0-12                                    | Pace       | Project Manage                    |              | Chris Pel   | osi/ Rile    | ey Jac  | opson                  | LOCAT         |          | L        | 1           |             |
| Parallel Collected   Paralle   | Requested Due Date/TAT:                   | 2 Weeks                               | Project Name:               | Xcel Energy Sh                             | nerco Pon  |                                   | Pace Profile |             |              |         |                        | Filtered (Y/I | (2)      | 1111     | 1           | 1           |
| Parties   Part   | Section D                                 | ed Client Information E ID r per box. | > 21 23 3 2 8 2             | -K                                         |            | COLLE                             | CTED         |             |              | paz     | Preservatives          |               | i de     | 00000    | (NIN) SUUGE |             |
| P.182 P.183 WT G 5/3/12 (410 2 1 1 1 2   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           | BE UNIQUE                             |                             |                                            | G=6R       | STESTART TE TIME                  | COMPOSITE EN | AMAS        | Win or Miles | -       | 1352503<br>130H<br>101 | O'ME          | 978000 P | PEDOP    | S) Jenou    |             |
| P-150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | •                                         | P-132                                 |                             | TW                                         | 0          |                                   |              | 1305        | 4            | -       | y<br>y                 | ×             | ×        | ×        |             |             |
| PHISS N WT G SCHILL 1150 2 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                                         | P-150                                 |                             | TW                                         | 9          |                                   | 5/3/21       | 0410        | 2            | 1       | -                      | ×             |          | ×        |             |             |
| P-153 P-154 P-154 P-154 P-155 WT 6 5/5/L1 1/400 2 1 1 1   X X X X X X X X X X X X X X X X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                                         | P-151                                 |                             | TW                                         | 9          | O,                                | -16/2        | 1550        | 2            | -       | -                      | ×             |          | ×        |             |             |
| P-1564  P-1564  WT G  S/5/L1 1/400  P-156  P-156  WT G  S/5/L1 1/400  P-156  WT G  S/5/L1 1/400  P-156  P-156  WT G  S/5/L1 1/40  S/5/L | 4                                         | P-152A                                |                             | TW                                         | 9          |                                   | 5/4/21       | 0521        | 2            | -       | -                      | ×             |          |          |             |             |
| P-166 1  P-166 1  P-166 1  WIT G 5/5/21 1345 2 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                                         | P-153                                 |                             | TW                                         | 0          | O)                                | 5/3/21       | 55h1        | 2            | -       | -                      | ×             |          | ×        |             |             |
| P-166 1.  P-166 1.  WIT G \$\(5\frac{5\frac{7\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\frac{17\fra      | 9                                         | P-154A                                |                             | TW                                         | O          |                                   | statu        | 1400        | 2            | +       | -                      | ×             |          | ×        |             |             |
| P-156 . WIT G \$\(\zeta \color{\zeta \c      | 7                                         | P-155                                 |                             | TW                                         | 0          | VI                                |              | 5451        | 2            | -       | -                      | ×             | ×        |          |             |             |
| P-158  P-158  P-158  WT G  S/4/21 16/5 2 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8                                         |                                       |                             | TW                                         | 9          |                                   | 11/2/21      | irss        | 2            | 1       | -                      | ×             | ×        |          |             |             |
| P-162  P-162  WIT G  S15/121 [16/5]  2 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | S                                         |                                       |                             | WT                                         | 9          | ~                                 | -            | 011         | 2            | -       | 1                      | ×             | ×        |          |             |             |
| P-162 , WT G 5/5/14/0730 2 1 1   X   X   X   X   X   X   X   X   X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10                                        | P-158                                 |                             | TW                                         | 9          | 5                                 | 12/4/21      | 10/5        | 2            | -       | -                      | ×             |          | ×        |             |             |
| P-163 , WT G STS/NOW BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  2 1 1 1   N   X   X   X   X   X   X   X   X   X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           | P-162                                 | -                           | WT                                         | 9          | 9                                 | 11/5/2       | 5485        | 2            | -       | -                      | ×             |          | ×        |             |             |
| RELINGUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  RELINGUISHED BY AFFILIATION DATE TIME SAMPLE CONDITION  RELINGUISHED BY AFFILIATION DATE TIME SAMPLE CONDITION  RELINGUISHED BY AFFILIATION DATE  THE SAMPLE CONDITION  SAMPLER NAME AND SIGNATURE  PRINT NAME OF SAMPLER RIGHT SAMPLES OF SAMPL | 12                                        | P-163                                 |                             | WT                                         | 9          |                                   | MISIN        | 0830        | 2            | -       |                        | ×             |          | ×        |             |             |
| HSTrips: MODULZ  HSTrips: MODULZ  PRINTING OF SIGNATURE  PRINTING OF | Additional Comments:                      |                                       |                             | WKCCCC)                                    | D BY / AFI | TENNINE (                         | DATE         | TIME        | ACCE         | PTEN 9  | Y / AFFILIATION        |               | TIME     | SAMPL    | E CON       | NOILIO      |
| # SAMPLER NAME AND SIGNATURE  PRINT Name of THE SAMPLER NAME OF THE  |                                           |                                       |                             | 20ul                                       | 2          | · W                               | 13/2         | 0650        | #            |         | 1/xc.1                 | 5/1/2         |          |          | NAC         |             |
| HSTrips; MODULZ  PRINT Name of SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER NAME OF SAMPLER NAME OF SAMPLE N |                                           |                                       |                             | C                                          |            |                                   |              |             |              |         |                        |               |          |          | N/A         |             |
| SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER. PIEW J.cobscn. + Chwiz Peles: + Kindell Janusen  The Custody Ocoller  Custody  College Colle | ,                                         |                                       |                             |                                            |            |                                   |              |             |              |         |                        |               |          |          | N/A         | 1 200.0     |
| SAMPLER NAME AND SIGNATURE  PIRAT Name of SAMPLER.  PIRAT SAMPLER.  PIRAT LEGISCO + CLAVIS DESCRIPTION OF THE CONTROL OF THE C |                                           |                                       |                             |                                            |            |                                   |              |             |              |         |                        |               |          |          | N/A         |             |
| SecuronRe of Sauce ER Control (MM.IDD/YY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.245HB                                   | ps; mo                                | 2000                        |                                            |            | SAMPLE                            | R NAME A     | AD SIGNATUR | 4            | STORY . | Peles                  | Kendertt 3    | orn Sec  | O° ni qr | lce         |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 Temps                                   | 1400071                               | 12:                         | )                                          |            | S. S. C.                          | 3            | T           | 1100         | 1       | DATE Signed            | A/DD/YY)      | 12/2/    | neT      |             |             |

e-File(ALLQ020rev.3,31Mar05))22Jun2005



## CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Siley Jacobson   Annual Properties   Siley Jac   | The Riley Jacobson American Steve Days  Advanced To Riley Jacobson Outputy Name  The Name American Name Output Name Institute Days Institu | Section A      |                        | Section B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                           | Section C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                |          |            |                                            | Ра                                      | Page: 5               | of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|----------|------------|--------------------------------------------|-----------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The Right Japoness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | THE RING JURIS PRIESS AGREEMENT AND THE COLLECTED AND THE THREE PERSONALITY AND THE CONTRIBUTION AND THREE PERSONALITY AND THE CONTRIBUTION AND THREE PERSONALITY AND THREE PERS | nedninea       | neht Inormation.       | for a paniphay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           | Invoice Intermation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | J.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | in the second  |          |            |                                            |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| The   Right Jacobboan   Continuent   Chaires   | The Chart   Company Number   Chart     | Company:       | Xcel Energy            | Keport Io;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Chris Pelosi              | Attention:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Steve                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Davis     |                |          |            | REGULAT                                    | FORY AG                                 | ENCY                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Court No.   Cour   | Prince Coulor Reference   Prince Coulor Re   | Address:       | Environmental Services | Copy To:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Riley Jacobson            | Company Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                | _        |            |                                            | ATER I                                  | DRINK                 | NG WATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Part   Court No.   Part   Court   Part      | Proc. Outside National Proc. Date: Signing   Proc. Proc. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                | MP-7                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           | Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                |          | UST        |                                            | L                                       | OTHER                 | MCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Charge Points Soring   Park Points      | Collection   Col   | Email To:      | Chris Pelosi           | Purchase Orde                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | r No.:                    | Pace Quote Refer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ence:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                |          | SITE       | Z                                          |                                         |                       | Mi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Filtered (78)   Filtered (78   | Commence   Collected   Colle   | Phone: (612) ( |                        | Project Numbe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           | Pace Project Mana                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | iger.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Chris Pelo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Riley     | acobson        | <u>-</u> | OCATION    | 1_                                         | LJos _                                  | > IM                  | OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| State   Collected   Collecte   | State Code   State     | Requested      |                        | Project Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Australia.                | o Pands Spring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | , #,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                |          | ered (Y/N) | 1111                                       | 111                                     | 1                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| P-93E    WIT G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (P-939)  WIT G  WIT G  WIT G  WIT G  WIT G  STAIR 11940  WIT G  STAIR 1020  ST |                | 0 0                    | Valid Matter Codess  MATRIX DISPOSATER WASTE WASTE WASTE WASTE WASTE SOL-SOLID OIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ADOD XIRTAM  BAYT BJAMA\$ | COMPOSITESTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TA 9MPLE TEMP AT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | breserved | Preservative   | thanol   | 1000       | 23CAN [TAOP2<br>23CAN [TAOP2<br>23C [TAOP2 | 5048-40-0 (140-00)<br>504-80-0 (140-00) |                       | Name Project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| (P-93b)  WIT G   | WI   G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 11)            |                        | Anneason of the Control of the Contr |                           | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | lun       | HC<br>HC       | eM       | 15         | 8                                          | 100                                     | 8                     | Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WIT G   STUPLE   1540   2   1   1   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (P-93D)  WIT G  WIT G  WIT G  S/4/R1, 15440  WIT G  S/4/R1, 15440  WIT G  S/4/R1, 15440  WIT G  S/4/R1, 16440  WIT G  S/4/R1, 16440  WIT G  S/4/R1, 16440  WIT G  S/4/R1, 16440  WIT G  S/4/R1, 16400  WIT G  WIT G  S/4/R1, 16400  WIT G  WIT G | -              | P=164                  | 0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the second of the second s | And a second structure of the second | 7         |                |          | ×          |                                            | *                                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WIT G  WI | (P-93B)  WIT G  WIT G  WIT G  WIT G  STAIN 15548  WIT G  STAIN 15248  WIT G  WIT G  STAIN 15248  WIT G  W | ۲۵             | P=103                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 4       |                |          | *          |                                            | *                                       |                       | and the same of the same of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| WIT G   S/4/P1   S/4/P2   S/   | (P-93D)  WIT G  WIT G  WIT G  STUING IS THE INTER ACCEPTED BY AFFILLATION  PATE SAMPLER NAME AND SIGNATURE  THANK NAME of SAMPLER NAME AND SIGNATURE  THANK SAMPLER NAME AND SIGNATURE SAMPLER NAME SA | 8              | £4.4                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2         |                |          | *          | ×                                          |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WIT G  WIT G  WIT G  STAIR 1020  WIT G  WIT G  STAIR 1020  WIT G  WIT G  STAIR 1020  WIT G  WIT G | (8-935)  WIT G  WIT G  STAPLATION  WIT G  WIT G  STAPLATION  WIT G  | 4              | P-174                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 1       | -              |          | *          | ×                                          |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WT G   S/4/21   1540   2 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (P-93D)  WT G  WT G  S/4/R1 1/40  WT G  S/4/R1 1/40 | ဌာ             | ST-75                  | The state of the s | 1                         | Andreas Contract Cont | To the second se |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7         |                |          | k          | ×                                          |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WIT G   STAIPL   1540   2   1   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WIT G   S/4/P1   1540   2 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9              | 9/1                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                         | test married and the second married and the second  | and the same of th |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 2       | F              |          | ×          | ×                                          |                                         |                       | S. Higher Co.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| WI G   STUPL   1940   4   1   2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (P-93D) WT G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7              | 771-q                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                         | And a supply of the supply of  | Styla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ehs!                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | -              |          | ×          | ×                                          |                                         | and the second second |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WIT G   STAIT 1 15505   3 1 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (P-93D) WT G  RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME  RELINQUISHED BY AFFILIATION DATE TIME  RUGH, Rame of SMPLER NAME AND SIGNATURE  ROWN NAME OF SMPLER NAME AND SIGNATURE SMPLER NAME SMPLER NAME OF SMPLER NAME SMPLE | 8              | P-178A                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           | The state of the s | 12/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | othi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | -              | V        |            |                                            |                                         | and the second of     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RELINGUISHED BY / AFFILLATION DATE TIME SAMPLE CONDITION  RELINGUISHED BY / AFFILLATION DATE SAMPLE CONDITION  RELINGUISHED BY / AFFILLATION DATE TIME SAMPLE CONDITION  RELINGUISHED BY / AFFILLATION DATE TIME SAMPLE CONDITION  RELINGUISHED BY / AFFILLATION DATE SAMPLE CONDITION  RELINGUISH DATE SAMPLE SAMPLE SAMPLE CONDITION  RELINGUISH DATE SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE S | (P-93D) WT G  RELINQUISHED BY / AFFILLATION DATE TIME ACCEPTED BY / AFFILLATION DATE TIME  RELINQUISHED BY / AFFILLATION DATE  RELINGUISHED BY / AFFILLATION DATE  RELINGUISH DATE  R | 6              | P-178B                 | Company of the Additional State of the State |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sa51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | -              |          | ×          | ×                                          |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RELINGUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  The sample of the sample | RELINGUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME  ALLAND FOR STAPPING BOOD TO THE TIME STAPPING BY AFFILIATION DATE TIME  ALLAND FOR STAPPING BOOD TO THE TIME STAPPING BOOD TO THE STAPPING BOOD TO | 92             | WELL #4                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the state of t |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3         | +              |          | ×          | *                                          |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RELINGUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITION  RELINGUISHED BY / AFFILIATION DATE TIME SAMPLE CONDITION  RELINGUISH DATE TIME SAMPLE CONDITION  RELINGUISH DATE SAMPLE CONDITION  RELINGU | RELINQUISHED BY (AFFILIATION DATE TIME ACCEPTED BY (AFFILIATION DATE TIME  RELINQUISHED BY (AFFILIATION DATE TIME  RELINQUISH BY (AFFILIATION DATE T | Ŧ              | WATEL #6               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | E9        | 2-             |          | *          | *                                          |                                         |                       | and the special section is not a section of the sec |
| RELINCUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  THAT ROO CLAFF ROO SAMPLER SAMPLER NAME AND SIGNATURE  SAMPLER NAME AND SIGNATURE  SONDULF ROOM SOND SOND SOND SOND SOND SOND SOND SOND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RELINGUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME  RELINGUISHED BY / AFFILIATION DATE  RELINGUISH DATE  RELINGUIS | 22             | DUPLICATE NPL          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TW                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | -              |          | ×          | ×                                          |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| All for Styln 1800 Chaff Red Styln 1800 My Mar Styln 1800 My                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SAMPLER NAME AND SIGNATURE  SONDERSON ONTESSON OF SIGNATURE  SONDERSON ONTESSON ONTO SIGNATURE  SONDERSON ONTESSON ONTO SIGNATURE  SONDERSON ONTO SOND ONTESSON ONTO SIGNATURE  SOND ONTO  | Additional C   | comments:              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RELINGUISHED B            | Y / AFFILIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ASSESSED IN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ACCEPTE   | D BY / AFFILIA | TION     | DATE       |                                            | SAMPLE                                  | CONDIT                | NOIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER NAME (Like, December 1)  SCORING SCORING CONTRACTOR (MALD 1) Johnsen  Courton Scoring of Sampler (Mald 1) Johnsen  Courton Scoring of Sampler (Mald 1) Johnsen  Scoring of Sampler (Mald 1) Johnsen  Courton (Mald 1) Johnsen  Court | SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER TO SIGNATURE  SOUTH OF SIGNATURE  SO | *              |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rhide                     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12/4/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Char      | AR C           |          | 12/4/      | 1800                                       | NA                                      |                       | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER PLANE SIGNATURE  PRINT Name of SAMPLER PLANE SIGNATURE  PRINT Name of SAMPLER PLANE SIGNATURE  PRINT SECONDING OF SAMPLER PLANE SIGNATURE  PRINT SECONDING OF SAMPLER PLANE SIGNATURE  PRINT SECONDING SAMPLER PLANE SIGNATURE SAMPLER PLANE SIGNA | SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER [Ley Lockson + Chris Relos: + Handrill Jahnsen of Schalling of Symphete: Change of Symphete: Change of Symphete: Change of Symphete: Change of Strips of Stri | T Think I      | they so simples + SD   | + 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C Mark                    | 0 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | skin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1         | ) Xu           | _        | 15/21      | 0000                                       | 14/4                                    |                       | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER TO SIGNATURE  PRINT Name of SAMPLER TO SIGNATURE  C O O O O O O O O O O O O O O O O O O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER AND SIGNATURE  SEGNATURE OF SAMPLER OF THE SAM | ,              | 3 RINSE - RUS 514/2    | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | *                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                |          |            | -                                          | J ···                                   |                       | ) <sup>1/A</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER ALENCE + Chr.; C. PELOS; + PLACE IL Johnson  SCONDUMF OF SAMPLER  | SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER TREATMENT OF PRINT Name of SAMPLER TREATMENT OF PRINTS OF THE SYNDON (MANDO) TYNO OF THE SYNDON TYNO OF THE SYNDON (MANDO) TYNO OF THE |                |                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                |          |            |                                            | 14/7                                    |                       | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PRINT Name of SAMPLER TREATED A. + Chr. & PELOS, + Mard. II Johnsen E OUED OUED ON SCONDINGE OF  | PRINT Name of SAMPLER Likey Dichoson + Chris Pelos; + Pendil Johnson  SEGNATURE OF SAMPLER  Charles Sample of SAMPLER  STS 171                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9              | TOTAL STORE            | Jer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                           | SAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PLER NAME A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AND SIGNATUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ш         |                |          |            |                                            |                                         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Liste Man Care                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | +x             | E. I & sooked on       | 3.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           | SIGNAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Vame of SAMPLER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Reley Theobo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4         | Pelo           | (M)      | L.11 John  | 260                                        |                                         | Custoo                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

e-File(ALLQ020rev.3,31Mar05))22Jun2005

## CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Pace Analytical "

DRINKING WATE OTHER N/A N/A OTHER MCES SAMPLE CONDITIONS of N/A N/A N/A REGULATORY AGENCY L N N N/A NA 1 GROUND WATER SCL i L NW L HO × × × 0900 NCT TIME RCRA L × × × LOCATION iltered (Y/N) NPDES SITE 12/15 UST × ACCEPTED BY / AFFILIATION lethanol 60525g Chris Pelosi/ Riley Jacobson EON --\*OSZ npreserved Steve Davis 3 9 # OF CONTAINERS 2 2 2 3 3 SAMPLE TEMP AT COLLECTION 0650 TIME 1540 1335 1035 0001 5001 9441 1355 1500 0935 5051 1000 TIME SOIL 12/1/21 1/0/5 5/6/21 slohn 12/5/5 14/5/12 12/5/5 12/4/5 12/5/5 2/6/5 5/5h 12/4/5 DATE SHIR RELINQUISHED BY / AFFILIATION DATE COLLECTED Pace Quote Reference Pace Project Manager: Xcel Energy Sherco Ponds Spring TIME Invoice Information: Company Name Section C DATE Attention: Address: SAMPLE TYPE PMOD=D BARD=D WT G WT G 0 0 0 0 0 0 0 0 0 9 WT TW WT TM Riley Jacobson WT TW WT WT WT WT Chris Pelosi 8h5no-12 Required Project Information: urchase Order No. DUPLICATE NPDES (P-93B) Project Number Project Name: Section B MATRIX
DRINKING WATER
WATER
WASTE WATER
PRODUCT
SOULSOUD
ON Report To: Copy To: WELL #4 WELL #6 P-173 P-174 P-175 P-176 P-178A P-178B P-164 P-165 P-177 **Environmental Services** 2 Weeks One Character per box. (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE Section D Required Client Info SAMPLE ID Chris Pelosi Xcel Energy Required Client Information: Fax: equested Due Date/TAT: Additional Comments hone; (512) 597-7254 mail To: Address: HEM#

e-File(ALLQ020rev.3,31Mar05))22Jun2005

11/6/18

+ Kendall Johnsen

Represent Chora Relos

PHSHPS: MOODER 1010

SAMPLER NAME AND SIGNATURE

Samples Intact

Custody Sealed Cooler

90|

Received on

J. ui dwaT



## CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately.

| Required Client Information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | nt Information:                                                                                                 | Required Project Information:                                                 | ect mormation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        | invoice information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | tion:                                |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                      | Annual Section of the Party Section Se                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The second second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                 | -                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|
| Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Xcel Energy                                                                                                     | Report To:                                                                    | Chris Pelosi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.21                                   | Attention:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      | Ste            | Steve Davis                             | S              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | REGUL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REGULATORY AGENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SENCY             |                  |
| Address.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Environmental Services                                                                                          | Copy To:                                                                      | Riley Jacobson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NSON                                   | Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d)                                   |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | L NPDES                                | 1>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | GROUND WATER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DRINK             | DRINKING WATER   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MP-7                                                                                                            |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TSU T                                  | - RCRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | OTHER             | OTHER MCES       |
| Email To:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Chris Pelosi                                                                                                    | Purchase Order No.:                                                           | er No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        | Pace Quote Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ference                              |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SITE                                   | N N N N N N N N N N N N N N N N N N N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | L<br>N            | L                |
| Phone; (612) 597-7254                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -7254 Fax:                                                                                                      | Project Number                                                                | 8721-04548                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DA .                                   | Pace Project Manager.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | anager:                              | Chris Pe       | Pelosi/ Ri                              | Riley Jacobson | son                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LOCATION                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | - sol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | M                 | OTHER            |
| Requested Due Date/TAT:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ie Date/TAT: ₹ Weeks                                                                                            | Project Name:                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ny Sherce                              | Xcel Energy Sherco Ponds Spring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Tg Pace Profile                      | 1 to #         |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Filtered (Y/N)                         | 1// 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11                | 1                |
| Secti                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-91, 2) Sample IDs MUST BE UNIQUE | Vaid Mainx Codess MATRIX Denselvanter Water Water Water Water Recode Spuracia | 3000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MATRIX CODE  SAMPLE TYPE  PRODE SARBED | COMPOSITESTARY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | COLLECTED  COMPOSITE ENDIGHNI        | TA 9MET EL9MAS | # OF CONTENERS                          | NO3 Decembed   | Present times of the server of | Requested Analysis:                    | Salda 3000<br>Salda 3000<br>Salda 1500<br>Salda 1500<br>Salda 1500<br>Salda 1500<br>Salda 3000<br>Salda 3000 | app Of all                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SCA STAND ISLOGO  | Pace Pressor No. |
| .1 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RINSE NPDES                                                                                                     | S                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                   | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15/4/2                               | 0.50           | 3                                       | н -            | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D X                                    | i ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8 1               |                  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DUPLICATE BAR                                                                                                   | ah ah                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                | cu                                      | 4              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                                      | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NEWSCOOK OF SERVICE SE |                   |                  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RINSE-BAP                                                                                                       |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                | cı                                      | +              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | *                                      | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DUPLICATE BAP2                                                                                                  | P2 (8-158                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/4/21                              | Thors          | 2                                       | 1              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                  |
| \$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RINSE BAP2                                                                                                      |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12/1/5                               | 1420           | 2                                       | 7              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-FTS (1/2-1004)                      | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Proposition of the last of the |                   | 100              |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DUPLICATE P3                                                                                                    | 051-d) E                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                   | The Part of the Pa | 513/21                               | وردان          | 2                                       | -              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RINSE P3                                                                                                        |                                                                               | - delignor en                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WT G                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5/3/11                               | 57.1,0         | 2                                       | -              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                 |                                                                               | The second secon |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                 |                  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                 |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                    |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                 |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ************************************** |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                  |
| =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | terrent en                                                                  | The second second                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SANC                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                    |                | *************************************** |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                  |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                 |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      | f              | 1                                       |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                  |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | nments:                                                                                                         |                                                                               | RELINGUI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | SHED BY / AFFILIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ON DATE                              | TIME           | ACC                                     | EPTED BY       | ACCEPTED BY / AFFILIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE                                   | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SAMPLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SAMPLE CONDITIONS | TIONS            |
| Parit Here                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 30 Samons + 3 De                                                                                                | 4                                                                             | Che                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                      | Pace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12/11/2                              | 1800           | 0                                       | LAND.          | Be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12/4/5                                 | 1800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A<br>N/A        | N/A              |
| The state of the s | The second second                                                                                               |                                                                               | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Jan 2                                  | Ren                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14/1/2                               | 000            | >                                       |                | 144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5/5/6,                                 | 0030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A               |                  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12 RNS - Rus 514121                                                                                             |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A<br>N/A        | )WA              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                 |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                      |                |                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A<br>N/A        | N/A              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DOW NOTHER                                                                                                      | へいつう                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SAMPLER NAME AND SIGNATURE           | AND SIGNAT     | URE                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Á                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | J. 10801. 2 20                                                                                                  | 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        | INA DIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PRINT Name of SAMPLER TILEY Jacobser | Ziley Jaw      |                                         | + Chris        | Pelas + Hender                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Kendell Johnson                        | NUSON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Temp in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | eol<br>cotsuQ     | O belse          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 00001                                                                                                         | 200                                                                           | )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 11                                 | 1011           | 7                                       |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                  |



## CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Required Client Information: | ormation.                                       | Required Project Information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                       | Invoice Information   |                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       |                                           |               |                   |                                        |                         |
|------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|---------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------|-------------------------------------------|---------------|-------------------|----------------------------------------|-------------------------|
| Company:                     | Xcel Energy                                     | Report To: Chris Pelosi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       | Attention:            |                                                                                       | Ste                          | Steve Davis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IS       |                                                                       |                                           | REG           | REGULATORY AGENCY | AGENC                                  | χ.                      |
| Address: E                   | Environmental Services                          | Copy To: Riley Jacobson                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       | Company Name:         |                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       | L NPDES                                   | 12            | GROUND WATER      |                                        | DRINKING WATER          |
|                              | MP-7                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       | Address:              |                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       | T UST                                     | I RCRA        |                   |                                        | 1                       |
| Email To:                    | Chris Pelosi                                    | Purchase Order No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       | Pace Quote Reference  | nce:                                                                                  |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       | SITE                                      | l <b>≥</b> ON | L NW              | IL T IN T                              | Σ                       |
| Phone; (612) 597-7254        | Fax:                                            | Project Number 21 - 04548                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       | Pace Project Manager. | ger                                                                                   | Chris Pelosi/ Riley Jacobson | elosi/ R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | iley Ja  | cobson                                                                | LOCATION                                  |               | ₩ НО              | SCT WIE                                | OTHER                   |
| Requested Due Date/TAT:      | ate/TAT: 2 Weeks                                | Project Name: Xcel Energy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       | Sherco Ponds Spring   | Pace Prome #                                                                          | # *                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       | Filtered (Y/N)                            | 11 "          | ///               | 111                                    | 1                       |
| Section                      | SAMPLE ID One Character per box. (A-Z, 0.91, -) | Vaid Maring Codes  CODE  DIAMATRIZ  DIAMATRI | ATRIX CODE<br>AMODE TYPE<br>PMODE BAR | TOO                   | COLLECTED                                                                             | TA GME TEMP AT               | OLLECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1        |                                                                       | Requested<br>Analysis:                    | Salva S       | Siden (I          | Ed. A.O. M.                            |                         |
| Sam                          | Sample IDs MUST BE UNIQUE                       | \$ 5 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | /8                                    | DATE TIME             | DATE TIM                                                                              | ш                            | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unpres   | Methan<br>Na <sub>2</sub> S <sub>2</sub> O<br>HCI<br>HNO <sub>3</sub> | OW ON | 000           | (RED)             | enoisex                                | Pace Project No.        |
| -                            | RINSE NPDES                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                  |                       | 12/4/5                                                                                | 0.501                        | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -        |                                                                       | -                                         | ×             |                   | ALK STATES OF                          |                         |
| 2                            | DUPLICATE BAP                                   | (P-155) 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | WT G                                  |                       | 515/21                                                                                | 1345                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ~        | 7                                                                     | ×                                         | ×             |                   |                                        |                         |
| e                            | RINSE BAP                                       | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WT G                                  |                       | stshi                                                                                 | 1350                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -        | -                                                                     | ×                                         | ×             |                   | RANGUANUMAN                            |                         |
| 4                            | DUPLICATE BAP2                                  | (8-158)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | WT G                                  |                       | Slyln                                                                                 | riers                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -        | 7                                                                     |                                           | ×             | ×                 | anni anni                              |                         |
| 5                            | RINSE BAP2                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                  |                       | 12/1/5                                                                                | 1420                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -        | 7                                                                     |                                           | ×             | ×                 |                                        |                         |
| 9                            | DUPLICATE P3                                    | (b-150)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | WT G                                  |                       | 5/3/21                                                                                | 0110                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -        | -                                                                     | ×                                         |               | ×                 | BARNING STATE                          |                         |
| 7                            | RINSE P3                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT G                                  |                       | 4/3/21                                                                                | 0260                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7-       | 5                                                                     | ×                                         |               | ×                 | RMINIMA                                |                         |
| 8                            |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                       |                                                                                       |                              | TO SAN TO |          |                                                                       |                                           |               | -                 | STORES IN CO.                          |                         |
| 6                            |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                       |                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       |                                           |               | All months        | national                               |                         |
| 10                           |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                     |                       |                                                                                       |                              | SCHOOL STATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                       |                                           |               |                   | ************************************** |                         |
| -1                           |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                       | 1                                                                                     |                              | 200200000000000000000000000000000000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |                                                                       |                                           |               |                   | KENNESSAWA DE                          |                         |
| 12                           |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                       |                                                                                       |                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                                                       |                                           |               |                   | axaamaa.                               |                         |
| Additional Comments:         | nts:                                            | RELINQUIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       | HED BY / AFFILIATION  | DATE                                                                                  | TIME                         | E IL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CEPTE    | ACCEPTED BY / AFFILIATION                                             | DATE                                      | TIME          | SAMPLE            | PLE CON                                | CONDITIONS              |
|                              |                                                 | 72les                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                                     |                       | 5/4/2                                                                                 | 2570                         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A        | 1/4/(                                                                 | 5/7/21                                    | 0450          | 1.700             | NA                                     | N/A                     |
|                              |                                                 | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                     |                       |                                                                                       |                              | )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                                                       |                                           |               |                   | N/A                                    | N/A                     |
| ,                            |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                       |                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       |                                           |               |                   | N/A                                    | N/A                     |
|                              |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                       |                                                                                       |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |                                                                       |                                           |               |                   | N/A                                    | N/A                     |
| 1                            | 200 an and is a text                            | 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       | SAME                  | SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER TILEY TO CONTRESISSATIVE OF SAMPLER. | AND SIGNATURE                | TURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | + Chrish | Rloci +<br>DATE Signod (M                                             | 77                                        | NSON          | O° ni qməT        | seceived on                            | Custody<br>ealed Cooler |
|                              | 100                                             | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       | 11/1                  | 5110                                                                                  | <                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100      | 11                                                                    | ~                                         | 2/+12         |                   | 1                                      | S                       |



Greensburg, PA 15601 (724)850-5600

June 10, 2021

Christopher Pelosi Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414

RE: Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

### Dear Christopher Pelosi:

Enclosed are the analytical results for sample(s) received by the laboratory on May 12, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carin Ferris

Carin a. Ferris

carin.ferris@pacelabs.com 724-850-5615 Project Manager

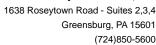
Enclosures

cc: Eric Ealy, Xcel Energy
Christine M. Keefe, Xcel Energy
Ciara Builkia, Page Applytical Service

Ciara Ruikkie, Pace Analytical Services - Field Svcs

Division







### **CERTIFICATIONS**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

### Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

Alabama Certification #: 41590 Arizona Certification #: AZ0734

**Arkansas Certification** 

California Certification #: 04222CA Colorado Certification #: PA01547 Connecticut Certification #: PH-0694

Delaware Certification EPA Region 4 DW Rad

Florida/TNI Certification #: E87683 Georgia Certification #: C040 Florida: Cert E871149 SEKS WET

Guam Certification Hawaii Certification Idaho Certification Illinois Certification Indiana Certification Iowa Certification #: 391

Kansas/TNI Certification #: E-10358 Kentucky Certification #: KY90133 KY WW Permit #: KY0098221

Louisiana DHH/TNI Certification #: LA180012 Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020 Maryland Certification #: 308

KY WW Permit #: KY0000221

Massachusetts Certification #: M-PA1457 Michigan/PADEP Certification #: 9991 Missouri Certification #: 235 Montana Certification #: Cert0082 Nebraska Certification #: NE-OS-29-14 Nevada Certification #: PA014572018-1 New Hampshire/TNI Certification #: 297617 New Jersey/TNI Certification #: PA051

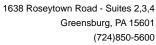
New Mexico Certification #: PA01457 New York/TNI Certification #: 10888 North Carolina Certification #: 42706 North Dakota Certification #: R-190 Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-010 Pennsylvania/TNI Certification #: 65-00282 Puerto Rico Certification #: PA01457 Rhode Island Certification #: 65-00282

South Dakota Certification
Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3 Utah/TNI Certification #: PA014572017-9 USDA Soil Permit #: P330-17-00091 Vermont Dept. of Health: ID# VT-0282 Virgin Island/PADEP Certification Virginia/VELAP Certification #: 9526 Washington Certification #: C868 West Virginia DEP Certification #: 143 West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad Wyoming Certification #: 8TMS-L





### **SAMPLE SUMMARY**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Lab ID                 | Sample ID | Matrix | Date Collected | Date Received  |
|------------------------|-----------|--------|----------------|----------------|
| 30420944001            | P-130     | Water  | 05/05/21 08:55 | 05/12/21 10:30 |
| 30420944002            | P-131     | Water  | 05/03/21 10:35 | 05/12/21 10:30 |
| 30420944003            | P-132     | Water  | 05/03/21 13:05 | 05/12/21 10:30 |
| 30420944004            | P-150     | Water  | 05/03/21 09:10 | 05/12/21 10:30 |
| 30420944005            | P-151     | Water  | 05/06/21 15:50 | 05/12/21 10:30 |
| 30420944006            | P-152A    | Water  | 05/04/21 12:50 | 05/12/21 10:30 |
| 30420944007            | P-153     | Water  | 05/03/21 14:35 | 05/12/21 10:30 |
| 30420944008            | P-154A    | Water  | 05/03/21 14:00 | 05/12/21 10:30 |
| 30420944009            | P-162     | Water  | 05/05/21 08:45 | 05/12/21 10:30 |
| 30420944010            | P-163     | Water  | 05/05/21 09:30 | 05/12/21 10:30 |
| 30420944011            | P-164     | Water  | 05/05/21 10:00 | 05/12/21 10:30 |
| 30420944012            | P-165     | Water  | 05/06/21 15:00 | 05/12/21 10:30 |
| 30420944013            | P-173     | Water  | 05/05/21 09:35 | 05/12/21 10:30 |
| 30420944014            | P-174     | Water  | 05/05/21 10:05 | 05/12/21 10:30 |
| 30420944015            | P-175     | Water  | 05/05/21 10:35 | 05/12/21 10:30 |
| 30420944016            | P-176     | Water  | 05/05/21 11:05 | 05/12/21 10:30 |
| <del>30420944017</del> | P-177     | Water  | 05/04/21 15:40 | 05/12/21 10:30 |
| 30420944018            | DUPLICATE | Water  | 05/03/21 09:20 | 05/12/21 10:30 |
| 30420944019            | RINSE P-3 | Water  | 05/03/21 09:20 | 05/12/21 10:30 |

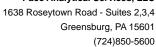


### **SAMPLE ANALYTE COUNT**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Lab ID      | Sample ID | Method                   | Analysts | Analytes<br>Reported | Laboratory |
|-------------|-----------|--------------------------|----------|----------------------|------------|
| 30420944001 | P-130     | EPA 903.1                | <br>MK1  | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944002 | P-131     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944003 | P-132     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944004 | P-150     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944005 | P-151     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944006 | P-152A    | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944007 | P-153     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944008 | P-154A    | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944009 | P-162     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944010 | P-163     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944011 | P-164     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944012 | P-165     | EPA 903.1                | MK1      | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL      | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK      | 1                    | PASI-PA    |
| 30420944013 | P-173     | EPA 903.1                | MK1      | 4                    | PASI-PA    |





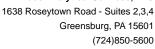
### **SAMPLE ANALYTE COUNT**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Lab ID      | Sample ID | Method                   | Analysts         | Analytes<br>Reported | Laboratory |
|-------------|-----------|--------------------------|------------------|----------------------|------------|
|             |           | EPA 904.0                | — <del>VAL</del> | 4                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK              | 4                    | PASI PA    |
| 30420944014 | P-174     | EPA 903.1                | MK1              | 4                    | PASI-PA    |
|             |           | EPA 904.0                | VAL              | 4                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK              | 4                    | PASI-PA    |
| 30420944015 | P-175     | EPA 903.1                | MK1              | 4                    | PASI-PA    |
|             |           | EPA 904.0                | VAL              | 4                    | PASI PA    |
|             |           | Total Radium Calculation | RMK              | 4                    | PASI-PA    |
| 30420944016 | P-176     | EPA 903.1                | MK1              | 4                    | PASI-PA    |
|             |           | EPA 904.0                | VAL              | 4                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK              | 4                    | PASI-PA    |
| 30420944017 | P-177     | EPA 903.1                | MK1              | 4                    | PASI PA    |
|             |           | EPA 904.0                | VAL              | 4                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK              | 1                    | PASI-PA    |
| 30420944018 | DUPLICATE | EPA 903.1                | MK1              | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL              | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK              | 1                    | PASI-PA    |
| 30420944019 | RINSE P-3 | EPA 903.1                | MK1              | 1                    | PASI-PA    |
|             |           | EPA 904.0                | VAL              | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK              | 1                    | PASI-PA    |

PASI-PA = Pace Analytical Services - Greensburg





### **PROJECT NARRATIVE**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

Method: EPA 903.1

Description: 903.1 Radium 226

Client: Pace-MN Field Services Division

Date: June 10, 2021

### **General Information:**

19 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

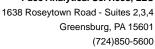
### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### **Additional Comments:**





### **PROJECT NARRATIVE**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

Method: EPA 904.0

Description: 904.0 Radium 228

Client: Pace-MN Field Services Division

**Date:** June 10, 2021

### **General Information:**

19 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

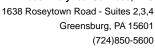
### **Additional Comments:**

**Analyte Comments:** 

QC Batch: 449554

1c: Sample analyzed at reduced volume due to suspended material.

- P-175 (Lab ID: 30420944015)
  - Radium-228





### **PROJECT NARRATIVE**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

Method: Total Radium Calculation
Description: Total Radium 228+226

Client: Pace-MN Field Services Division

Date: June 10, 2021

### **General Information:**

19 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### **Laboratory Control Spike:**

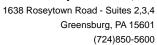
All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### **Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.





Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

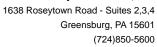
| Sample: P-130<br>PWS: | <b>Lab ID: 30420</b> Site ID: | 9944001 Collected: 05/05/21 08:55<br>Sample Type: | Received: | 05/12/21 10:30 I | Matrix: Water |      |
|-----------------------|-------------------------------|---------------------------------------------------|-----------|------------------|---------------|------|
| Parameters            | Method                        | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed         | CAS No.       | Qual |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Radium-226            | EPA 903.1                     | 0.485 ± 0.341 (0.164)<br>C:NA T:96%               | pCi/L     | 06/08/21 16:02   | 2 13982-63-3  |      |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Radium-228            | EPA 904.0                     | 0.396 ± 0.329 (0.654)<br>C:71% T:82%              | pCi/L     | 06/08/21 11:48   | 15262-20-1    |      |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Total Radium          | Total Radium<br>Calculation   | 0.881 ± 0.670 (0.818)                             | pCi/L     | 06/10/21 09:41   | 7440-14-4     |      |
| Sample: P-131<br>PWS: | Lab ID: 30420<br>Site ID:     | 9944002 Collected: 05/03/21 10:35<br>Sample Type: | Received: | 05/12/21 10:30 I | Matrix: Water |      |
| Parameters            | Method                        | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed         | CAS No.       | Qual |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Radium-226            | EPA 903.1                     | -0.195 ± 0.297 (0.779)<br>C:NA T:95%              | pCi/L     | 06/08/21 16:13   | 3 13982-63-3  |      |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Radium-228            | EPA 904.0                     | 0.569 ± 0.356 (0.653)<br>C:70% T:83%              | pCi/L     | 06/08/21 11:48   | 15262-20-1    |      |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Total Radium          | Total Radium<br>Calculation   | $0.569 \pm 0.653$ (1.43)                          | pCi/L     | 06/10/21 09:41   | 7440-14-4     |      |
| Sample: P-132         | Lab ID: 30420                 | 9944003 Collected: 05/03/21 13:05                 | Received: | 05/12/21 10:30 I | Matrix: Water |      |
| PWS:                  | Site ID:                      | Sample Type:                                      |           |                  |               |      |
| Parameters            | Method                        | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed         | CAS No.       | Qual |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Radium-226            | EPA 903.1                     | 0.0601 ± 0.312 (0.647)<br>C:NA T:92%              | pCi/L     | 06/08/21 16:02   | 2 13982-63-3  |      |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Radium-228            | EPA 904.0                     | 0.583 ± 0.397 (0.757)<br>C:73% T:81%              | pCi/L     | 06/08/21 11:48   | 15262-20-1    |      |
|                       | Pace Analytical S             | Services - Greensburg                             |           |                  |               |      |
| Total Radium          | Total Radium<br>Calculation   | 0.643 ± 0.709 (1.40)                              | pCi/L     | 06/10/21 09:41   | 7440-14-4     |      |



Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Sample: P-150<br>PWS: | <b>Lab ID: 30420</b><br>Site ID: | 9944004 Collected: 05/03/21 09:10<br>Sample Type: | Received: | 05/12/21 10:30 N  | /latrix: Water |      |
|-----------------------|----------------------------------|---------------------------------------------------|-----------|-------------------|----------------|------|
| Parameters            | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed          | CAS No.        | Qual |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   | -              |      |
| Radium-226            | EPA 903.1                        | 0.376 ± 0.382 (0.577)<br>C:NA T:98%               | pCi/L     | 06/08/21 16:02    | 13982-63-3     |      |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   |                |      |
| Radium-228            | EPA 904.0                        | 0.966 ± 0.414 (0.653)<br>C:72% T:84%              | pCi/L     | 06/08/21 11:48    | 15262-20-1     |      |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   |                |      |
| Total Radium          | Total Radium<br>Calculation      | 1.34 ± 0.796 (1.23)                               | pCi/L     | 06/10/21 09:41    | 7440-14-4      |      |
| Sample: P-151<br>PWS: | Lab ID: 30420<br>Site ID:        | 9944005 Collected: 05/06/21 15:50<br>Sample Type: | Received: | 05/12/21 10:30 N  | Matrix: Water  |      |
| Parameters            | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed          | CAS No.        | Qual |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   |                |      |
| Radium-226            | EPA 903.1                        | 0.207 ± 0.450 (0.829)<br>C:NA T:96%               | pCi/L     | 06/08/21 16:02    | 13982-63-3     |      |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   |                |      |
| Radium-228            | EPA 904.0                        | 0.497 ± 0.323 (0.597)<br>C:71% T:83%              | pCi/L     | 06/08/21 11:48    | 15262-20-1     |      |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   |                |      |
| Total Radium          | Total Radium<br>Calculation      | $0.704 \pm 0.773$ (1.43)                          | pCi/L     | 06/10/21 09:41    | 7440-14-4      |      |
| Sample: P-152A        | Lab ID: 30420                    | <b>0944006</b> Collected: 05/04/21 12:50          | Received: | 05/12/21 10:30 N  | Matrix: Water  |      |
| PWS:                  | Site ID:                         | Sample Type:                                      | reconved. | 00/12/21 10:00 10 | natha. Water   |      |
| Parameters            | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed          | CAS No.        | Qual |
|                       | Pace Analytical S                | Services - Greensburg                             |           | •                 |                | `    |
| Radium-226            | EPA 903.1                        | 0.405 ± 0.304 (0.157)<br>C:NA T:94%               | pCi/L     | 06/08/21 16:02    | 13982-63-3     |      |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   |                |      |
| Radium-228            | EPA 904.0                        | 0.325 ± 0.330 (0.679)<br>C:74% T:82%              | pCi/L     | 06/08/21 11:48    | 15262-20-1     |      |
|                       | Pace Analytical S                | Services - Greensburg                             |           |                   |                |      |
| Total Radium          | Total Radium Calculation         | 0.730 ± 0.634 (0.836)                             | pCi/L     | 06/10/21 09:41    | 7440-14-4      |      |

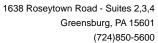




Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Sample: P-153<br>PWS:  | <b>Lab ID: 30420</b> Site ID: | 9944007 Collected: 05/03/21 14:35<br>Sample Type: | Received: | 05/12/21 10:30             | Matrix: Water |      |
|------------------------|-------------------------------|---------------------------------------------------|-----------|----------------------------|---------------|------|
| Parameters             | Method                        | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed                   | CAS No.       | Qual |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Radium-226             | EPA 903.1                     | 0.304 ± 0.492 (0.857)<br>C:NA T:96%               | pCi/L     | 06/08/21 16:02             | 2 13982-63-3  |      |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Radium-228             | EPA 904.0                     | -0.0530 ± 0.314 (0.745)<br>C:72% T:83%            | pCi/L     | 06/08/21 11:48             | 3 15262-20-1  |      |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Total Radium           | Total Radium<br>Calculation   | 0.304 ± 0.806 (1.60)                              | pCi/L     | 06/10/21 09:4              | 1 7440-14-4   |      |
| Sample: P-154A<br>PWS: | Lab ID: 30420<br>Site ID:     | 9944008 Collected: 05/03/21 14:00<br>Sample Type: | Received: | 05/12/21 10:30             | Matrix: Water |      |
| Parameters             | Method                        | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed                   | CAS No.       | Qual |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Radium-226             | EPA 903.1                     | 0.178 ± 0.309 (0.551)<br>C:NA T:94%               | pCi/L     | 06/08/21 16:24             | 4 13982-63-3  |      |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Radium-228             | EPA 904.0                     | 0.507 ± 0.407 (0.801)<br>C:72% T:72%              | pCi/L     | 06/08/21 14:50             | 15262-20-1    |      |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Total Radium           | Total Radium<br>Calculation   | 0.685 ± 0.716 (1.35)                              | pCi/L     | 06/10/21 09:4 <sup>-</sup> | 1 7440-14-4   |      |
| Sample: P-162          | Lab ID: 30420                 |                                                   | Received: | 05/12/21 10:30             | Matrix: Water |      |
| PWS:                   | Site ID:                      | Sample Type:                                      |           |                            |               |      |
| Parameters             | Method                        | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed                   | CAS No.       | Qual |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Radium-226             | EPA 903.1                     | 0.203 ± 0.310 (0.183)<br>C:NA T:89%               | pCi/L     | 06/08/21 16:24             | 4 13982-63-3  |      |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Radium-228             | EPA 904.0                     | 0.299 ± 0.410 (0.876)<br>C:72% T:63%              | pCi/L     | 06/08/21 14:50             | 15262-20-1    |      |
|                        | Pace Analytical S             | Services - Greensburg                             |           |                            |               |      |
| Total Radium           | Total Radium<br>Calculation   | 0.502 ± 0.720 (1.06)                              | pCi/L     | 06/10/21 09:4              | 1 7440-14-4   |      |





Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

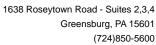
| Sample: P-163 | Lab ID: 30420               |                                      | Received: | 05/12/21 10:30 Mar | trix: Water |      |
|---------------|-----------------------------|--------------------------------------|-----------|--------------------|-------------|------|
| PWS:          | Site ID:                    | Sample Type:                         |           |                    |             |      |
| Parameters    | Method                      | Act ± Unc (MDC) Carr Trac            | Units     | Analyzed           | CAS No.     | Qual |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Radium-226    | EPA 903.1                   | 0.129 ± 0.295 (0.475)<br>C:NA T:88%  | pCi/L     | 06/08/21 16:24 1   | 3982-63-3   |      |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Radium-228    | EPA 904.0                   | 0.825 ± 0.489 (0.899)<br>C:67% T:73% | pCi/L     | 06/08/21 14:50 1   | 5262-20-1   |      |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Total Radium  | Total Radium<br>Calculation | 0.954 ± 0.784 (1.37)                 | pCi/L     | 06/10/21 09:41 7   | 7440-14-4   |      |
| Sample: P-164 | Lab ID: 30420               |                                      | Received: | 05/12/21 10:30 Mar | trix: Water |      |
| PWS:          | Site ID:                    | Sample Type:                         |           |                    |             |      |
| Parameters    | Method                      | Act ± Unc (MDC) Carr Trac            | Units     | Analyzed           | CAS No.     | Qual |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Radium-226    | EPA 903.1                   | -0.134 ± 0.322 (0.804)<br>C:NA T:81% | pCi/L     | 06/08/21 16:24 1   | 3982-63-3   |      |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Radium-228    | EPA 904.0                   | 0.647 ± 0.385 (0.701)<br>C:76% T:75% | pCi/L     | 06/08/21 14:50 1   | 5262-20-1   |      |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Total Radium  | Total Radium<br>Calculation | 0.647 ± 0.707 (1.51)                 | pCi/L     | 06/10/21 09:41 7   | 7440-14-4   |      |
| Sample: P-165 | Lab ID: 30420               |                                      | Received: | 05/12/21 10:30 Mar | trix: Water |      |
| PWS:          | Site ID:                    | Sample Type:                         |           |                    |             |      |
| Parameters    | Method                      | Act ± Unc (MDC) Carr Trac            | Units     | Analyzed           | CAS No.     | Qual |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Radium-226    | EPA 903.1                   | 0.245 ± 0.281 (0.166)<br>C:NA T:96%  | pCi/L     | 06/08/21 16:24 1   | 3982-63-3   |      |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Radium-228    | EPA 904.0                   | 0.903 ± 0.440 (0.730)<br>C:68% T:78% | pCi/L     | 06/08/21 14:50 1   | 5262-20-1   |      |
|               | Pace Analytical S           | Services - Greensburg                |           |                    |             |      |
| Total Radium  | Total Radium<br>Calculation | 1.15 ± 0.721 (0.896)                 | pCi/L     | 06/10/21 09:41 7   | 7440-14-4   |      |



Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Sample: P-173           | Lab ID: 304209              | 44013 Collected: 05/05/21 09:35                 | Received:        | 05/12/21 10:30 N  | <del>latrix: Water</del> |               |
|-------------------------|-----------------------------|-------------------------------------------------|------------------|-------------------|--------------------------|---------------|
| <del>PWS:</del>         | Site ID:                    | Sample Type:                                    |                  |                   |                          |               |
| <del>Parameters</del>   | Method                      | Act ± Unc (MDC) Carr Trac                       | <del>Units</del> | Analyzed          | CAS No.                  | Qua           |
|                         | Pace Analytical Se          | prvices - Greensburg                            |                  |                   |                          |               |
| Radium-226              | EPA 903.1                   | 0.622 ± 0.536 (0.797)<br>C:NA T:100%            | <del>pCi/L</del> | 06/08/21 16:24    | 13982-63-3               |               |
|                         | Pace Analytical Se          | rvices - Greensburg                             |                  |                   |                          |               |
| Radium-228              | EPA 904.0                   | 0.307 ± 0.345 (0.721)<br>C:77% T:79%            | <del>pCi/L</del> | 06/08/21 14:50    | 15262-20-1               |               |
|                         | Pace Analytical Se          | rvices - Greensburg                             |                  |                   |                          |               |
| Total Radium            | Total Radium<br>Calculation | 0.929 ± 0.881 (1.52)                            | <del>pCi/L</del> | 06/10/21 09:41    | 7440-14-4                |               |
| Sample: P-174 PWS:      | Lab ID: 304209              | 44014 Collected: 05/05/21 10:05<br>Sample Type: | Received:        |                   | Matrix: Water            |               |
| Parameters              | Method                      | Act ± Unc (MDC) Carr Trac                       | Units            | Analyzed          | CAS No.                  | Qua           |
|                         | Pace Analytical Se          |                                                 |                  |                   |                          | -             |
| <del>Radium 226</del>   | EPA 903.1                   | 0.290 ± 0.441 (0.759)<br>C:NA T:88%             | <del>pCi/L</del> | 06/08/21 16:24    | 13982-63-3               |               |
|                         | Pace Analytical Se          | rvices - Greensburg                             |                  |                   |                          |               |
| Radium-228              | EPA 904.0                   | <del>0.200 ± 0.384 (0.843)</del><br>C:74% T:76% | <del>pCi/L</del> | 06/08/21 14:50    | 15262-20-1               |               |
|                         | Pace Analytical Se          | rvices - Greensburg                             |                  |                   |                          |               |
| <del>Total Radium</del> | Total Radium<br>Calculation | 0.490 ± 0.825 (1.60)                            | <del>pCi/L</del> | 06/10/21 09:41    | 7440-14-4                |               |
| Sample: P-175           | Lab ID: 304209              | 44015 Collected: 05/05/21 10:35                 | Received:        | -05/12/21-10:30 N | Matrix: Water            |               |
| PWS:                    | Site ID:                    | Sample Type:                                    |                  |                   |                          |               |
| Parameters              | Method                      | Act ± Unc (MDC) Carr Trac                       | Units            | Analyzed          | CAS No.                  | Qua           |
|                         | Pace Analytical Se          | ervices - Greensburg                            |                  |                   |                          |               |
| Radium 226              | EPA 903.1                   | 6.97 ± 2.39 (0.511)<br>C:NA T:92%               | <del>pCi/L</del> | 06/08/21 16:24    | 13982-63-3               |               |
|                         | Pace Analytical Se          | rvices - Greensburg                             |                  |                   |                          |               |
| Radium 228              | EPA 904.0                   | 10.7 ± 3.48 (4.62)<br>C:76% T:67%               | <del>pCi/L</del> | 06/08/21 18:10    | <del>15262-20-1</del>    | <del>1c</del> |
|                         | Pace Analytical Se          | rvices - Greensburg                             |                  |                   |                          |               |
| Total Radium            | Total Radium<br>Calculation | <del>17.7 ± 5.87 (5.13)</del>                   | <del>pCi/L</del> | 06/10/21 09:41    | 7440-14-4                |               |





Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Sample: P-176<br>PWS:                       | Lab ID: 30420<br>Site ID:   | 944016 Collected: 05/05/21 11:05<br>Sample Type:           | Received:        | <del>05/12/21 10:30</del> | Matrix: Water          |      |
|---------------------------------------------|-----------------------------|------------------------------------------------------------|------------------|---------------------------|------------------------|------|
| <del>Parameters</del>                       | Method                      | Act ± Unc (MDC) Carr Trac                                  | <del>Units</del> | Analyzed                  | CAS No.                | Qual |
|                                             | Pace Analytical S           | ervices - Greensburg                                       |                  |                           |                        |      |
| Radium-226                                  | EPA 903.1                   | 0.294 ± 0.306 (0.432)<br>C:NA T:91%                        | <del>pCi/L</del> | 06/08/21 16:3             | 7 13982-63-3           |      |
|                                             | Pace Analytical S           | services - Greensburg                                      |                  |                           |                        |      |
| Radium-228                                  | EPA 904.0                   | <del>0.319 ± 0.592 (1.30)</del><br><del>C:72% T:73</del> % | <del>pCi/L</del> | 06/08/21 18:1             | 0 15262-20-1           |      |
|                                             | Pace Analytical S           | ervices - Greensburg                                       |                  |                           |                        |      |
| Total Radium                                | Total Radium<br>Calculation | 0.613 ± 0.898 (1.73)                                       | <del>pCi/L</del> | <del>06/10/21 09:4</del>  | <del>1 7440-14-4</del> |      |
| Sample: P-177                               | Lab ID: 30420               |                                                            | Received:        | 05/12/21 10:30            | Matrix: Water          |      |
| <del>2WS:</del>                             | <del>Site ID:</del>         | Sample Type:                                               |                  |                           |                        |      |
| Parameters Parameters Parameters Parameters | Method                      | Act ± Unc (MDC) Carr Trac                                  | Units            | Analyzed                  | CAS No.                | Qua  |
|                                             | Pace Analytical S           | services - Greensburg                                      |                  |                           |                        |      |
| Radium-226                                  | EPA 903.1                   | 0.219 ± 0.264 (0.403)<br>C:NA T:95%                        | <del>pCi/L</del> | 06/08/21 16:3             | 7 13982-63-3           |      |
|                                             | Pace Analytical S           | ervices - Greensburg                                       |                  |                           |                        |      |
| Radium-228                                  | EPA 904.0                   | <del>0.287 ± 0.558 (1.23)</del><br>C:71% T:79%             | <del>pCi/L</del> | 06/08/21 18:1             | 0 15262-20-1           |      |
|                                             | Pace Analytical S           | ervices - Greensburg                                       |                  |                           |                        |      |
| Total Radium                                | Total Radium Calculation    | 0.506 ± 0.822 (1.63)                                       | <del>pCi/L</del> | 06/10/21 09:4             | <del>1 7440-14-4</del> |      |
| Sample: DUPLICATE                           | Lab ID: 30420               | 944018 Collected: 05/03/21 09:20                           | Received:        | 05/12/21 10:30            | Matrix: Water          |      |
| PWS:                                        | Site ID:                    | Sample Type:                                               |                  |                           |                        |      |
| Parameters                                  | Method                      | Act ± Unc (MDC) Carr Trac                                  | Units            | Analyzed                  | CAS No.                | Qua  |
|                                             | Pace Analytical S           | Services - Greensburg                                      |                  |                           |                        |      |
| Radium-226                                  | EPA 903.1                   | 0.111 ± 0.254 (0.409)<br>C:NA T:97%                        | pCi/L            | 06/08/21 16:3             | 7 13982-63-3           |      |
|                                             | Pace Analytical S           | ervices - Greensburg                                       |                  |                           |                        |      |
| Radium-228                                  | EPA 904.0                   | 0.156 ± 0.517 (1.16)<br>C:76% T:86%                        | pCi/L            | 06/08/21 18:1             | 0 15262-20-1           |      |
|                                             | Pace Analytical S           | ervices - Greensburg                                       |                  |                           |                        |      |
| Total Radium                                | Total Radium<br>Calculation | 0.267 ± 0.771 (1.57)                                       | pCi/L            | 06/10/21 09:4             | 1 7440-14-4            |      |



Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

| Sample: RINSE P-3<br>PWS: | Lab ID: 30420<br>Site ID:   | <b>0944019</b> Collected: 05/03/21 09:20 Sample Type: | Received: | 05/12/21 10:30 | Matrix: Water |      |
|---------------------------|-----------------------------|-------------------------------------------------------|-----------|----------------|---------------|------|
| Parameters                | Method                      | Act ± Unc (MDC) Carr Trac                             | Units     | Analyzed       | CAS No.       | Qual |
|                           | Pace Analytical             | Services - Greensburg                                 |           |                |               | -    |
| Radium-226                | EPA 903.1                   | 0.414 ± 0.386 (0.508)<br>C:NA T:97%                   | pCi/L     | 06/08/21 16:37 | 7 13982-63-3  |      |
|                           | Pace Analytical             | Services - Greensburg                                 |           |                |               |      |
| Radium-228                | EPA 904.0                   | 0.836 ± 0.539 (1.02)<br>C:77% T:88%                   | pCi/L     | 06/08/21 18:10 | 15262-20-1    |      |
|                           | Pace Analytical             | Services - Greensburg                                 |           |                |               |      |
| Total Radium              | Total Radium<br>Calculation | 1.25 ± 0.925 (1.53)                                   | pCi/L     | 06/10/21 09:4  | 1 7440-14-4   |      |



1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600



### **QUALITY CONTROL - RADIOCHEMISTRY**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

QC Batch: 449553 Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30420944001, 30420944002, 30420944003, 30420944004, 30420944005, 30420944006, 30420944007,

30420944008, 30420944009, 30420944010, 30420944011, 30420944012, 30420944013, 30420944014,

30420944015, 30420944016, 30420944017, 30420944018, 30420944019

METHOD BLANK: 2169392 Matrix: Water

Associated Lab Samples: 30420944001, 30420944002, 30420944003, 30420944004, 30420944005, 30420944006, 30420944007,

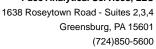
30420944008, 30420944009, 30420944010, 30420944011, 30420944012, 30420944013, 30420944014,

30420944015, 30420944016, 30420944017, 30420944018, 30420944019

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.0492 ± 0.225 (0.362) C:NA T:100%
 pCi/L
 06/08/21 16:02

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





### **QUALITY CONTROL - RADIOCHEMISTRY**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

QC Batch: 449554 Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30420944001, 30420944002, 30420944003, 30420944004, 30420944005, 30420944006, 30420944007,

30420944008, 30420944009, 30420944010, 30420944011, 30420944012, 30420944013, 30420944014,

30420944015, 30420944016, 30420944017, 30420944018, 30420944019

METHOD BLANK: 2169393 Matrix: Water

Associated Lab Samples: 30420944001, 30420944002, 30420944003, 30420944004, 30420944005, 30420944006, 30420944007,

30420944008, 30420944009, 30420944010, 30420944011, 30420944012, 30420944013, 30420944014,

30420944015, 30420944016, 30420944017, 30420944018, 30420944019

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.303 ± 0.325 (0.674) C:70% T:91%
 pCi/L
 06/08/21 11:40

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

### **QUALIFIERS**

Project: Xcel Energy Sherco Ponds Sprin

Pace Project No.: 30420944

### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### **ANALYTE QUALIFIERS**

Date: 06/10/2021 10:09 AM

1c Sample analyzed at reduced volume due to suspended material.

CHAIN-OF-CUSTODY / Analytical Reduest Document
The Chain-of-Custody is a LEGAL DOCUMENT. All rele. MO#: 30420944

Face Analytical

Address:

DRINKING WATER OTHER. OTHER MCES L Z <u>≥</u> ≅ 000 200 g 502 3 SCT <u>L</u> ⊒ T NPDES F GROUND WATER T NN 딩 (P<sup>S</sup> T RCRA LOCATION × × × -litered (Y/N) SITE TSU \_i × × × × × Requested Analysis: × × × )(µGL lonsruel <sub>E</sub>O<sub>s</sub>S<sub>s</sub>eN HOG 1700 SE Elm St, Minneapolis, MN 55408 ICF N HIO N osi upreserved Ciara Ruikkie Tom Halverson # OF CONTAINERS Pace MN Field Services Carin Ferris COLLECTION 1035 1305 TIME 835 5/3/21 910 COMPOSITE END/GRAB Pace Profile #: Sishi 5/3/21 5/3/2 DATE COLLECTED Pace Quote Reference: Pace Project Manager: TIME Xcel Energy Sherco Ponds Spring Invoice Information Company Name: COMPOSITE START Section C DATE Attention: Address: G=GRAB C=COMP Ø ര ഗ G SAMPLE TYPE ¥ Ž × M Riley Jacobson MATRIX CODE Chris Pelosi Section B Required Project Information: urchase Order No.: roject Number Project Name. MATRIX
DRINKING WATER
WASTE WATER
WASTE WATER
BRODUCT
SOLLSOLD Copy To: Required Client Information P-131 P-132 P-150 P-130 15 Days One Character per box. (A-2, 0-9 / ,-) Sample IDs MUST BE UNIQUE c/o Pace MN Field SAMPLE ID Chris Pelosi Xcel Energy RADIUM Fax: Required Client Informetion: Requested Due Date/TAT: Section D Phone; (612) 597-7254 Section A Email To:

| 2 2 X X X   | 2 × × ×    | ACCEPTED BY / AFFILIATION DATE | (5-12-21) 1010 |         |  |                            | sh Johns                        |
|-------------|------------|--------------------------------|----------------|---------|--|----------------------------|---------------------------------|
|             |            | (CCEP                          |                | 0 // // |  |                            | Rien Jacobson + Hendert Johnson |
| 5/5/20 1000 | 0951 175/2 | AFFILIATION DATE TIME          | 200 1330       |         |  | SAMPLER NAME AND SIGNATURE | PRINT Name of SAMPLER:          |
| P-164       | W. W.      | REINOUSHE                      |                |         |  |                            |                                 |

000 010

×

N N

300

5/3/21

P-154A

P-153

513121 1435

5/4/21

മ Ø ტ ტ

Ϋ́ WT ₩ ¥

P-152A

P-151

# Mati

മ

Ϋ́

0330 12480

slsm 415121

Ø

۲M

P-163

Additional Comments:

P-162

COO 008

 $\times$ 

× × × ×

 $\overline{\times}$  $\overline{\times}$ ×

250 1250

Steln

300

e-File(ALLQ020rev.3,31Mar05))22Jun2005

# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical"

pejuj səjdweş N/A N/A N/A DRINKING WATER SAMPLE CONDITIONS OTHER OTHER MCES Sealed Cooler ŏ N/S N/A N/A 5 0 58 <u>≥</u> ≥ REGULATORY AGENCY 50 710 0 910 Ø.Y N/A N/J N/A Received on \<u>4</u> S GROUND WATER ☐ O° ni qmaT 80270 L Ho TIME 1030 (<u>b</u> RCRA L LOCATION × × × × × 5-12-21 DATE Filtered (Y/N) T NPDES SITE × × × × × TSU T Requested Analysis: M × × × × = 1941C ACCEPTED BY / AFFILIATION lonsrii elv 482S2O3 HOB 1700 SE Elm St, Minneapolis, MN 55408 2 7 2 N 4NO3 \*O\$<sup>2</sup>H Jnpreserved Ciara Ruikkie N N 8 N Tom Halverson # ОF СОИТАІИЕРЯ Pace MN Field Services Carin Ferris SAMPLE TEMP AT COLLECTION EMIL 025/ 1540 30110 02120 0935 1035 S TIME 8 COMPOSITE END/GRAB Xcel Energy Sherco Ponds Spring Pose Prent #: SISPu 5421 13/14 SISTU 5/5/21 444 2/2/2 RELINGUISHED BY / AFFILIATION | DATE 21317 DATE COLLECTED Pace Quote Reference: Pace Project Manager: TIME Invoice Information: Company Name: ther COMPOSITE START 北京 Section C DATE Attention: Address: G=GRAB C=COMP Ó ტ Ø O O ഗ O **SAMPLE TYPE** ¥ ¥ ΜŢ ۲× M۲ Ş Σ Riley Jacobson **BUOD XIRTAM** Chris Pelosi Section B Required Project Information: Purchase Order No.: Project Number Project Name: Valid Mairo Co MATRIX DENGUO WATER WATER MASTE WATER PRODUCT SCLEGUD OIL Report To: Copy To: DUPLICATE PS RINSE P-3 Required Client Information P-175 P-176 P-173 P-174 P-177 15 Days (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE c/o Pace MN Field One Character per box. SAMPLE ID Chris Pelosi Xcel Energy RADIUM Fax: Required Client Information: Requested Due Date/TAT: Additional Comments: Section D Phone: (612) 597-7254 Section A Email To: Company: Address: ILEW#

e-File(ALLQ020rev.3,31Mar05))22Jun2005

Custody

eэj

Yender Janson

Lesoser d

SIGNATURE of SAMPLER:

SAMPLER NAME AND SIGNATURE

Sherce Ponds Spring

Pace MN

Client

SrəA

**Hr**9A

Matrix

Line Item

Sample

Site

Pace Analytical \*

|   |      |          |   | <br> | <br> |   |   | - 1 | <br> |    | -  |                 |
|---|------|----------|---|------|------|---|---|-----|------|----|----|-----------------|
|   |      |          |   |      |      |   |   |     |      |    |    |                 |
| : | ZPLC |          |   |      | <br> |   |   |     | <br> |    |    |                 |
| n | MGK  |          |   |      |      |   |   |     |      |    |    |                 |
| n | WGF  |          |   |      |      |   |   |     |      |    |    |                 |
| > | IAOV |          | - |      |      |   |   |     |      |    |    |                 |
| 1 | 169A |          |   |      |      |   |   |     |      |    |    | ပ္ပ             |
|   | T69V |          |   |      |      |   |   |     |      |    |    | Ais             |
| ļ | H65∧ |          |   |      |      |   |   |     |      |    |    |                 |
| ٤ | เกวอ |          |   |      |      |   |   |     |      |    |    | tic             |
| 1 | DG98 |          |   |      |      |   |   |     |      |    |    | Plastic / Misc. |
| ľ | UE98 |          |   |      |      |   |   |     |      |    |    | Д               |
|   | Bb32 |          |   |      |      |   |   |     |      |    |    |                 |
|   | ВЬЗИ |          |   |      |      |   |   |     |      |    |    |                 |
|   | ВЬЗС |          |   |      |      |   |   |     |      |    |    |                 |
|   | USAB |          |   |      |      |   |   |     |      |    |    |                 |
|   | BP2S |          |   |      |      |   |   |     |      |    |    |                 |
|   | UI48 |          |   |      |      |   |   |     |      |    |    |                 |
|   | ВЫИ  | 4        |   |      |      |   |   |     |      | -2 | -> | >               |
|   | Besn |          |   |      |      |   |   |     |      |    |    |                 |
| ŀ | บาอย |          |   |      |      |   |   |     |      |    |    |                 |
| l | TebA |          |   |      |      |   |   |     |      |    |    |                 |
|   | U3Đ∀ |          |   |      |      |   |   |     |      |    |    |                 |
| - | U£Đ∀ |          |   |      |      |   |   |     |      |    |    |                 |
|   | VG38 |          |   |      |      |   |   |     |      |    |    | W               |
|   | บรอ⊿ | _        | - |      |      |   | - |     |      |    |    | Glass           |
|   |      |          |   |      |      | 1 |   |     |      | -  | 1  | 5               |
|   | T≀əA | <b>'</b> |   |      |      |   |   |     |      |    |    |                 |

| ֟֞֟֞֟֟ <b>֡</b>               | Plastic / Misc. | VIISC.                 |
|-------------------------------|-----------------|------------------------|
| 1 Gallon Cubitainer           | EZI             | 5g Encore              |
| 1/2 Gallon Cubitainer         | VOAK            | Kit for Volatile Solid |
| 120mL Coliform Na Thiosulfate |                 | Wipe/Swab              |
| 1L plastic HNO3               | ZPLC            | Ziploc Bag             |
|                               |                 |                        |

12GN SP5T BP1N BP1U BP3S BP3N BP3U BP3C BP2S

40mL clear VOA vial Na Thiosul

40mL clear VOA vial

7690 VG9T 10mL clear VOA vial HCI

/69Н

00mL amber glass Na Thiosulfate

L amber glass H2SO4

AG1S AG1H AG1T BG1U AG3S AG3U

Gallon Jug

S

L amber glass HCI

00mL amber glass unprserved

AG5U

N O

AG5T

Gallon Jug with HNO3

Container Codes

S

12

9

 $\infty$ ග

Ю ω

ന 4

N

<del>~</del>

4oz amber wide jar

40ml, amber VOA vial H2SO4

DG9S

GCUB 1 Gallon Cubitainer

L plastic unpreserved

250mL plastic H2SO4 250mL plastic HNO3

| WT | Water              |
|----|--------------------|
| SL | Solid              |
| 9  | Non-aqueous liquid |
| WP | Wipe               |

500mL plastic unpreserved

500mL plastic H2SO4

250ml plastic NAOH

250mL plastic unpreserved

500mL clear glass unpreserved 500mL amber glass unpreserved

4oz wide jar unpreserved

WGFU IGFU

BG2U

L amber glass Na Thiosulfate

8oz wide jar unpreserved

WGKU

250mL amber glass unpreserved

250mL amber glass H2SO4

L clear glass unpreserved

AG2U

FNV.FRM.GRUR.0079 00 29Dec.2020

Pittsburgh Lab Sample Condition Upon Receipt Excel Project # # 30420944 Client Name: Páce Analytical Courier: Fed Ex UPS USPS Client Commercial Pace Other IMS Login 9371 92926415 . yes no Custody Seal on Cooler/Box Present: 🗷 yes ☐ no Seals intact: Type of ice: Wet Blue None Thermometer Used Final Temp: °C Correction Factor: Observed Temp **Cooler Temperature** Temp should be above freezing to 6°C Date and initials of person examining pH paper Lot# contents: - (4-21 lodition N/A No Yes Comments: Chain of Custody Present: Chain of Custody Filled Out: Chain of Custody Relinquished: Sampler Name & Signature on COC: Sample Labels match COC: Matrix: -Includes date/time/ID Samples Arrived within Hold Time: Short Hold Time Analysis (<72hr remaining): Rush Turn Around Time Requested: 9. Sufficient Volume: 10. Correct Containers Used: -Pace Containers Used: 11. Containers Intact: 12. Orthophosphate field filtered 13. Hex Cr Aqueous sample field filtered 14. Organic Samples checked for dechlorination: 15. Filtered volume received for Dissolved tests All containers have been checked for preservation. 16. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix Date/time of Initial when All containers meet method preservation preservation completed requirements. Lot # of added preservative 17. Headspace in VOA Vials ( >6mm): 18. Trip Blank Present: Trip Blank Custody Seals Present Survey Meter Initial when Rad Samples Screened < 0.5 mrem/hr Date: 5-14-21 Client Notification/ Resolution: Contacted By: Date/Time: Person Contacted: Comments/ Resolution:

A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

\*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.





21 June 2021 Eric Ealy Environmental Services-Water Minneapolis 250 Marquette Plaza

Minneapolis, MN 55401

RE: Sherco Pond 3 CCR

Enclosed are the results of analyses for samples received by the laboratory on 06/11/2021 09:35. If you have any questions concerning this report, please feel free to contact me.

CC:

I certify that this analysis report was prepared under my direction or supervision under a system designed to assure that qualified personnel analyzed the submitted samples. All protocols for analysis were followed as required by Minnesota Rules and the Applicable Management Plan.

Sincerely,

Steve Davis

Project Manager



| Environmental Services-Water Minneapolis | Project Name/Location: Sherco Pond 3 CCR |                  |
|------------------------------------------|------------------------------------------|------------------|
| 250 Marquette Plaza                      |                                          | Reported:        |
| Minneapolis MN, 55401                    | Project Manager: Eric Ealy               | 06/21/2021 09:41 |

### **ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Sample Qualifier | Laboratory ID | Matrix | Sampled          | Received        |
|-----------|------------------|---------------|--------|------------------|-----------------|
| P-151     |                  | MGF0113-01    | Water  | 06/10/2021 10:05 | 06/11/2021 9:35 |
| P-165     |                  | MGF0113-02    | Water  | 06/10/2021 10:50 | 06/11/2021 9:35 |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 06/21/2021 09:41

### P-151 MGF0113-01 (Water) - Chain of Custody Number: Pace

| Analyte                   | Result   | Reporting<br>Limit | Units    | Analyte<br>Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
|---------------------------|----------|--------------------|----------|----------------------|----------|---------|--------------|---------------|--------------|---------|
| ,                         |          |                    |          |                      |          |         | opaioa       | <u> </u>      |              |         |
| Anions by Ion Chromatogra |          |                    |          |                      |          |         |              |               |              |         |
| Chloride                  | 45.6     | 1.00               | mg/L     |                      | 1        | BGF0343 | 6/16/21 7:06 | 6/16/21 13:42 | EPA 300.0    | CRL     |
| Fluoride                  | < 0.750  | 0.750              | mg/L     |                      | 1        | BGF0343 | 6/16/21 7:06 | 6/16/21 13:42 | EPA 300.0    | CRL     |
| Sulfate                   | 33.9     | 1.00               | mg/L     |                      | 1        | BGF0343 | 6/16/21 7:06 | 6/16/21 13:42 | EPA 300.0    | CRL     |
| Wet Chemistry             |          |                    |          |                      |          |         |              |               |              |         |
| рН                        | 7.91     |                    | pH Units | M_TTT                | 1        | BGF0264 | 6/11/21 9:54 | 6/11/21 12:57 | SM 4500-H+ B | HRD     |
| Total Dissolved Solids    | 406      | 25.0               | mg/L     |                      | 1        | BGF0275 | 6/14/21 9:01 | 6/14/21 9:01  | SM 2540C     | HSD     |
| Total Suspended Solids    | 5.60     | 5.00               | mg/L     |                      | 1        | BGF0274 | 6/14/21 6:31 | 6/14/21 6:31  | SM 2540D     | HSD     |
| Total Metals by ICPMS     |          |                    |          |                      |          |         |              |               |              |         |
| Arsenic                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Barium                    | 71.4     | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Beryllium                 | < 0.100  | 0.100              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Cadmium                   | < 0.100  | 0.100              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Cobalt                    | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Chromium                  | 1.06     | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Molybdenum                | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Lead                      | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Antimony                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Selenium                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Thallium                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:51  | EPA 200.8    | CRL     |
| Total Metals by ICP       |          |                    |          |                      |          |         |              |               |              |         |
| Boron                     | < 0.0500 | 0.0500             | mg/L     |                      | 1        | BGF0278 | 6/14/21 7:36 | 6/16/21 17:15 | EPA 200.7    | HRD     |
| Calcium                   | 89.5     | 1.50               | mg/L     |                      | 1        | BGF0278 | 6/14/21 7:36 | 6/16/21 17:13 | EPA 200.7    | HRD     |
| Lithium                   | < 0.0150 | 0.0150             | mg/L     |                      | 1        | BGF0278 | 6/14/21 7:36 | 6/16/21 17:14 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

06/21/2021 09:41

### P-151 MGF0113-01 (Water) - Chain of Custody Number: Pace

| Analyte | F<br>Result | Reporting<br>Limit | Units | Analyte<br>Qualifier Dilution | n Batch | Prepared      | Analyzed      | Method          | Analyst |
|---------|-------------|--------------------|-------|-------------------------------|---------|---------------|---------------|-----------------|---------|
| Mercury |             |                    |       |                               |         |               |               |                 |         |
| Mercury | < 0.200     | 0.200              | ug/L  | 1                             | BGF0306 | 6/14/21 15:12 | 6/15/21 13:00 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 06/21/2021 09:41

### P-165 MGF0113-02 (Water) - Chain of Custody Number: Pace

| Analyte                   | Result   | Reporting<br>Limit | Units    | Analyte<br>Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
|---------------------------|----------|--------------------|----------|----------------------|----------|---------|--------------|---------------|--------------|---------|
| Anions by Ion Chromatogra | phy      |                    |          |                      |          |         |              |               |              |         |
| Chloride                  | 11.4     | 1.00               | mg/L     |                      | 1        | BGF0343 | 6/16/21 7:06 | 6/16/21 14:02 | EPA 300.0    | CRL     |
| Fluoride                  | < 0.750  | 0.750              | mg/L     |                      | 1        | BGF0343 | 6/16/21 7:06 | 6/16/21 14:02 | EPA 300.0    | CRL     |
| Sulfate                   | 40.3     | 1.00               | mg/L     |                      | 1        | BGF0343 | 6/16/21 7:06 | 6/16/21 14:02 | EPA 300.0    | CRL     |
| Wet Chemistry             |          |                    |          |                      |          |         |              |               |              |         |
| рН                        | 7.88     |                    | pH Units | M_TTT                | 1        | BGF0264 | 6/11/21 9:54 | 6/11/21 13:00 | SM 4500-H+ B | HRD     |
| Total Dissolved Solids    | 318      | 25.0               | mg/L     |                      | 1        | BGF0275 | 6/14/21 9:01 | 6/14/21 9:01  | SM 2540C     | HSD     |
| Total Suspended Solids    | 6.60     | 5.00               | mg/L     |                      | 1        | BGF0274 | 6/14/21 6:31 | 6/14/21 6:31  | SM 2540D     | HSD     |
| Total Metals by ICPMS     |          |                    |          |                      |          |         |              |               |              |         |
| Arsenic                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Barium                    | 40.5     | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Beryllium                 | < 0.100  | 0.100              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Cadmium                   | < 0.100  | 0.100              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Cobalt                    | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Chromium                  | 1.95     | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Molybdenum                | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Lead                      | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Antimony                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Selenium                  | 0.676    | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Thallium                  | < 0.500  | 0.500              | ug/L     |                      | 1        | BGF0279 | 6/14/21 7:38 | 6/15/21 8:55  | EPA 200.8    | CRL     |
| Total Metals by ICP       |          |                    |          |                      |          |         |              |               |              |         |
| Boron                     | < 0.0500 | 0.0500             | mg/L     |                      | 1        | BGF0278 | 6/14/21 7:36 | 6/16/21 17:20 | EPA 200.7    | HRD     |
| Calcium                   | 80.1     | 1.50               | mg/L     |                      | 1        | BGF0278 | 6/14/21 7:36 | 6/16/21 17:19 | EPA 200.7    | HRD     |
| Lithium                   | < 0.0150 | 0.0150             | mg/L     |                      | 1        | BGF0278 | 6/14/21 7:36 | 6/16/21 17:19 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

Project Manager: Eric Ealy

### P-165

### MGF0113-02 (Water) - Chain of Custody Number: Pace

| Analyte | Result  | Reporting Analyte<br>sult Limit Units Qualifier Dilu |      | , | n Batch Prepared |               | Analyzed      | Method          | Analyst |
|---------|---------|------------------------------------------------------|------|---|------------------|---------------|---------------|-----------------|---------|
| Mercury |         |                                                      |      |   |                  |               |               |                 |         |
| Mercury | < 0.200 | 0.200                                                | ug/L | 1 | BGF0306          | 6/14/21 15:12 | 6/15/21 13:02 | EPA 245.1/7470A | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 06/21/2021 09:41

### **Anions by Ion Chromatography - Quality Control**

|                          |        | Reporting |       | Spike     | Source    |            | %REC       |     | RPD   |         |
|--------------------------|--------|-----------|-------|-----------|-----------|------------|------------|-----|-------|---------|
| Analyte                  | Result | Limit     | Units | Level     | Result    | %REC       | Limits     | RPD | Limit | Notes   |
| Batch BGF0343 - Wet Prep |        |           |       |           |           |            |            |     |       |         |
| Blank (BGF0343-BLK1)     |        |           |       | Prepared  | & Analyze | d: 06/16/2 | 021        |     |       |         |
| Chloride                 | <1.00  | 1.00      | mg/L  |           |           |            |            |     |       |         |
| Fluoride                 | <0.750 | 0.750     | mg/L  |           |           |            |            |     |       |         |
| Sulfate                  | <1.00  | 1.00      | mg/L  |           |           |            |            |     |       |         |
| Blank (BGF0343-BLK2)     |        |           |       | Prepared  | & Analyze | d: 06/16/2 | 021        |     |       |         |
| Chloride                 | <1.00  | 1.00      | mg/L  |           |           |            |            |     |       |         |
| Fluoride                 | <0.750 | 0.750     | mg/L  |           |           |            |            |     |       |         |
| Sulfate                  | <1.00  | 1.00      | mg/L  |           |           |            |            |     |       |         |
| .CS (BGF0343-BS1)        |        |           |       | Prepared  | & Analyze | d: 06/16/2 | 021        |     |       |         |
| Chloride                 | 25.292 | 1.00      | mg/L  | 25.000    |           | 101        | 90-110     |     |       |         |
| luoride                  | 2.7060 | 0.750     | mg/L  | 2.5000    |           | 108        | 90-110     |     |       |         |
| Sulfate                  | 25.356 | 1.00      | mg/L  | 25.000    |           | 101        | 90-110     |     |       |         |
| .CS (BGF0343-BS2)        |        |           |       | Prepared  | & Analyze | d: 06/16/2 | 021        |     |       |         |
| Chloride                 | 25.533 | 1.00      | mg/L  | 25.000    |           | 102        | 90-110     |     |       |         |
| Fluoride                 | 2.7760 | 0.750     | mg/L  | 2.5000    |           | 111        | 90-110     |     |       | M_LCS-H |
| Sulfate                  | 25.684 | 1.00      | mg/L  | 25.000    |           | 103        | 90-110     |     |       |         |
| .CS (BGF0343-BS3)        |        |           |       | Prepared  | & Analyze | d: 06/16/2 | 021        |     |       |         |
| Chloride                 | 25.577 | 1.00      | mg/L  | 25.000    |           | 102        | 90-110     |     |       |         |
| Fluoride                 | 2.8560 | 0.750     | mg/L  | 2.5000    |           | 114        | 90-110     |     |       | M_LCS-H |
| Sulfate                  | 25.694 | 1.00      | mg/L  | 25.000    |           | 103        | 90-110     |     |       |         |
| _CS (BGF0343-BS4)        |        |           |       | Prepared: | 06/16/202 | 21 Analyze | d: 06/18/2 | 021 |       |         |
| Chloride                 | 24.176 | 1.00      | mg/L  | 25.000    |           | 96.7       | 90-110     |     |       |         |
| Fluoride                 | 2.2970 | 0.750     | mg/L  | 2.5000    |           | 91.9       | 90-110     |     |       |         |
| Sulfate                  | 24.034 | 1.00      | mg/L  | 25.000    |           | 96.1       | 90-110     |     |       |         |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 06/21/2021 09:41

### **Anions by Ion Chromatography - Quality Control**

| Analyte                         | Result             | Reporting<br>Limit | Units     | Spike<br>Level                  | Source<br>Result | %REC       | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|---------------------------------|--------------------|--------------------|-----------|---------------------------------|------------------|------------|----------------|--------|--------------|-------|
| Batch BGF0343 - Wet Prep        |                    |                    |           |                                 |                  |            |                |        |              |       |
| LCS (BGF0343-BS5)               |                    | Prepared:          | 06/16/202 | 2021                            |                  |            |                |        |              |       |
| Chloride                        | 24.328             | 1.00               | mg/L      | 25.000                          |                  | 97.3       | 90-110         |        |              |       |
| Fluoride                        | 2.6140             | 0.750              | mg/L      | 2.5000                          |                  | 105        | 90-110         |        |              |       |
| Sulfate                         | 24.497             | 1.00               | mg/L      | 25.000                          |                  | 98.0       | 90-110         |        |              |       |
| Duplicate (BGF0343-DUP1)        | Source: MGF0113-01 |                    |           | Prepared & Analyzed: 06/16/2021 |                  |            |                |        |              |       |
| Chloride                        | 45.576             | 1.00               | mg/L      |                                 | 45.619           |            |                | 0.0943 | 20           |       |
| Fluoride                        | <0.750             | 0.750              | mg/L      |                                 | <0.750           |            |                |        | 20           |       |
| Sulfate                         | 33.820             | 1.00               | mg/L      |                                 | 33.851           |            |                | 0.0916 | 20           |       |
| Duplicate (BGF0343-DUP2)        | Source: MGF0113-02 |                    |           | Prepared                        |                  |            |                |        |              |       |
| Chloride                        | 11.379             | 1.00               | mg/L      |                                 | 11.392           |            |                | 0.114  | 20           |       |
| Fluoride                        | < 0.750            | 0.750              | mg/L      |                                 | <0.750           |            |                |        | 20           |       |
| Sulfate                         | 40.230             | 1.00               | mg/L      |                                 | 40.263           |            |                | 0.0820 | 20           |       |
| Matrix Spike (BGF0343-MS1)      | Source: MGF0113-01 |                    |           | Prepared                        |                  |            |                |        |              |       |
| Chloride                        | 76.500             | 1.25               | mg/L      | 31.250                          | 45.619           | 98.8       | 90-110         |        |              |       |
| Fluoride                        | 3.3138             | 0.938              | mg/L      | 3.1250                          | <0.938           | 106        | 90-110         |        |              |       |
| Sulfate                         | 65.006             | 1.25               | mg/L      | 31.250                          | 33.851           | 99.7       | 90-110         |        |              |       |
| Matrix Spike (BGF0343-MS2)      | Source: MGF0113-02 |                    |           | Prepared                        | & Analyze        |            |                |        |              |       |
| Chloride                        | 42.870             | 1.25               | mg/L      | 31.250                          | 11.392           | 101        | 90-110         |        |              |       |
| Fluoride                        | 3.5600             | 0.938              | mg/L      | 3.1250                          | <0.938           | 114        | 90-110         |        |              | M_MS  |
| Sulfate                         | 71.821             | 1.25               | mg/L      | 31.250                          | 40.263           | 101        | 90-110         |        |              |       |
| Matrix Spike Dup (BGF0343-MSD1) | Sou                | urce: MGF011       | 3-01      | Prepared                        | & Analyze        | d: 06/16/2 | 2021           |        |              |       |
| Chloride                        | 76.820             | 1.25               | mg/L      | 31.250                          | 45.619           | 99.8       | 90-110         | 0.417  | 20           |       |
| Fluoride                        | 3.4600             | 0.938              | mg/L      | 3.1250                          | <0.938           | 111        | 90-110         | 4.32   | 20           | M_MS  |
| Sulfate                         | 65.353             | 1.25               | mg/L      | 31.250                          | 33.851           | 101        | 90-110         | 0.531  | 20           |       |



Analyte

Minneapolis Testing Laboratory 1518 Chestnut Ave N Minneapolis, MN 55043 Certification # MN-027-053-197 WI-999071150 Christine Keefe, Supervisor (612) 630-4506

RPD

Limit

Notes

RPD

%REC

Limits

Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

O6/21/2021 09:41

## **Anions by Ion Chromatography - Quality Control**

Units

Reporting

Limit

Result

| Batch BGF0343 - Wet Prep        |        |            |      |          |           |            |        |       |    |      |
|---------------------------------|--------|------------|------|----------|-----------|------------|--------|-------|----|------|
| Matrix Spike Dup (BGF0343-MSD2) | Sour   | ce: MGF011 | 3-02 | Prepared | & Analyze | d: 06/16/2 | 2021   |       |    |      |
| Chloride                        | 42.335 | 1.25       | mg/L | 31.250   | 11.392    | 99.0       | 90-110 | 1.26  | 20 |      |
| Fluoride                        | 3.5700 | 0.938      | mg/L | 3.1250   | <0.938    | 114        | 90-110 | 0.281 | 20 | M_MS |
| Sulfate                         | 70.934 | 1.25       | mg/L | 31.250   | 40.263    | 98.1       | 90-110 | 1.24  | 20 |      |

Spike

Level

Source

Result

%RFC



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 06/21/2021 09:41

## **Wet Chemistry - Quality Control**

|                          |        | Reporting   |          | Spike    | Source    |            | %REC   |       | RPD   |        |
|--------------------------|--------|-------------|----------|----------|-----------|------------|--------|-------|-------|--------|
| Analyte                  | Result | Limit       | Units    | Level    | Result    | %REC       | Limits | RPD   | Limit | Notes  |
| Batch BGF0264 - Wet Prep |        |             |          |          |           |            |        |       |       |        |
| LCS (BGF0264-BS1)        |        |             |          | Prepared | & Analyze | d: 06/11/2 | .021   |       |       |        |
| рН                       | 7.0900 |             | pH Units | 7.0000   |           | 101        | 90-110 |       |       |        |
| LCS (BGF0264-BS2)        |        |             |          | Prepared | & Analyze | d: 06/11/2 | .021   |       |       |        |
| pH                       | 7.0700 |             | pH Units | 7.0000   |           | 101        | 90-110 |       |       |        |
| Duplicate (BGF0264-DUP1) | Sou    | ırce: MGF01 | 12-01    | Prepared | & Analyze | d: 06/11/2 | .021   |       |       |        |
| pH                       | 7.6700 |             | pH Units |          | 7.6400    |            |        | 0.392 | 20    |        |
| Batch BGF0274 - Wet Prep |        |             |          |          |           |            |        |       |       |        |
| Blank (BGF0274-BLK1)     |        |             |          | Prepared | & Analyze | d: 06/14/2 | 2021   |       |       |        |
| Total Suspended Solids   | <5.00  | 5.00        | mg/L     |          |           |            |        |       |       |        |
| LCS (BGF0274-BS1)        |        |             |          | Prepared | & Analyze | d: 06/14/2 | 2021   |       |       |        |
| Total Suspended Solids   | 98.000 | 5.00        | mg/L     | 109.10   |           | 89.8       | 70-130 |       |       |        |
| Duplicate (BGF0274-DUP1) | Sou    | ırce: MGF01 | 12-01    | Prepared | & Analyze | d: 06/14/2 | 2021   |       |       |        |
| Total Suspended Solids   | <12.5  | 12.5        | mg/L     |          | <12.5     |            |        |       | 20    | M_K-06 |
| Batch BGF0275 - Wet Prep |        |             |          |          |           |            |        |       |       |        |
| Blank (BGF0275-BLK1)     |        |             |          | Prepared | & Analyze | d: 06/14/2 | 2021   |       |       |        |
| Total Dissolved Solids   | <25.0  | 25.0        | mg/L     |          |           |            |        |       |       |        |
| LCS (BGF0275-BS1)        |        |             |          | Prepared | & Analyze | d: 06/14/2 | 2021   |       |       |        |
| Total Dissolved Solids   | 108.00 | 25.0        | mg/L     | 112.10   |           | 96.3       | 70-130 |       |       |        |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

Project Manager: Eric Ealy

## **Wet Chemistry - Quality Control**

| - [ |             |           |       |       |        |      |        |     |       |       | 1 |
|-----|-------------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
|     |             | Reporting |       | Spike | Source |      | %REC   |     | RPD   |       | l |
|     | Analyte Res | ult Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

| Batch | <b>BGF0275</b> | - Wet | Prep |
|-------|----------------|-------|------|
|-------|----------------|-------|------|

| Duplicate (BGF0275-DUP1) | Source | e: MGF011 | 2-01 | Prepared & Analyzed: 06/14/2021 |       |    |  |
|--------------------------|--------|-----------|------|---------------------------------|-------|----|--|
| Total Dissolved Solids   | 444.00 | 25.0      | mg/L | 440.00                          | 0.905 | 20 |  |



RPD

%REC

Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

06/21/2021 09:41

## **Total Metals by ICPMS - Quality Control**

Snika

Source

Reporting

| A I. d.                          | D !!    | Reporting    | 11    | Spike     | Source      | 0/ DEC     | %REC         | DDD  | RPD   | NI - 4 |
|----------------------------------|---------|--------------|-------|-----------|-------------|------------|--------------|------|-------|--------|
| Analyte                          | Result  | Limit        | Units | Level     | Result      | %REC       | Limits       | RPD  | Limit | Notes  |
| Batch BGF0279 - EPA 200.2, EPA 3 | 005     |              |       |           |             |            |              |      |       |        |
| Blank (BGF0279-BLK1)             |         |              |       | Prepared: | : 06/14/202 | 21 Analyze | ed: 06/15/20 | 021  |       |        |
| Beryllium                        | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| Chromium                         | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| <i>N</i> olybdenum               | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| Cobalt                           | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| ead                              | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| admium                           | <0.100  | 0.100        | ug/L  |           |             |            |              |      |       |        |
| ntimony                          | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| arium                            | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| rsenic                           | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| elenium                          | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| nallium                          | <0.500  | 0.500        | ug/L  |           |             |            |              |      |       |        |
| CS (BGF0279-BS1)                 |         |              |       | Prepared: | : 06/14/202 | 21 Analyze | ed: 06/15/20 | 021  |       |        |
| arium                            | 103.14  | 0.500        | ug/L  | 100.00    |             | 103        | 85-115       |      |       |        |
| rsenic                           | 97.514  | 0.500        | ug/L  | 100.00    |             | 97.5       | 85-115       |      |       |        |
| admium                           | 94.981  | 0.100        | ug/L  | 100.00    |             | 95.0       | 85-115       |      |       |        |
| hromium                          | 101.30  | 0.500        | ug/L  | 100.00    |             | 101        | 85-115       |      |       |        |
| obalt                            | 97.699  | 0.500        | ug/L  | 100.00    |             | 97.7       | 85-115       |      |       |        |
| eryllium                         | 100.12  | 0.500        | ug/L  | 100.00    |             | 100        | 85-115       |      |       |        |
| elenium                          | 101.66  | 0.500        | ug/L  | 100.00    |             | 102        | 85-115       |      |       |        |
| hallium                          | 97.189  | 0.500        | ug/L  | 100.00    |             | 97.2       | 85-115       |      |       |        |
| lolybdenum                       | 100.25  | 0.500        | ug/L  | 100.00    |             | 100        | 85-115       |      |       |        |
| ead                              | 95.375  | 0.500        | ug/L  | 100.00    |             | 95.4       | 85-115       |      |       |        |
| ntimony                          | 98.771  | 0.500        | ug/L  | 100.00    |             | 98.8       | 85-115       |      |       |        |
| uplicate (BGF0279-DUP1)          | Sou     | ırce: MGF011 | 3-01  | Prepared: | : 06/14/202 | 21 Analyze | ed: 06/15/20 | 021  |       |        |
| hromium                          | 0.96426 | 0.500        | ug/L  |           | 1.0625      |            |              | 9.69 | 20    |        |
| ead                              | 0.10739 | 0.500        | ug/L  |           | 0.096536    |            |              | 10.6 | 20    |        |
| eryllium                         | <0.500  | 0.500        | ug/L  |           | <0.500      |            |              |      | 20    |        |
| rsenic                           | 0.35727 | 0.500        | ug/L  |           | 0.31598     |            |              | 12.3 | 20    |        |
| ntimony                          | <0.500  | 0.500        | ug/L  |           | <0.500      |            |              |      | 20    |        |
| arium                            | 70.429  | 0.500        | ug/L  |           | 71.421      |            |              | 1.40 | 20    |        |
| admium                           | <0.100  | 0.100        | ug/L  |           | <0.100      |            |              |      | 20    |        |
| lolybdenum                       | 0.33180 | 0.500        | ug/L  |           | 0.22267     |            |              | 39.4 | 20    | M_D-RI |
| obalt                            | 0.28800 | 0.500        | ug/L  |           | 0.30047     |            |              | 4.24 | 20    |        |
| hallium                          | <0.500  | 0.500        | ug/L  |           | <0.500      |            |              |      | 20    |        |
| Selenium                         | <0.500  | 0.500        | ug/L  |           | < 0.500     |            |              |      | 20    |        |

Xcel Energy Minneapolis Testing Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Analyte

Antimony

Chromium

Cadmium

Thallium

Beryllium

Arsenic

Molybdenum

Lead

Minneapolis Testing Laboratory 1518 Chestnut Ave N Minneapolis, MN 55043 Certification # MN-027-053-197 WI-999071150 Christine Keefe, Supervisor (612) 630-4506

RPD

Limit

Notes

RPD

%REC Limits

Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

O6/21/2021 09:41

## **Total Metals by ICPMS - Quality Control**

Units

Spike

Level

Source

Result

%RFC

Reporting

Limit

0.500

0.500

0.500

0.100

0.500

0.500

0.500

0.500

Result

102.02

110.87

92.449

101.17

95.314

104.00

105.83

103.03

| Matrix Spike (BGF0279-MS1)      | Sour   | ce: MGF011 | 3-01 | Prepared | : 06/14/202 | 1 Analyz | ed: 06/15/2 | 021  |    |  |
|---------------------------------|--------|------------|------|----------|-------------|----------|-------------|------|----|--|
| Thallium                        | 96.669 | 0.500      | ug/L | 100.00   | <0.500      | 96.7     | 75-125      |      |    |  |
| Selenium                        | 105.35 | 0.500      | ug/L | 100.00   | <0.500      | 105      | 75-125      |      |    |  |
| Arsenic                         | 102.92 | 0.500      | ug/L | 100.00   | 0.31598     | 103      | 75-125      |      |    |  |
| Antimony                        | 99.995 | 0.500      | ug/L | 100.00   | <0.500      | 100      | 75-125      |      |    |  |
| Molybdenum                      | 101.68 | 0.500      | ug/L | 100.00   | 0.22267     | 101      | 75-125      |      |    |  |
| Chromium                        | 99.064 | 0.500      | ug/L | 100.00   | 1.0625      | 98.0     | 75-125      |      |    |  |
| Cobalt                          | 96.769 | 0.500      | ug/L | 100.00   | 0.30047     | 96.5     | 75-125      |      |    |  |
| Barium                          | 172.76 | 0.500      | ug/L | 100.00   | 71.421      | 101      | 75-125      |      |    |  |
| Cadmium                         | 95.344 | 0.100      | ug/L | 100.00   | <0.100      | 95.3     | 75-125      |      |    |  |
| Lead                            | 94.494 | 0.500      | ug/L | 100.00   | 0.096536    | 94.4     | 75-125      |      |    |  |
| Beryllium                       | 106.01 | 0.500      | ug/L | 100.00   | <0.500      | 106      | 75-125      |      |    |  |
| Matrix Spike Dup (BGF0279-MSD1) | Sour   | ce: MGF011 | 3-01 | Prepared | : 06/14/202 | 1 Analyz | ed: 06/15/2 | 021  |    |  |
| Barium                          | 175.00 | 0.500      | ug/L | 100.00   | 71.421      | 104      | 75-125      | 1.29 | 20 |  |
| Selenium                        | 106.88 | 0.500      | ug/L | 100.00   | <0.500      | 107      | 75-125      | 1.44 | 20 |  |
| Cobalt                          | 105.90 | 0.500      | ug/L | 100.00   | 0.30047     | 106      | 75-125      | 9.01 | 20 |  |

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

100.00

100.00

100.00

100.00

100.00

100.00

100.00

100.00

< 0.500

1.0625

0.096536

< 0.100

<0.500

0.22267

<0.500

0.31598

102

110

92.4

101

95.3

104

106

103

75-125

75-125

75-125

75-125

75-125

75-125

75-125

75-125

2.00

11.2

2.19

5.93

1.41

2.26

0.172

0.114

20

20

20

20

20

20

20

20



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 06/21/2021 09:41

## **Total Metals by ICP - Quality Control**

| Analyte                       | Result   | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|-------------------------------|----------|--------------------|-------|----------------|------------------|------------|----------------|--------|--------------|-------|
| Batch BGF0278 - EPA 200.2, E  | EPA 3005 |                    |       |                |                  |            |                |        |              |       |
| Blank (BGF0278-BLK1)          |          |                    |       | Prepared       | : 06/14/202      | 21 Analyze | ed: 06/16/2    | 2021   |              |       |
| Calcium                       | <1.50    | 1.50               | mg/L  |                |                  |            |                |        |              |       |
| Boron                         | <0.0500  | 0.0500             | mg/L  |                |                  |            |                |        |              |       |
| Lithium                       | <0.0150  | 0.0150             | mg/L  |                |                  |            |                |        |              |       |
| LCS (BGF0278-BS1)             |          |                    |       | Prepared       | : 06/14/202      | 21 Analyze | ed: 06/16/2    | 2021   |              |       |
| Boron                         | 1.1473   | 0.0500             | mg/L  | 1.0000         |                  | 115        | 85-115         |        |              |       |
| Calcium                       | 104.52   | 1.50               | mg/L  | 100.00         |                  | 105        | 85-115         |        |              |       |
| Lithium                       | 1.0319   | 0.0150             | mg/L  | 1.0000         |                  | 103        | 85-115         |        |              |       |
| Duplicate (BGF0278-DUP1)      | So       | urce: MGF011       | 12-01 | Prepared       | : 06/14/202      | 21 Analyze | ed: 06/16/2    | 2021   |              |       |
| Boron                         | 0.035197 | 0.0500             | mg/L  |                | 0.040627         |            |                | 14.3   | 20           |       |
| Lithium                       | <0.0150  | 0.0150             | mg/L  |                | <0.0150          |            |                |        | 20           |       |
| Calcium                       | 93.241   | 1.50               | mg/L  |                | 99.405           |            |                | 6.40   | 20           |       |
| Matrix Spike (BGF0278-MS1)    | So       | ource: MGF011      | 2-01  | Prepared       | : 06/14/202      | 21 Analyze | ed: 06/16/2    | 2021   |              |       |
| Boron                         | 1.0118   | 0.0500             | mg/L  | 1.0000         | 0.040627         | 97.1       | 70-130         |        |              |       |
| Calcium                       | 202.07   | 1.50               | mg/L  | 100.00         | 99.405           | 103        | 70-130         |        |              |       |
| Lithium                       | 1.0101   | 0.0150             | mg/L  | 1.0000         | <0.0150          | 101        | 70-130         |        |              |       |
| Matrix Spike Dup (BGF0278-MSD | 1) So    | ource: MGF011      | 12-01 | Prepared       | : 06/14/202      | 21 Analyze | ed: 06/16/2    | 2021   |              |       |
| Boron                         | 1.0135   | 0.0500             | mg/L  | 1.0000         | 0.040627         | 97.3       | 70-130         | 0.169  | 20           |       |
| Calcium                       | 202.99   | 1.50               | mg/L  | 100.00         | 99.405           | 104        | 70-130         | 0.453  | 20           |       |
| Lithium                       | 1.0093   | 0.0150             | mg/L  | 1.0000         | < 0.0150         | 101        | 70-130         | 0.0865 | 20           |       |
| Littliaiii                    | 1.0000   | 0.0100             | mg/L  | 1.0000         | 10.0100          | 101        | 70-100         | 0.0000 | 20           |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 06/21/2021 09:41

## **Mercury - Quality Control**

|                                      |        | Reporting  |       | Spike    | Source      |            | %REC        |       | RPD   |       |
|--------------------------------------|--------|------------|-------|----------|-------------|------------|-------------|-------|-------|-------|
| Analyte                              | Result | Limit      | Units | Level    | Result      | %REC       | Limits      | RPD   | Limit | Notes |
| Batch BGF0306 - EPA 245.1, EPA 7470A |        |            |       |          |             |            |             |       |       |       |
| Blank (BGF0306-BLK1)                 |        |            |       | Prepared | : 06/14/202 | 21 Analyze | ed: 06/15/2 | 2021  |       |       |
| Mercury                              | <0.200 | 0.200      | ug/L  |          |             |            |             |       |       |       |
| LCS (BGF0306-BS1)                    |        |            |       | Prepared | : 06/14/202 | 21 Analyze | ed: 06/15/2 | 2021  |       |       |
| Mercury                              | 2.7691 | 0.200      | ug/L  | 3.0000   |             | 92.3       | 85-115      |       |       |       |
| Duplicate (BGF0306-DUP1)             | Sour   | ce: MGF011 | 3-02  | Prepared | : 06/14/202 | 21 Analyze | ed: 06/15/2 | 2021  |       |       |
| Mercury                              | <0.200 | 0.200      | ug/L  |          | <0.200      |            |             |       | 20    |       |
| Matrix Spike (BGF0306-MS1)           | Sour   | ce: MGF011 | 3-02  | Prepared | : 06/14/202 | 21 Analyze | ed: 06/15/2 | 2021  |       |       |
| Mercury                              | 2.7475 | 0.200      | ug/L  | 3.0000   | <0.200      | 91.6       | 70-130      |       |       |       |
| Matrix Spike Dup (BGF0306-MSD1)      | Sour   | ce: MGF011 | 3-02  | Prepared | : 06/14/202 | 21 Analyze | ed: 06/15/2 | 2021  |       |       |
| Mercury                              | 2.7651 | 0.200      | ug/L  | 3.0000   | <0.200      | 92.2       | 70-130      | 0.639 | 20    |       |



| Environmental Services-Water Minneapolis | Project Name/Location: Sherco Pond 3 CCR |                  |
|------------------------------------------|------------------------------------------|------------------|
| 250 Marquette Plaza                      |                                          | Reported:        |
| Minneapolis MN, 55401                    | Project Manager: Eric Ealy               | 06/21/2021 09:41 |

#### **Qualifiers and Definitions**

| M TTT | Sample received at the lab outside of required hold time. |  |
|-------|-----------------------------------------------------------|--|
|       |                                                           |  |

M\_MS The percent recovery and/or RPD were outside the acceptance limits for the MS/MSD due to possible matrix interference and/or non-homogeneous sample matrix.

M LCS-H The recovery of this analyte in the LCS was above the control limits. The sample result may be biased high.

M\_K-06 The reporting limit has been increased, the reported result is acceptable. The maximum routine sample volume was used,

but the amount of residue measured was below reference method limits.

M\_D-RL The RPD for the sample duplicate was outside of QC acceptance limits due to<RL.

Z Non Accredited Analyte

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

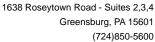
RPD Relative Percent Difference



# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Steve Davis      | Section A<br>Required Client Information: | nt Information:                                          | Section B Required Project Information: | Information:   | Se        | Section C<br>Invoice Information: | tion:                   |              |            |          |          |                  |            |                        |       |          | Page:        | 1 of      | -          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------|-----------------------------------------|----------------|-----------|-----------------------------------|-------------------------|--------------|------------|----------|----------|------------------|------------|------------------------|-------|----------|--------------|-----------|------------|
| Project Young   Project Name   Pro   | Company:                                  | Xcel Energy                                              | Report To:                              | Chris Pelosi   | Atte      | ention:                           |                         |              | Ste        | ve Day   | /is      |                  |            | ,                      | REGUL | ATORY    | AGENC        | ٠.        |            |
| Price Source   Pric   | Address:                                  | Environmental Services                                   |                                         | Riley Jacobson | CO        | mpany Name                        |                         |              |            |          |          |                  |            | NPDE                   | 12    | WATER    |              | SINKING V | VAT        |
| Project Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           | MP-7                                                     |                                         |                | Add       | dress:                            |                         |              |            |          |          |                  |            | □ UST                  | RCRA  |          | 10           | HER MC    | S          |
| Project Number   Project   Project Number   Project Num   | Email To:                                 | Chris Pelosi                                             | Purchase Order N                        | 0              | Pac       | ce Quote Rei                      | ference:                |              |            |          |          |                  |            | SITE                   | NC.   | L        |              | W         |            |
| Project Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Phone: (612) 597-                         |                                                          | Project Number                          |                | Pac       | se Project Ma                     | anager:                 | O            | hris Pe    | elosi/ R | Riley Ja | cobson           |            | LOCATI                 | L     | 1        |              | 1         | ER         |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Requested Du                              |                                                          | Project Name:                           | Xcel Energy S  | herco     | Spring RE                         |                         | Profile #:   |            |          |          |                  |            | Filtered (Y/N          | /// ( | 1        | 11           | 1         |            |
| 17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4   17.4      | Secti                                     | Required Client Information SAMPLE ID Character per box. | INX Codes<br>ATER                       | BIX CODE       | /B C=COWb | ŏ                                 | OLLECT                  | D            | TA SMET EL | тестіои  | 4        | Preservative     | Se         | Requested<br>Analysis: | l sak |          | (N/Y) ennout |           |            |
| 10   10   10   10   10   10   10   10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | # W3                                      |                                                          |                                         | TAM            | G=6R/     | MPOSITE START                     | 1                       | POSITEEND/GR |            | 100      | preserv  | HO<br>11         | lonsiti    | 100                    | 11/18 | 1        | O lenpis     |           | oject N    |
| 10   10   10   10   10   10   10   10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TI                                        |                                                          | 2                                       |                |           | -                                 | -                       | -            | IME        |          | dun      | N <sup>S</sup> ( | IəM        | ON                     |       | 8        | 50.          |           | Lab I.     |
| 1065   2   1   1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ţ                                         | P-137A                                                   |                                         | TW             | 0         | )                                 | 19                      |              | 9)         | 4        | -        | -                |            | ×                      |       |          |              |           |            |
| 1056   2 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                         | P-151                                                    |                                         | WT             | 9         | 1                                 | 1                       | 0.           | 60         | .4       |          | -                |            | ×                      |       |          |              |           |            |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                                         | P-165                                                    |                                         | WT             | 9         | 1                                 | -                       | 9.1          | 050        | N        |          | -                |            | ×                      |       |          |              |           |            |
| RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  RELINQUISHED BY AFFILIATION DATE TIME SAMPLE CONDITION  RELINQUISHED BY AFFILIATION DATE TIME SAMPLE CONDITION  RELINQUISHED BY AFFILIATION DATE  THE SAMPLE CONDITION  RELINQUISHED BY AFFILIATION DATE  THE SAMPLE CONDITION  RELINQUISHED BY AFFILIATION DATE  THE SAMPLE CONDITION  RELINQUISHED BY AFFILIATION  RELINQUISH BY AFFILIATION  RELINQUISHED BY AFFILIATION  RELINQUISH BY AF | 4                                         | P-175                                                    |                                         | TW             | 9         | 1                                 |                         |              | 35         |          |          | -                |            | ×                      |       |          |              |           |            |
| RELINQUISHED BY AFFILLATION DATE TIME ACCEPTED BY AFFILLATION DATE TIME SAMPLE CONDITION    UN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                         |                                                          |                                         |                |           |                                   |                         |              |            |          |          |                  |            |                        |       |          |              |           |            |
| RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (GILIZI 910 UNIVERSITY OF SIGNATURE TRAIN AND SIGNATURE OF SAMPLER NAME AND SIGNATURE (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) PE 105; F KEND ACL 10) IN SUN SIGNATURE OF SAMPLER (CAN 15) IN SUN SIGNATURE (CAN 15) IN SUN SIG | 9                                         |                                                          |                                         |                |           |                                   |                         |              |            |          |          |                  |            |                        |       |          |              |           |            |
| RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (In It of 10 VIA CONDITION SCHAMPLER (ANY 12 VIA CONDITION OF 10 VIA CONDITI | 7                                         |                                                          |                                         | /              |           |                                   |                         |              |            |          |          |                  |            |                        |       |          |              |           |            |
| RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (A line of the original and some and the original and some and the original and some constant and some | 8                                         |                                                          |                                         | LET LE         | 1/2       |                                   |                         |              |            |          |          |                  |            |                        |       |          |              |           |            |
| RELINQUISHED BY JAFFILLATION DATE TIME ACCEPTED BY JAFFILLATION DATE TIME SAMPLE CONDITION  POSSICE TO VIACENTE TIME SAMPLE CONDITION  QUILLY 910 VIACENTE TIME SAMPLE CONDITION  QUILLY 935 V S SAMPLER NAME AND SIGNATURE  SAMPLER NAME AND SIGNATURE  SOUNTINE OF SAMPLER CAN J POS C ST S SAMPLE CONDITION  SOUNTINE OF SAMPLER CAN J POS C ST S SAMPLE CONDITION  FOR CONDITION SIGNATURE SAMPLER CAN J POS C ST S SAMPLE CONDITION  TO ST S SAMPLE CONDITION  SOUNTINE OF SAMPLER CAN J POS C ST S S SAMPLE CONDITION  TO ST S SAMPLE CONDITION  SOUNTINE OF SAMPLER CAN J POS C S S S S S S S S S S S S S S S S S S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                                         |                                                          |                                         |                | 1         |                                   |                         |              |            |          |          |                  |            |                        |       |          |              |           |            |
| RELINQUISHED BY JAFFILIATION DATE TIME SAMPLE CONDITION  (Alula, 910 Viageoree (1112) 910 (2), 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                        |                                                          |                                         |                |           |                                   |                         |              |            |          |          |                  |            |                        |       |          |              |           |            |
| RELINQUISHED BY / AFFILIATION DATE TIME SAMPLE CONDITION  (1) (1) (2) (1) (3) (4) (4) (5) (4) (5) (4) (5) (4) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ŧ                                         |                                                          |                                         |                |           |                                   |                         |              |            |          | 1        |                  |            |                        |       |          |              |           |            |
| RELINQUISHED BY AFFILIATION DATE TIME ACCEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION OF SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION DATE TIME SAMPLE CONDITION  (1/1/12, 9/10, VIACEPTED BY AFFILIATION DATE  (1/1/12, 9/10,  | 12                                        |                                                          |                                         |                |           |                                   |                         |              |            |          |          |                  | 1          |                        |       |          |              |           |            |
| SAMPLER NAME AND SIGNATURE  PERINT Name of SAMPLER. Chr. 5 PC 105 10 10 10 10 10 10 10 10 10 10 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Additional Cor                            | mments:                                                  |                                         | RELINQUISHE    | D BY I.   | AFF!LIATI                         |                         | \TE          | TIME       | AC       | CEPTE    | BY / AFFIL       | IATION     | DATE                   | TIME  | SAME     | LE COI       | NDITION   | S          |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER (AY) SPORT YN YN YN SIGNATURE of SAMPLER (AY) SPORT YN YN YN SIGNATURE of SAMPLER (AY) SPORT SPORT SIGNATURE OF SAMPLER (AY) SPORT SPO | STSTS                                     | L'ADUSTOS                                                |                                         | 100            | 3         | 19                                | 19                      | 11/21        | 910        | A        | S TO VI  | TEX (IA          | MIN        | 6/11/21                | 910   | 13       | NA           | N/A       | NA         |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER: CAY 15 PC 105; THE CAN ALL JOIN SON  SIGNATURE of SAMPLER: CAY 15 PC 105; THE SIGNATURE OF SAMPLER: CAY 15 PC | j                                         |                                                          |                                         | Paron          |           | Dan                               | 19                      | 12/11        | 935        | 1        |          |                  |            | dulu                   | 1200  | -        | N/A          | N/A       | N/A        |
| SAMPLER NAME AND SIGNATURE  PRINT Name of SAMPLER.  ChY; SPC10S; FKLNd all J0]n Son  England (MM/10D/Y)  DATE Signed (MM/10D/Y)  Coled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ~~/                                       | 14887 17                                                 |                                         |                |           |                                   |                         |              |            |          |          | 1                |            |                        |       |          | N/A          | N/A       | N/A        |
| Chris Pelos, then all Johnson in Peresime Christian Down Down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | •                                         |                                                          |                                         |                |           |                                   |                         |              |            |          |          |                  |            |                        |       |          | N/A          | N/A       | N/A        |
| DATE Signed (MM DD/YY)  The Reco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |                                                          |                                         |                |           | SA                                | MPLER N<br>NT Name of S | JAME AND     | SIGNA      | Pe los   | T        | endan            | 1 (0).     | Nos                    | N.    | ⊃° ni qr |              |           | les Intact |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |                                                          |                                         |                |           | SiG                               | NATURE of S             | 1            | M          |          | 1111     | DATE             | Signed (MM | DD/YY)                 |       | Ten      | Rec          |           | Samp       |

e-File(ALLQ020rev.3,31Mar05))22Jun2005





July 06, 2021

Christopher Pelosi Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414

RE: Project: Xcel Sherco Spring RE Pace Project No.: 30425693

#### Dear Christopher Pelosi:

Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

• Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

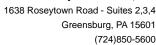
Carin a Ferris

Carin Ferris carin.ferris@pacelabs.com 724-850-5615 Project Manager

**Enclosures** 

cc: Eric Ealy, Xcel Energy
Christine M. Keefe, Xcel Energy
Ciara Ruikkie, Pace Analytical Services - Field Svcs
Division







#### **CERTIFICATIONS**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

#### Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

Alabama Certification #: 41590 Arizona Certification #: AZ0734

**Arkansas Certification** 

California Certification #: 04222CA Colorado Certification #: PA01547 Connecticut Certification #: PH-0694

Delaware Certification EPA Region 4 DW Rad

Florida/TNI Certification #: E87683 Georgia Certification #: C040 Florida: Cert E871149 SEKS WET

Guam Certification Hawaii Certification Idaho Certification Illinois Certification Indiana Certification

Iowa Certification #: 391 Kansas/TNI Certification #: E-10358 Kentucky Certification #: KY90133

KY WW Permit #: KY0098221 KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012 Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020 Maryland Certification #: 308

Massachusetts Certification #: M-PA1457 Michigan/PADEP Certification #: 9991 Missouri Certification #: 235 Montana Certification #: Cert0082 Nebraska Certification #: NE-OS-29-14 Nevada Certification #: PA014572018-1

New Hampshire/TNI Certification #: 297617

New Jersey/TNI Certification #: PA051 New Mexico Certification #: PA01457 New York/TNI Certification #: 10888 North Carolina Certification #: 42706 North Dakota Certification #: R-190 Ohio EPA Rad Approval: #41249

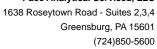
Oregon/TNI Certification #: PA200002-010 Pennsylvania/TNI Certification #: 65-00282 Puerto Rico Certification #: PA01457 Rhode Island Certification #: 65-00282

South Dakota Certification
Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3 Utah/TNI Certification #: PA014572017-9 USDA Soil Permit #: P330-17-00091 Vermont Dept. of Health: ID# VT-0282 Virgin Island/PADEP Certification Virginia/VELAP Certification #: 9526 Washington Certification #: C868 West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad Wyoming Certification #: 8TMS-L





## **SAMPLE SUMMARY**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

| Lab ID      | Sample ID | Matrix | Date Collected | Date Received  |
|-------------|-----------|--------|----------------|----------------|
| 30425693001 | P-137A    | Water  | 06/10/21 09:10 | 06/12/21 10:45 |
| 30425693002 | P-151     | Water  | 06/10/21 10:05 | 06/12/21 10:45 |
| 30425693003 | P-165     | Water  | 06/10/21 10:50 | 06/12/21 10:45 |



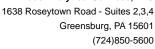
## **SAMPLE ANALYTE COUNT**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

| Lab ID      | Sample ID | Method                   | Analysts       | Analytes<br>Reported | Laboratory |
|-------------|-----------|--------------------------|----------------|----------------------|------------|
| 30425693001 | P-137A    | EPA 903.1                | SLC            | 4                    | PASI-PA    |
|             |           | EPA 904.0                | <del>JC2</del> | 4                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK            | 4                    | PASI-PA    |
| 30425693002 | P-151     | EPA 903.1                | SLC            | 1                    | PASI-PA    |
|             |           | EPA 904.0                | JC2            | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK            | 1                    | PASI-PA    |
| 30425693003 | P-165     | EPA 903.1                | SLC            | 1                    | PASI-PA    |
|             |           | EPA 904.0                | JC2            | 1                    | PASI-PA    |
|             |           | Total Radium Calculation | RMK            | 1                    | PASI-PA    |

PASI-PA = Pace Analytical Services - Greensburg





#### **PROJECT NARRATIVE**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

Method: EPA 903.1

Description: 903.1 Radium 226

Client: Pace-MN Field Services Division

**Date:** July 06, 2021

#### **General Information:**

3 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

#### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

#### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

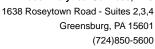
#### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

#### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

#### Additional Comments:





#### **PROJECT NARRATIVE**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

Method: EPA 904.0

Description: 904.0 Radium 228

Client: Pace-MN Field Services Division

**Date:** July 06, 2021

#### **General Information:**

3 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

#### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

#### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

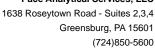
## **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

#### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

#### **Additional Comments:**





#### **PROJECT NARRATIVE**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Pace-MN Field Services Division

**Date:** July 06, 2021

#### **General Information:**

3 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

#### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

#### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

#### **Laboratory Control Spike:**

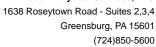
All laboratory control spike compounds were within QC limits with any exceptions noted below.

#### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

#### **Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.



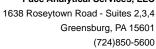


## **ANALYTICAL RESULTS - RADIOCHEMISTRY**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

| Sample: P-137A<br>PWS: | <del>Lab ID: 30425</del> 6<br><del>Site ID:</del> | <b>93001</b> Collected: 06/10/21 09:10 Sample Type: | Received:        | <del>-06/12/21 10:45</del> | Matrix: Water |      |
|------------------------|---------------------------------------------------|-----------------------------------------------------|------------------|----------------------------|---------------|------|
| <del>Parameters</del>  | Method                                            | Act ± Unc (MDC) Carr Trac                           | Units            | Analyzed                   | CAS No.       | Qual |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Radium-226             | EPA 903.1                                         | 0.0568 ± 0.334 (0.682)<br>C:NA T:93%                | <del>pCi/L</del> | 07/06/21 13:1              | 9 13982-63-3  |      |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Radium-228             | EPA 904.0                                         | 0.478 ± 0.395 (0.773)<br>C:76% T:89%                | <del>pCi/L</del> | 07/01/21 14:1              | 5 15262-20-1  |      |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Total Radium           | <del>Total Radium</del><br>Calculation            | 0.535 ± 0.729 (1.46)                                | <del>pCi/L</del> | <del>07/06/21 15:3</del>   | 9 7440-14-4   |      |
| Sample: P-151 PWS:     | <b>Lab ID: 304256</b><br>Site ID:                 | 93002 Collected: 06/10/21 10:05<br>Sample Type:     | Received:        | 06/12/21 10:45             | Matrix: Water |      |
| Parameters             | Method                                            | Act ± Unc (MDC) Carr Trac                           | Units            | Analyzed                   | CAS No.       | Qual |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Radium-226             | EPA 903.1                                         | -0.0545 ± 0.354 (0.768)<br>C:NA T:95%               | pCi/L            | 07/06/21 13:0              | 5 13982-63-3  |      |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Radium-228             | EPA 904.0                                         | -0.144 ± 0.392 (0.959)<br>C:74% T:87%               | pCi/L            | 07/01/21 14:1              | 5 15262-20-1  |      |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Total Radium           | Total Radium<br>Calculation                       | 0.000 ± 0.746 (1.73)                                | pCi/L            | 07/06/21 15:3              | 9 7440-14-4   |      |
| Sample: P-165          | Lab ID: 304256                                    |                                                     | Received:        | 06/12/21 10:45             | Matrix: Water |      |
| PWS:                   | Site ID:                                          | Sample Type:                                        |                  |                            |               |      |
| Parameters             | Method                                            | Act ± Unc (MDC) Carr Trac                           | Units            | Analyzed                   | CAS No.       | Qual |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Radium-226             | EPA 903.1                                         | 0.172 ± 0.262 (0.155)<br>C:NA T:93%                 | pCi/L            | 07/06/21 13:0              | 5 13982-63-3  |      |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Radium-228             | EPA 904.0                                         | 0.230 ± 0.406 (0.888)<br>C:76% T:94%                | pCi/L            | 07/01/21 14:1              | 5 15262-20-1  |      |
|                        | Pace Analytical Se                                | ervices - Greensburg                                |                  |                            |               |      |
| Total Radium           | Total Radium Calculation                          | 0.402 ± 0.668 (1.04)                                | pCi/L            | 07/06/21 15:3              | 9 7440-14-4   |      |





#### **QUALITY CONTROL - RADIOCHEMISTRY**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

QC Batch: 452761 Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30425693001, 30425693002, 30425693003

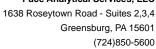
METHOD BLANK: 2185607 Matrix: Water

Associated Lab Samples: 30425693001, 30425693002, 30425693003

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.310 ± 0.279 (0.557) C:77% T:83%
 pCi/L
 07/01/21 11:00

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





#### **QUALITY CONTROL - RADIOCHEMISTRY**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

QC Batch: 452759 Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30425693001, 30425693002, 30425693003

METHOD BLANK: 2185604 Matrix: Water

Associated Lab Samples: 30425693001, 30425693002, 30425693003

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 -0.200 ± 0.209 (0.565) C:NA T:94%
 pCi/L
 07/06/21 12:37

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



1638 Roseytown Road - Suites 2,3,4 Greensburg, PA 15601 (724)850-5600

#### **QUALIFIERS**

Project: Xcel Sherco Spring RE

Pace Project No.: 30425693

#### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Date: 07/06/2021 03:42 PM

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

DRINKING WATER Pace Project No. Lab I.D. OTHER gewbjes jurgecr N/A N/A N/A SAMPLE CONDITIONS OTHER MCES Sealed Cooler e-File(ALLQ020rev.3,31Mar05))22Jun2005 N/A N/A N/Å N/A Cnefody O) 0 5 L ≷ REGULATORY AGENCY ဝိ 6 N/A N/A N/A N/A Received on ည GROUND WATER ☐ O° ni qmeT L 딩 TIME 930 C-13-2110005 ركي چ RCRA LOCATION × × iltered (Y/N) ☐ NPDES DATE SITE × × × T UST 6/11/21 Requested Analysis: × 30425693 × + Kn of all Jolinson Other ACCEPTED BY / AFFILIATION иетрасор Va<sub>2</sub>S<sub>2</sub>O<sub>3</sub> HOBY 1700 SE Elm St, Minneapolis, MN 55408 ЮН FEDEX CONH N N 7 OS<sup>z</sup>H and Japreserved VIA. Ciara Ruikkie Prois Pelasi Tom Halverson # ОЕ СОИТА!ИЕВЗ Pace MN Field Services SAMPLER NAME AND SIGNATURE Carin Ferris COLLECTION 200 TIME 980 0410 1005 1050 T!ME Pace Profile #: PRINT Name of SAMPLER: SIGNATURE of SAMPLER 6/11/2r 7/0/2 DATE DATE COLLECTED Pace Quote Reference: Pace Project Manager: RELINQUISHED BY / AFFILIATION TIME Invoice Information: Novio ţ 1 } Energy Sherco Spring RE Company Name: *ि*ष्ट COMPOSITE START Section C age DATE Address: ļ G=GRAB C=COMP ტ ტ ტ SAMPLE TYPE Riley Jacobson ¥ Ϋ́ Ϋ́ MATRIX CODE Chris Pelosi Required Project Information: Xcel Purchase Order No.: roject Number Project Name: MATRIX
DRINGNO WATER
WATER
WASE WATER
PRODUCT
OUT Copy To: Required Client Information P-137A P-165 P-151 15 Days (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE c/o Pace MN Field One Character per box. SAMPLE ID Xcel Energy Chris Pelosi RADIUM Pace Analytical Fax Required Client Information: Requested Due Date/TAT: Additional Comments: Section D Jone: (612) 597-7254 Section A Company: Email To: Address: 10 2 9 2 8 12 7 က #WHI Page 12 of 13

| Pace Analytical Client Name:  Durier: Fed Ex UPS USPS Client  Durier: Fed Ex UPS USPS Client  Durier: Grad Structure Search  District Temperature Observed Temp  District Temperature Observed Tempera | nt 🗆 ı                                           | Comme         | ercial<br>Seals | s intact: yes                | Project # LIMS            | _3 0 4 2 5 Label      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------|-----------------|------------------------------|---------------------------|-----------------------|
| ourier: Fed Ex UPS USPS Clien acking #: 9371 939 358 3 ustody Seal on Cooler/Box Present: yes dermometer Used cooler Temperature Observed Temp mp should be above freezing to 6°C comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | nt 🗆 ı                                           | Comme         | ercial<br>Seals | s intact: yes                |                           | Label M               |
| acking #: 9371 939 35% 3 ustody Seal on Cooler/Box Present:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | · · · ·                                          | no<br>of Ice: | Seals           | s intact: yes                | LIMS                      | <del></del>           |
| ustody Seal on Cooler/Box Present:  yes permometer Used poler Temperature  Observed Temp pup should be above freezing to 6°C pomments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | U r                                              | of Ice:       |                 |                              | LIMS                      | S Login V             |
| ustody Seal on Cooler/Box Present:  yes permometer Used poler Temperature  Observed Temp pup should be above freezing to 6°C pomments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | U r                                              | of Ice:       |                 |                              |                           |                       |
| poler Temperature Observed Temp mp should be above freezing to 6°C  comments: nain of Custody Present:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Type                                             | _             | Wet             |                              |                           |                       |
| mp should be above freezing to 6°C  omments:  nain of Custody Present:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  | . ° C         |                 | Blue (None                   |                           |                       |
| omments:<br>nain of Custody Present:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                  |               | Corre           | ection Factor:               | · ° C Final Tem           | p: °C                 |
| nain of Custody Present:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |               |                 |                              |                           |                       |
| nain of Custody Present:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |               |                 | pH paper Lot#                | Date and initials         | s of person examining |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                              | No            | N/A             | 1003801                      |                           | 7                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                |               | <del> </del>    | 1.                           |                           |                       |
| nain of Custody Filled Out:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                                                |               |                 | 2.                           |                           |                       |
| nain of Custody Relinquished:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | \ <u>\</u>                                       |               |                 | 3.                           |                           |                       |
| mpler Name & Signature on COC:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <del>                                     </del> |               |                 | 4.                           |                           |                       |
| ample Labels match COC:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  | L             | <u> </u>        | 5.                           |                           |                       |
| -Includes date/time/ID Matrix:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | WT                                               | <u> </u>      | τ               |                              |                           |                       |
| imples Arrived within Hold Time:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |               |                 | 6.                           |                           |                       |
| nort Hold Time Analysis (<72hr remaining):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  | W .           | <u> </u>        | 7.                           |                           | <del>.</del>          |
| ish Turn Around Time Requested:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |               | ļ               | 8.                           |                           |                       |
| fficient Volume:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | V                                                |               |                 | 9.                           |                           |                       |
| orrect Containers Used:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                                                |               |                 | 10.                          |                           |                       |
| -Pace Containers Used:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                                                |               |                 |                              |                           |                       |
| ontainers Intact:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | V                                                |               |                 | 11.                          |                           |                       |
| thophosphate field filtered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |               | 1               | 12.                          |                           |                       |
| x Cr Aqueous sample field filtered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |               |                 | 13.                          |                           |                       |
| ganic Samples checked for dechlorination:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |               | <u> </u>        | 14.                          |                           |                       |
| tered volume received for Dissolved tests                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |               | 1               | 15.                          |                           |                       |
| containers have been checked for preservation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ~                                                |               | <u> </u>        | 16. PH 4                     | 2                         |                       |
| ceptions: VOA, coliform, TOC, O&G, Phenolics<br>n-aqueous matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | s, Radon                                         | 1             |                 |                              | <i>~</i>                  |                       |
| containers meet method preservation quirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |               |                 | Initial when TAG-            | Date/time of preservation |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F                                                |               |                 | Lot # of added               |                           |                       |
| and the second of the second o |                                                  |               |                 | preservative                 |                           |                       |
| adspace in VOA Vials ( >6mm):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |               |                 | 17.                          |                           |                       |
| p Blank Present:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |               |                 | J8.                          |                           |                       |
| p Blank Custody Seals Present<br>d Samples Screened < 0.5 mrem/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |               |                 | Initial when                 | 1 .//                     | Survey Meter          |
| a compression and months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>'</u>                                         |               |                 | Initial when completed: JAG- | Date: 6/14/21             | sn: 1563              |

 $\ \square$  A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

\*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

## Appendix B

Fall 2021 Assessment Monitoring Event Field Datasheets and Laboratory Reports



| lati                                         | Client _             |                                    |                                      |                         | - 000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | nds Fall 202                                            |                   |                    | -05223                 |
|----------------------------------------------|----------------------|------------------------------------|--------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------|--------------------|------------------------|
|                                              | Monitorin            | ng Point ID_                       | P-130                                |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         | La                | beled ?            | -130                   |
| Well Description and Presampling Information | Inside               | e Diameter                         | 2                                    | (inches)                | Key #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2106                                                    | X Locked          | d 🗆                | Not Locked             |
| e<br>Bu                                      | Casin                | g Material:                        | X PVC                                | ☐ Ste                   | eel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ☐ Stainless S                                           | Steel             |                    |                        |
|                                              |                      | De                                 | epth Measu                           | rement a                | nd Eleva                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tions (from t                                           | top of well       | casing)            |                        |
| esa                                          |                      |                                    |                                      |                         | 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | asing Elevation                                         |                   |                    | Feet www.cof           |
|                                              |                      | 01-1:1                             |                                      | and the contract of the |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | otal Well Depth                                         |                   | 4                  | Feet wes car           |
|                                              | St                   |                                    |                                      |                         | All the second s | g (Start Depth)<br>g (Final Depth)                      |                   |                    | Feet Feet              |
|                                              | 0.                   | and water lev                      |                                      |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Before Purging                                          |                   |                    | Feet                   |
|                                              | Purge Me             | thod Bla                           | Wer Pump                             |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         | Pump ID           | BPC-1              |                        |
|                                              | Date Pu              |                                    | 14/21                                |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         | ater Column       |                    | Feet                   |
|                                              |                      | rged 17405                         |                                      |                         | A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                         | sing Volume       |                    |                        |
|                                              | Pump I               | Rate                               | 0.2                                  |                         | GPM)/ LPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | V Volu                                                  | ıme Purged        | 3.0                | Gallons                |
| T                                            | Date                 | e Sampled                          | 114/21                               |                         | Fiel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | d Paramete                                              | r Measure         | ments of           | Sample                 |
|                                              |                      | e Sampled                          |                                      | _                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | pH 7 8                                                  | _(units)          |                    | i O ·   (mg/l)         |
|                                              | Samp                 | ling Equip. <u>(</u>               |                                      |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | nd. 300                                                 | _(µmhos/cm)       | Turbidity          |                        |
| Pala                                         |                      |                                    | MPS-7/7M                             |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ved 11. 7                                               | _(°C)             |                    | 190 (mV)               |
| ?                                            |                      | nalyzed by                         |                                      |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ted 11-3                                                | _(°C)             | Other              | M                      |
| Ì                                            |                      | ield Measurer<br>le for Soluble    |                                      |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         | ☐ No              | □ NA               |                        |
| rieid Sampinig                               | Samp                 |                                    | ature Correct                        |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | °C                                                      | ☐ 140             | □ INA              |                        |
|                                              | Weather C            | onditions Dur                      |                                      |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C. TMPH                                                 |                   |                    |                        |
|                                              | Sample D             | escription:                        | len no o                             | du                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |                   |                    |                        |
|                                              | Obs                  | servations:                        | rene                                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |                   |                    |                        |
|                                              |                      | * +1                               | Radium                               |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |                   |                    |                        |
| -                                            |                      | - 43                               | 400(00*)                             |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                         |                   |                    |                        |
| 7                                            | Time                 | рН                                 | Specifc Cond                         |                         | Temp (°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                         | Turbidity         | Eh                 | Volume Purged          |
|                                              |                      | pH<br>(units)                      | Specifc Cond                         | cm)                     | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | i) (mg/l)                                               | (NTU)             | (mV)               | (cumulative gal)       |
|                                              | 1410                 | pH (units)                         | Specifc Cond                         | om)                     | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3                                        | (NTU)             | (mV)<br>192        | (cumulative gal)       |
| ation lest                                   | 1410                 | pH (units) 7.7 7.8                 | Specific Cond<br>(µmhos/o            | om)<br>O                | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1                              | (NTU)  M4  MA     | (mV)<br>197<br>191 | (cumulative gal)       |
| DINZATION LEST                               | 1410                 | pH (units)                         | Specifc Cond                         | om)<br>O                | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1<br>- 10.1                    | (NTU)  MA  MA     | (mV)<br>192        | (cumulative gal)       |
| Steinmeathon rest                            | 1410                 | pH (units) 7.7 7.8                 | Specific Cond<br>(µmhos/o            | om)<br>O                | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1                              | (NTU)  MA  MA     | (mV)<br>197<br>191 | (cumulative gal)  / 2  |
| Stabilization rest                           | 1410                 | pH (units) 7.7 7.8                 | Specific Cond<br>(µmhos/o            | om)<br>O                | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1<br>- 10.1                    | (NTU)  MA  MA     | (mV)<br>197<br>191 | (cumulative gal)  / 2  |
|                                              | 1415                 | pH (units) 7.7 7.8 7.8             | Specifc Cond<br>(µmhos/o<br>33<br>30 | 6m)<br>0                | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1<br>- 10.1<br>- 10.1          | (NTU)  MA  MA     | (mV)<br>197<br>191 | (cumulative gal)  / 2  |
| _                                            | 1410<br>1415<br>1420 | pH (units) 7.7 7.8 7.8             | Specifc Cond<br>(µmhos/o<br>33<br>30 | om)<br>O                | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1<br>- 10.1                    | (NTU)  MA  MA     | (mV)<br>197<br>191 | (cumulative gal)  / 2  |
| S                                            | 1415<br>1420         | pH (units) 7.7 7.8 7.8             | Specific Cond (µmhos/o 33 30 30      | em) 0 0                 | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1<br>- 10.1<br>- 10.1<br>Other | (NTU)  MA  MA  MA | (mV)<br>197<br>191 | (cumulative gal)  / 2  |
| S                                            | 1410<br>1415<br>1420 | pH (units) 7.7 7.8 7.8             | Specifc Cond<br>(µmhos/o<br>33<br>30 | em) 0 0                 | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1<br>- 10.1<br>- 10.1          | (NTU)  MA  MA  MA | (mV)<br>197<br>191 | (cumulative gal)  / 2  |
| Sim                                          | 1415<br>1420         | pH (units) 7.7 7.8 7.8 Sampler(s): | Specific Cond (µmhos/o 33 30 30      | em) 0 0                 | (observed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (mg/l)<br>- 10.3<br>- 10.1<br>- 10.1<br>- 10.1<br>Other | (NTU)  MA  MA  MA | (mV)<br>197<br>191 | (cumulative gal) ( 2 3 |



| Lio                     | Client Xco          | el Energy     |                                  | Projec     | ct Shee     | Pords   | Fall 2021    | Projec     | ct No. 2 | 1-05223          |
|-------------------------|---------------------|---------------|----------------------------------|------------|-------------|---------|--------------|------------|----------|------------------|
| Presampling Information | Monitoring          | Point ID_     | P-131                            |            |             |         |              | La         | abeled   | P-131            |
| ıforı                   | Inside [            | Diameter      | 2                                | (inches)   | Key#        | 2100    | ,            | X Locked   | d [      | Not Locked       |
| ng Ir                   | Casing              | Material:     | ₩ PVC                            | s          | teel        |         | Stainless St | teel       |          |                  |
| nplir                   |                     | De            | pth Measu                        | rement     | and Elev    | ations  | s (from to   | op of well | casing)  | , "III           |
| esar                    |                     |               |                                  |            | Top of      | Casing  | Elevation    | NA         |          | Feet             |
| I P                     |                     |               |                                  |            |             |         |              | 48.5       |          | Feet Julie       |
| and                     |                     |               | r level measu                    |            |             |         |              |            |          | _1 cc1 1         |
| tion                    | Stat                | ic water leve | el measureme                     |            |             | (Z      |              |            |          | Feet             |
| Well Description        | Purge Meth          | od 31.1       | der Pimp                         | rater Leve | el Elevatio | n Belor | e Purging    |            | BPC-1    | _Feet            |
| Des                     | Date Purg           |               | 4/21                             |            | _           |         | Wat          | ter Column |          |                  |
| lle/                    | Time Purg           |               | 5-1219                           |            |             |         |              | ng Volume  |          |                  |
| 5                       | Pump Ra             | ate           | 0-2                              |            | GPM/L       | .PM     | Volu         | me Purged  | 4.8      | Gallons          |
|                         | Date S              | Sampled       | 114/21                           |            | F           | ield Pa | arameter     | Measure    | ments of | Sample           |
|                         |                     |               | 1225                             |            |             |         |              | (units)    |          | 8. Ce (mg/l)     |
|                         |                     | g Equip.      |                                  |            | Spec.       | Cond.   | 7            | (µmhos/cm) |          | 1,3 (NTU)        |
| Data                    | 100                 | Meter ID M    | 5-7/145                          |            | emp. Obs    | _       |              | (°C)       |          | 206 (mV)         |
| g bı                    | Ana                 | alyzed by     | Rus                              | _  T       | emp. Corr   | ected_  | 9.9          | (°C)       | Other    | · MA             |
| Field Sampling          |                     |               | nents Temp.                      |            |             | X \     |              | ☐ No       | ☐ NA     |                  |
| San                     | Sample              |               | Metals Filtere<br>ature Correcti |            |             | °C      | r'es         | ☐ No       | □ NA     | -                |
| ield                    | Weather Cor         |               |                                  |            |             |         | TMPH         |            |          |                  |
| L                       |                     |               | eer no va                        |            |             |         |              |            |          | -                |
|                         | Obse                | rvations:     | rene                             |            |             |         |              |            |          |                  |
|                         | *                   |               | M                                |            |             |         |              |            |          |                  |
|                         | Time                | рН            | Specifc Cond                     |            | Temp        |         | D.O.         | Turbidity  | Eh       | Volume Purged    |
| #                       | etr.                | (units)       | (μmhos/c                         | m)         | (obser      |         | (mg/l)       | (NTU)      | (mV)     | (cumulative gal) |
| Te                      | 1203                | 7.6           | 580                              |            | 9-8         |         | 9.2          | M          | 206      | 1.6              |
| tion                    | 1211                | 7.7           | 590                              |            | 9.1         | 2.6     |              | MA         | 20(e     | 3.7              |
| Stabilization Test      | 1219                | 7.7           | 310                              |            | 1 -         | 8       | 8.6          | MA         | 206      | 4. 8             |
| Stab                    |                     |               |                                  |            |             |         | _            |            |          |                  |
|                         |                     |               |                                  |            |             | RO      | mula         |            |          |                  |
|                         |                     |               | TV.                              |            |             |         | main         |            |          |                  |
|                         | imples chilled im   |               | ter collection:                  | >          | ≺ Yes       | Othe    | r            |            |          |                  |
|                         | Revised 01/25/2021  | ,             | 211                              | 1 -        |             | D A     | . 11.        | 1          |          |                  |
| Nam                     | e/Affiliation of Sa | ampler(s):    | Colly Jaco                       | bsm        | -           | uce A   | nulytica     | U          |          |                  |
| L                       | ead Technician S    | Signature: /  | (les )                           |            |             |         |              | Date:      | 11/4/2   | 1                |
| _                       |                     | 7             | 11                               |            |             |         |              |            |          |                  |



| uo                                           | Client X         | cel Energy     |                              | Projec    | t_Sheo          | Pords                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Fall 202       | Proje              | ct No      | 21-0     | 5223                            |
|----------------------------------------------|------------------|----------------|------------------------------|-----------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------|------------|----------|---------------------------------|
| Well Description and Presampling Information | Monitorin        | g Point ID_    | P-132                        |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | La                 | beled_     | P-132    |                                 |
| nfor                                         | Inside           | Diameter       | 2                            | (inches)  | Key#_           | 210                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6              | X Locke            | d          | ☐ Not I  | Locked                          |
| ng li                                        | Casing           | Material:      | PVC                          | ☐ St      | eel             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stainless S    | teel               |            |          |                                 |
| mpli                                         |                  | De             | epth Measu                   | rement a  | and Elev        | ation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | s (from t      | op of well         | casing     | 9)       |                                 |
| resa                                         |                  |                |                              |           | 7.2             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Elevation      |                    |            | Feet     |                                 |
| d Pi                                         |                  | Statio water   | or lovel mean                | romant ha |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Well Depth     |                    |            |          | 17 mesond 11/1/4                |
| n an                                         | Sta              |                | er level measurem            |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                    |            | Feet     |                                 |
| ptio                                         | 0.0              | atio water lev |                              |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | re Purging     |                    |            | Feet     |                                 |
| scri                                         | Purge Met        | hodBla         | idder Ping                   |           | _               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | Pump ID            | BP         | 6-1      |                                 |
| I De                                         | Date Pur         |                | 11/3/21                      |           | _               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | ter Column         |            |          | Feet                            |
| Wel                                          | Time Pur         | 7.0            | 10-0849                      |           | - GO]           | D14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                | ing Volume         | -          |          | Gallons                         |
|                                              | Pump F           | (ate           | 0.2                          |           | _GPM/L          | .PIVI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Volu           | me Purged          | 1-         | 8        | Gallons                         |
|                                              | Date             | Sampled _      | 11/3/21                      |           | F               | eld P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | aramete        | r Measure          | ments      | of San   | nple                            |
|                                              |                  | Sampled        |                              | -         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | (units)            |            | 0.0 8.   | A NA                            |
| æ                                            | Sampl            | ing Equip.     |                              | =  _      |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | _(μmhos/cm)        | Turbi      |          |                                 |
| Data                                         | ۸۰               | nalyzed by     | 195-7/TMS                    | _         |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9.6<br>9.6     | -                  | Ot         | Eh Zi    |                                 |
| ling                                         |                  |                |                              |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes            | _( ∪ No            |            |          |                                 |
| Sampling                                     |                  |                | ments Temp.<br>Metals Filter |           |                 | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Yes            | ☐ No               |            | NA<br>NA |                                 |
| Sp                                           |                  |                | ature Correct                |           | _               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                    |            |          |                                 |
| Field                                        | Weather Co       | onditions Du   | ring Sampling                | 27F, P.   | ently (10       | Jely                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | , Duin         | 4                  |            |          |                                 |
|                                              |                  |                | leer no d                    |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                    |            |          |                                 |
|                                              | Ups<br>*x ⋅      | ervations:     | nene_                        |           |                 | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                    |            | _        |                                 |
|                                              |                  |                |                              |           | -               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                    |            |          |                                 |
|                                              | Time             | pH<br>(units)  | Specifc Cond<br>(µmhos/      |           | Temp<br>(observ | COLUMN TO THE PARTY OF THE PART | D.O.<br>(mg/l) | Turbidity<br>(NTU) | Eh<br>(mV) | 200      | olume Purged<br>cumulative gal) |
| est                                          | 0843             | 7.5            | 630                          |           | 9.0             | e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8.6            | MA                 | 212        |          | 9-6                             |
| on T                                         | 0846             | 7,4            | 630                          |           | 9.9             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8,7            | mA                 | 214        | 1        | 1.2                             |
| izati                                        | 0849             | 7.4            | 630                          |           | 9.5             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8.7            | MA                 | 216        | 0        | 1.8                             |
| Stabilization Test                           | -                |                |                              |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4.01           |                    |            | 4 4      |                                 |
| St                                           |                  |                |                              |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 113/11         |                    |            |          |                                 |
|                                              |                  |                |                              |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                    |            |          |                                 |
| Sa                                           | amples chilled i | mmediately a   | fter collection:             | ×         | Yes             | Oth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | er             |                    |            |          |                                 |
|                                              | Revised 01/25/20 |                | 21 1                         |           |                 | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                    |            |          |                                 |
| Nam                                          | e/Affiliation of | Sampler(s):    | (ley Jaco)                   | oser      |                 | Pace 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Analytica      | l                  |            |          |                                 |
|                                              | an Faste Ald     | /              | 20/46                        |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | 5                  |            | 3/21     |                                 |
| L                                            | ead Techniciar   | signature:     | Cary J                       |           |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | Date:              |            | 13/0     |                                 |



| W                       | Client X         | cel Energ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | y                  | Projec     | ct Sherco P.   | nds Fall 2021  | Projec       | ct No. 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1-05359          |
|-------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|----------------|----------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| natio                   | Monitorir        | ng Point ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | P-132              |            | RADIUM         | RESAMPLE       |              | beled Pr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| forr                    | 1.00             | Diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                  | (inches)   | Key# 7         | 2010           | □ Locked     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Not Locked       |
| ul Gi                   | Casin            | g Material:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ₩ PVC              | Πs         |                | Stainless S    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1000             |
| Presampling Information |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Depth Measu        | rement     | and Elevat     | tions (from t  | op of well   | casing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |
| ssan                    |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | THE STREET, SAN OF |            |                | sing Elevation |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Feet             |
| Pre                     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |            | То             | tal Well Depth | 36.5         | 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Feet             |
| Well Description and    |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ter level measi    |            |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Feet             |
| lion                    | St               | atic water le                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | vel measurem       |            |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Feet             |
| cripi                   | Purge Me         | thad 31.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Static V           | vater Leve | el Elevation E | Before Purging |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _Feet            |
| Desc                    | Date Pur         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30/2               |            | -              | Wa             | ter Column   | BPC-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |
| le l                    | Time Pur         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0 - 0819           |            | _              |                | ing Volume   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| Š                       | Pump F           | A CONTRACTOR OF THE PARTY OF TH | 0.2                |            | GPM/LPM        |                | ime Purged   | 1.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Gallons          |
|                         | Date             | Sampled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 130/20             | - 10       | Fiel           | d Paramete     | r Measure    | ments of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sample           |
|                         | 7.7              | Sampled _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |            |                | pH 7.6         | (units)      | Control of the Contro | 9 Z (mg/l)       |
|                         |                  | ing Equip.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | -          |                | nd. 610        | - (μmhos/cm) | Turbidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| Data                    |                  | Meter ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MPS-7/TMS          | Т Т        | emp. Observ    |                | (°C)         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 160 (mV)         |
| g D                     | Aı               | nalyzed by_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Rus                | Т          | emp. Correct   | ted 91         | (°C)         | Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | mt               |
| Sampling                | Fi               | eld Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ements Temp.       | Corrected  | 1:             | ⊠ Yes          | ☐ No         | □ NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |
| Sarr                    | Sampl            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | e Metals Filter    |            |                | Yes            | ☐ No         | NA NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |
| Field                   | Moother C        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | erature Correct    |            |                | °C             |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| ii.                     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | uring Sampling     |            | ceer, w        | 0,4277         |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|                         |                  | ervations:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |            |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|                         | Y 23             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |            |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|                         | Time             | рН                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Specifc Cond       | uctance    | Temp (°C       | ) D.O.         | Turbidity    | Eh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Volume Purged    |
| 42                      |                  | (units)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (µmhos/            | em)        | (observed      | (mg/l)         | (NTU)        | (mV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (cumulative gal) |
| Tes                     | 0813             | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 600                |            | 8-9            | 9.3            | M            | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.6              |
| tion                    | 08.6             | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 610                |            | 9.0            | 9.3            | MA           | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.2              |
| Stabilization Test      | 0819             | 7.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (e10               |            | 9-0            | 9.2            | MA           | 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18               |
| tab                     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |            |                | POS            |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |            |                |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |            | 1              |                |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | after collection:  |            | Yes 🗡          | Other MA       |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
|                         | Revised 01/25/20 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0-1 1              |            |                |                | 10.10.14     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| Name                    | e/Affiliation of | Sampler(s): _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Kiley Jo           | redosar    |                | Tare An        | obytica l    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| Le                      | ad Technician    | Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 77 Dent            | 7          |                |                | Date:        | 11/30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0/21             |
|                         |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 will             | 1/         | 7              |                |              | 1.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |



| Manifesia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | icel Energy                                                                                    | P-15                                                                                                             | _ Projec                                  |                 |                     |                                                                    |                                          |            |          |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------|---------------------|--------------------------------------------------------------------|------------------------------------------|------------|----------|---------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ng Point ID_<br>e Diameter                                                                     | 2                                                                                                                | (inches)                                  | Key#            | 2100                |                                                                    | La                                       | beled_     | P-15     | Locked        |
| V 2.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | g Material:                                                                                    | ▼ PVC                                                                                                            |                                           | teel            | 100.0               | tainless St                                                        |                                          |            | ☐ NO     | Locked        |
| Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                |                                                                                                                  |                                           |                 |                     | Land Control of                                                    | 10,57                                    | oooloo     |          |               |
| Person                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                | epth Meas                                                                                                        | urement                                   |                 |                     |                                                                    |                                          | casing     | -        |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                |                                                                                                                  |                                           |                 |                     | Elevation<br>ell Depth                                             |                                          | c. c       | Fe       | et mend white |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Static wat                                                                                     | ter level meas                                                                                                   | urement be                                |                 |                     |                                                                    |                                          |            | _        | et J cup      |
| St                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                | evel measuren                                                                                                    |                                           |                 |                     |                                                                    |                                          |            | Fee      |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                |                                                                                                                  | Nater Leve                                |                 |                     |                                                                    |                                          |            | Fee      | et            |
| Purge Met                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | thod                                                                                           | Bladder Pum                                                                                                      | p Grand                                   | Gos Purp        |                     |                                                                    | Pump ID                                  | 68.        | (        |               |
| Date Pur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | rged                                                                                           | M                                                                                                                | 2                                         |                 |                     | Wat                                                                | er Column                                | 011        | 5        | Feet          |
| Time Pur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                | 1                                                                                                                |                                           |                 |                     |                                                                    | ng Volume                                | 0.         | 02       | Gallons       |
| Pump F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rate                                                                                           | V                                                                                                                |                                           | _GPM/L          | .PM                 | Volu                                                               | me Purged                                | g          | 8        | _ Gallons     |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | e Sampled_                                                                                     | alulza                                                                                                           |                                           | Fi              | ield Pa             | rameter                                                            | Measure                                  | ments      | of Sa    | mple          |
| Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | e Sampled _                                                                                    | 1320                                                                                                             | _  -                                      |                 | pH_                 |                                                                    | (units)                                  | D          | 0.0      | (mg/l)        |
| Sampl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ling Equip                                                                                     | Pump                                                                                                             | _                                         | Spec. 0         | Cond.               | -                                                                  | (µmhos/cm)                               |            | dity     | (NTU)         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Meter ID_                                                                                      | MPS-7/TM                                                                                                         | 5 Te                                      | emp. Obse       | erved _             |                                                                    | (°C) "IUT                                | M          | Eh_      | (mV)          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | and the same of the co                                                                         |                                                                                                                  | T.                                        | man Carr        | antan.              |                                                                    | (°C)                                     | Oth        | hor      |               |
| Ai                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | nalyzed by_                                                                                    | Ris                                                                                                              | _                                         | emp. Corre      | ected_              |                                                                    | (0)                                      | Oti        |          |               |
| Fi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | eld Measure                                                                                    | ements Temp.                                                                                                     | Corrected                                 |                 | Ected _             |                                                                    | ☐ No                                     | □ N        | IA       |               |
| Fi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | eld Measure<br>le for Solubl                                                                   | ements Temp.<br>le Metals Filte                                                                                  | Corrected red in Field                    | ;               | XY                  |                                                                    |                                          | □ N        |          |               |
| Fi<br>Sampl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | eld Measure<br>le for Solubl<br>Tempe                                                          | ements Temp.<br>le Metals Filte<br>erature Correc                                                                | Corrected<br>red in Field<br>tion Factor  | ;               | XY                  | 'es                                                                | ☐ No                                     | □ N        | IA       |               |
| Fir<br>Sampl<br>Weather Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du                                          | ements Temp.<br>le Metals Filte<br>erature Correc<br>uring Sampling                                              | Corrected red in Field tion Factor        | :<br>:_+o-1     | XY                  | 'es                                                                | ☐ No                                     | □ N        | IA       |               |
| Fi<br>Sampl<br>Weather Co<br>Sample D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du                                          | ements Temp. le Metals Filte erature Correc uring Sampling  * No SAMP                                            | Corrected red in Field tion Factor course | to 1            | × Y                 | es<br>es                                                           | ☐ No<br>☐ No                             | □ N<br>▼ N | IA<br>IA |               |
| Fir<br>Sampl<br>Weather Co<br>Sample D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | eld Measure le for Solubl Tempe onditions Du escription: servations:                           | ements Temp. le Metals Filte erature Correc uring Sampling  * No SAMP blades pmp                                 | Corrected red in Field tion Factor course | to 1            | × Y                 | es<br>es<br>es                                                     | □ No □ No                                | □ N  ▼ N   | IA<br>IA | adfes insuff  |
| Fir<br>Sampl<br>Weather Co<br>Sample D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:<br>+ Palm | ements Temp. le Metals Filte erature Correc uring Sampling  * No SAMP bladder pmp                                | Corrected red in Field tion Factor        | to 1            | Swi                 | es<br>(es<br>× AH<br>Vel                                           | No No                                    | □ N  N N   | IA IA IA | Ros alula     |
| Fir<br>Sampl<br>Weather Co<br>Sample D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:           | ements Temp. le Metals Filte erature Correct uring Sampling * No SAMP bladder pmp  Specifc Con                   | Corrected red in Field tion Factor g:     | to 1            | Swi                 | es<br>(es<br>(es<br>Vol.                                           | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Find Sample Down Apple | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:<br>+ Palm | ements Temp. le Metals Filte erature Correc uring Sampling  * No SAMP bladder pmp                                | Corrected red in Field tion Factor g:     | to 1  Temp      | Swi                 | es<br>(es<br>× AH<br>Vel                                           | No No                                    | □ N  N N   | IA IA IA | Ros alula     |
| Find Sample Down Apple | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:           | ements Temp. le Metals Filte erature Correct uring Sampling * No SAMP bladder pmp  Specifc Con                   | Corrected red in Field tion Factor g:     | to 1  Temp      | Swi                 | es<br>(es<br>(es<br>Vol.                                           | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Find Sample Down Apple | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:           | ements Temp. le Metals Filte erature Correct uring Sampling * No SAMP bladder pmp  Specifc Con                   | Corrected red in Field tion Factor g:     | to 1  Temp      | Swi                 | es<br>(es<br>(es<br>Vol.                                           | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Find Sample Down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:           | ements Temp. le Metals Filte erature Correct uring Sampling * No SAMP bladder pmp  Specifc Con                   | Corrected red in Field tion Factor g:     | to 1  Temp      | Switter (°C) ved)   | Yel.  D.O. (mg/l)                                                  | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Find Sample Down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:           | ements Temp. le Metals Filte erature Correct uring Sampling * No SAMP bladder pmp  Specifc Con                   | Corrected red in Field tion Factor g:     | to 1  Temp      | Swi                 | Yel.  D.O. (mg/l)                                                  | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Find Sample Down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:           | ements Temp. le Metals Filte erature Correct uring Sampling * No SAMP bladder pmp  Specifc Con                   | Corrected red in Field tion Factor g:     | to 1  Temp      | Switter (°C) ved)   | Yel.  D.O. (mg/l)                                                  | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Find Sample Down Apple | eld Measure<br>le for Solubl<br>Tempe<br>onditions Du<br>escription:<br>eservations:           | ements Temp. le Metals Filte erature Correct uring Sampling * No SAMP bladder pmp  Specifc Con                   | Corrected red in Field tion Factor g:     | to 1  Temp      | Switter (°C) ved)   | Yel.  D.O. (mg/l)                                                  | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Find Sample Down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | eld Measure le for Solubl Tempe onditions Du escription: servations: + Rah w                   | ements Temp. le Metals Filte erature Correc uring Sampling  * No SAMP blu) θυ ρωρ Specifc Con (μmhos             | Corrected red in Field tion Factor g:     | to 1  Temp      | Switter (°C) ved)   | /es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Sample D Obs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | eld Measure le for Solubl Tempe onditions Du escription: servations: + Palu  pH (units)        | ements Temp. le Metals Filte erature Correc uring Sampling  * No SAMP blu) θυ ρωρ Specifc Con (μmhos             | Corrected red in Field tion Factor g:     | Temp (observ    | Swi<br>(°C)<br>ved) | /es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es | No No No Turbidity                       | N N        | IA IA IA | /olume Purged |
| Weather Consumple Discovery Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | eld Measure le for Solubl Tempe onditions Du escription: servations: + Rah w  pH (units)       | ements Temp.  le Metals Filte erature Correct uring Sampling  * No SAMP blu) of proposition  Specific Con (µmhos | Corrected red in Field tion Factor g:     | Temp (observed) | Swi<br>(°C)<br>ved) | /es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es<br>/es | No N | N N        | IA IA IA | /olume Purged |
| Weather Consumple Discourse Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | eld Measure le for Solubl Tempe onditions Du escription: servations: + Rah w  pH (units)       | ements Temp.  le Metals Filte erature Correct uring Sampling  * No SAMP blu) of proposition  Specific Con (µmhos | Corrected red in Field tion Factor g:     | Temp (observed) | Swi<br>(°C)<br>ved) | es<br>(es<br>/es,<br>/et.<br>D.O.<br>(mg/l)                        | No N | N N        | IA IA IA | /olume Purged |



| uo                                           | Client Xcel             | Energy       |                          | Project   | t Sheo          | Pords  | Fall 2021      | Projec             | ct No. 2    | 1-05223                        |
|----------------------------------------------|-------------------------|--------------|--------------------------|-----------|-----------------|--------|----------------|--------------------|-------------|--------------------------------|
| Well Description and Presampling Information | Monitoring Poir         | nt ID        | P-151                    |           |                 |        |                | La                 | beled 1     | 2-151                          |
| ntor                                         | Inside Diam             | neter        | 2                        | (inches)  | Key#_           | 2100   | 9              | X Locked           | d [         | Not Locked                     |
| =<br>5                                       | Casing Mate             | erial:       | N PVC                    | ☐ St      | eel             |        | Stainless St   | eel                |             |                                |
|                                              |                         | Dep          | th Measu                 | ement a   | and Elev        | ation  | s (from to     | op of well         | casing)     |                                |
| 200                                          |                         |              |                          |           |                 |        |                | NA                 |             | Feet                           |
|                                              | 40.                     |              | A. De San                | and the   |                 |        |                | 20,                |             | Feet mind w                    |
|                                              |                         |              | evel measu               |           |                 |        |                |                    |             | _ reet J                       |
| 2                                            | Static wa               | ater level   | measureme                |           |                 |        | re Purging     |                    |             | _Feet<br>Feet                  |
|                                              | Purge Method_           | Bludder      |                          | ater Leve | Licvatio        | Deloi  | ic r diging    |                    | BPC-        |                                |
| S S                                          | Date Purged             |              | 4/21                     |           |                 |        | Wat            | er Column          | -           |                                |
|                                              | Time Purged _           | 1240         | -1252                    |           | - 0             |        | One Casi       | ng Volume          | 0.68        | Gallons                        |
|                                              | Pump Rate _             | C            | 1.2                      |           | GPM/L           | PM     | Volui          | me Purged          | 2.4         | Gallons                        |
|                                              | Date Sam                | pled (       | 14121                    |           | Fi              | eld Pa | arameter       | Measure            | ments o     | f Sample                       |
|                                              | Time Sam                |              |                          |           |                 | рН     | 7.8            | (units)            | D.C         | 9 9 (mg/l)                     |
|                                              | Sampling Ed             | quip. Pu     | ng                       |           | Spec. 0         | Cond.  | 420            | (µmhos/cm)         | Turbidity   | y 2.8 (NTU)                    |
| רמום                                         | Mete                    | er ID FIF    | 15-7/TMS                 | Te        | emp. Obs        | erved_ | 13.9           | (°C)               | El          | 19 (mV)                        |
| 5.<br>2.                                     | Analyze                 | d by         | Rus                      | Te        | emp. Corr       | ected_ | 14.0           | (°C)               | Othe        | r_M                            |
|                                              |                         |              | ents Temp. (             |           |                 | N.     | Yes            | ☐ No               | ☐ NA        |                                |
| Field Sampling                               | Sample for S            |              |                          |           |                 |        | Yes            | ☐ No               | <b>⋈</b> NA |                                |
| Dia                                          | Weather Condition       |              | ure Correcti             |           |                 | - 50   | Cupy           |                    |             |                                |
|                                              | Sample Descrip          | tion: 4      | g camping.               | 40        | sinny           | 36     | 28 P411        |                    |             |                                |
|                                              | Observati               | ons: re      | ne                       | V         |                 |        |                |                    |             |                                |
|                                              | * + Rai                 |              | ***                      |           |                 |        |                |                    |             |                                |
|                                              | Time pl                 |              | Specifc Cond<br>(µmhos/c |           | Temp<br>(observ |        | D.O.<br>(mg/l) | Turbidity<br>(NTU) | Eh<br>(mV)  | Volume Purged (cumulative gal) |
| ž.                                           | 1244 7.                 |              | 420                      |           | 13.             |        | 9.9            | M                  | 197         | 0.8                            |
|                                              | 1248 7                  | 8            | 420                      |           | 13.             |        | 9.3            | MA                 | 198         | 1.6                            |
| Sath                                         | 1252 7.                 | 8            | 420                      |           | 13              |        | 9.5            | M                  | 199         | 2.4                            |
| Stabilization rest                           |                         |              |                          |           |                 |        |                |                    |             |                                |
| 2                                            |                         |              |                          |           |                 |        | 0.00           |                    |             |                                |
|                                              |                         |              |                          |           |                 |        | myly           |                    |             |                                |
| 0-                                           | mples chilled immed     | liately afte | r collection:            | I.        | Yes             | Othe   |                |                    |             |                                |
|                                              | Revised 01/25/2021      | nately afte  | r collection.            | Į.×       | res             | Othe   | er             |                    |             |                                |
|                                              | e/Affiliation of Sample | er(s).       | ila took                 | 0         |                 | Pace 1 | Inalytica      | 1                  |             |                                |
| antil                                        | or annation of oampie   | J. (5).      | 11                       | )         |                 |        | 1              |                    |             |                                |
| Le                                           | ead Technician Signa    | ature:       | Viley V                  | 1         |                 |        |                | Date:              | 11/4/-      | 4                              |
|                                              |                         |              | 14                       |           |                 |        |                |                    |             |                                |



|                                              | Client X                        | icel Energia                        |                                   | Project                                   | Shee Pe    | bads f  | Fall 2021      | Projec             | t No.          | 21-05223                       |
|----------------------------------------------|---------------------------------|-------------------------------------|-----------------------------------|-------------------------------------------|------------|---------|----------------|--------------------|----------------|--------------------------------|
| men beschiption and i resampling information | Monitorir                       | ng Point ID_                        | P-152                             | A                                         |            |         |                | La                 | beled          | P-152A                         |
|                                              | Inside                          | Diameter_                           | 2                                 | (inches)                                  | Key #      | 2106    |                | X Locked           | d [            | Not Locked                     |
|                                              | Casin                           | g Material:                         | PVC                               | ☐ Ste                                     | eel        | ☐ St    | ainless Ste    | eel                |                |                                |
|                                              |                                 | De                                  | epth Meas                         | urement a                                 | nd Eleva   | tions   | (from to       | p of well          | casing)        |                                |
| 1                                            |                                 |                                     |                                   |                                           | Top of C   | asing E | Elevation      | NA                 |                | Feet , white                   |
|                                              |                                 | 4. 1                                |                                   |                                           |            |         | ell Depth_     |                    |                | Feet www.csr                   |
| į                                            | C+                              |                                     | er level meas                     |                                           |            |         |                |                    |                | _Feet J                        |
| h                                            | 36                              | atic water lev                      |                                   | Nater Level                               |            |         |                | VA.                | 16             | Feet<br>Feet                   |
|                                              | Purge Met                       | thod Black                          | der Punp                          | vator Ecvo                                | Licvation  | Deloie  | r diging_      | Pump ID            | BPC-1          |                                |
|                                              | Date Pur                        |                                     | 11/2/21                           |                                           |            |         | Wate           | er Column          |                |                                |
| Ì                                            | Time Pur                        | ged 152                             | 5-1534                            |                                           |            |         | One Casir      | ng Volume          | 0.15           | Gallons                        |
|                                              | Pump F                          | Rate                                | 0.05                              | (                                         | GPM)LP     | M       | Volun          | ne Purged_         | 0,45           | Gallons                        |
|                                              | Date                            | Sampled                             | 11/2/21                           |                                           | Fie        | ld Pai  | rameter        | Measure            | ments o        | of Sample                      |
| Š                                            | Time                            | Sampled _                           | 1535                              |                                           |            | рН_     |                | (units)            | D.             | O (mg/l)                       |
| I                                            | Sampl                           | ing Equip                           | pmp. the He                       | 2 "401                                    | Spec. Co   | ond.    |                | (μmhos/cm)         | Turbidi        | ty(NTU)                        |
| Ì                                            |                                 | Meter ID _!                         | MPS-7 IN                          | 1-5 Te                                    | mp. Obser  | ved     |                | (°C)               | E              | Eh(mV)                         |
|                                              | Aı                              | nalyzed by _                        | R6)                               | _ Te                                      | mp. Correc | cted    |                | (°C)               | Oth            | er                             |
|                                              | Weather Co                      | onditions Durescription:servations: | ature Correcting Sampling  the no | tion Factor: g: 40'F  o) or  removal to a | to-1       | L. T    | wes            | der pmp            | 39.3<br>11 NOS |                                |
|                                              | Time                            | pH<br>(units)                       | Specifc Con                       | ductance                                  | Temp (°0   | C)      | D.O.<br>(mg/l) | Turbidity<br>(NTU) | Eh<br>(mV)     | Volume Purged (cumulative gal) |
|                                              | 1528                            | 8.0                                 | 43                                |                                           | 8.5        |         | 6.8            | NA                 | 180            | 0.15                           |
|                                              | 1531                            |                                     |                                   |                                           |            |         |                |                    |                | 0.30                           |
|                                              | 1534                            |                                     |                                   |                                           |            |         |                |                    |                | 0.45                           |
| 1                                            |                                 |                                     |                                   |                                           |            |         |                |                    |                |                                |
| Ì                                            |                                 |                                     |                                   |                                           | 0          | in      |                |                    |                |                                |
|                                              |                                 |                                     |                                   |                                           | 117        | 12/21   |                |                    |                |                                |
| -                                            | mples chilled                   | immediately a                       | fler collection:                  |                                           | Yes        | Other   |                |                    |                |                                |
|                                              | Revised 01/25/20                |                                     |                                   |                                           | J 763      | Olliel  |                |                    |                |                                |
| m                                            | e/Affiliation of                | Sampler(s)                          | Rilina                            | Jacobion                                  | Pa         | ce Ar   | ialytical      |                    |                |                                |
| 48                                           | e/Affiliation of ead Technician |                                     | 7/1                               | 4 44 44.1                                 |            |         | 1.000          |                    |                |                                |
| Le                                           | ead Techniciar                  | Signature:                          | light                             |                                           |            |         |                | Date:              | 11/2/          | 2 1                            |
|                                              |                                 | · /                                 | 10                                |                                           |            |         |                |                    |                |                                |



| riesampinig information |                                                              | g Point ID _                                                                               | 115                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1050 2                                             |                               |                       |                  | 2-153                                               |
|-------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|-----------------------|------------------|-----------------------------------------------------|
|                         |                                                              | Diameter                                                                                   | 2                                                                                      | (inches)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Key # 21                                           | 06                            | X Locked              | d 📗              | Not Locked                                          |
|                         | Casing                                                       | g Material:                                                                                | Ŋ PVC                                                                                  | ☐ St                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | eel                                                | ] Stainless St                | eel                   | - L              |                                                     |
|                         |                                                              | De                                                                                         | epth Meas                                                                              | urement a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | and Elevation                                      | ns (from to                   | p of well             | casing)          |                                                     |
| V                       |                                                              |                                                                                            |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10.7                                               | ng Elevation                  |                       |                  | _Feet                                               |
| k                       |                                                              | A 1.                                                                                       |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    | Well Depth                    |                       |                  | Feet] www 11/V                                      |
| X                       | Ct                                                           |                                                                                            |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | efore purging (                                    |                               |                       |                  | Feet                                                |
|                         | Sia                                                          | alic water lev                                                                             |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | of sampling (<br>l Elevation Be                    |                               | NA.                   |                  | Feet<br>Feet                                        |
| Ŋ                       | Purge Met                                                    | hod B                                                                                      | adder Pum                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | i Lievation be                                     | lore Furging                  |                       | BPC-1            | reet                                                |
| V                       | Date Pur                                                     |                                                                                            | 11/4/21                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                  | Wat                           | er Column             |                  | Feet                                                |
|                         |                                                              | ged (12                                                                                    |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |                               | ng Volume             |                  |                                                     |
|                         | Pump R                                                       |                                                                                            | 0.2                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GPM / LPM                                          |                               | me Purged             |                  | Gallons                                             |
|                         | Date                                                         | Sampled_                                                                                   | 114/21                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Field                                              | Parameter                     | Measure               | ments of         | Sample                                              |
| X                       |                                                              | Sampled                                                                                    |                                                                                        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    | -                             | (units)               | District Carrier | 10.7 (mg/l)                                         |
| 3                       |                                                              | ing Equip.                                                                                 |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Spec. Cond                                         |                               | (µmhos/cm)            |                  | 1.5 (NTU)                                           |
|                         |                                                              |                                                                                            | MPS-7/TM                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | emp. Observe                                       |                               | (°C)                  |                  | 185 (mV)                                            |
| 8                       | Ar                                                           | nalyzed by                                                                                 |                                                                                        | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | emp. Corrected                                     |                               | (°C)                  | Other            | mA                                                  |
|                         | / 11                                                         |                                                                                            |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |                               |                       |                  |                                                     |
| -                       |                                                              |                                                                                            |                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |                               |                       | П NA             |                                                     |
| _                       | Fie                                                          | eld Measurer<br>e for Soluble                                                              | ments Temp.                                                                            | Corrected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | : 🛚 🗵                                              | Yes                           | □ No                  | □ NA ☑ NA        |                                                     |
| _                       | Fie<br>Sampl                                                 | eld Measurer<br>e for Soluble<br>Temper                                                    | ments Temp.<br>Metals Filte<br>ature Correc                                            | Corrected<br>red in Field<br>tion Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | : to , °C                                          | Yes                           | ☐ No                  |                  |                                                     |
|                         | Fie<br>Sample<br>Weather Co                                  | eld Measurer<br>e for Soluble<br>Temper<br>onditions Dur                                   | ments Temp.<br>Metals Filte<br>ature Correcting Sampling                               | Corrected red in Field tion Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : X<br>: 10 ) C                                    | Yes<br>Yes                    | ☐ No                  |                  |                                                     |
|                         | Fie<br>Sampl<br>Weather Co<br>Sample De                      | eld Measurer<br>e for Soluble<br>Temper<br>onditions Dur<br>escription:                    | ments Temp. Metals Filte ature Correcting Sampling                                     | Corrected red in Field tion Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : X<br>: 10 ) C                                    | Yes<br>Yes                    | ☐ No                  |                  |                                                     |
|                         | Fie<br>Sampl<br>Weather Co<br>Sample De<br>Obs               | eld Measurer e for Soluble Temper onditions Dur escription:                                | ments Temp. Metals Filte ature Correct ing Sampling Seer re a                          | Corrected red in Field tion Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : to , °C                                          | Yes<br>Yes                    | ☐ No                  |                  |                                                     |
|                         | Fie<br>Sampl<br>Weather Co<br>Sample De<br>Obs               | eld Measurer<br>e for Soluble<br>Temper<br>onditions Dur<br>escription:                    | ments Temp. Metals Filte ature Correct ing Sampling Seer re a                          | Corrected red in Field tion Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | : X<br>: 10 ) C                                    | Yes<br>Yes                    | ☐ No                  |                  |                                                     |
|                         | Fie<br>Sampl<br>Weather Co<br>Sample De<br>Obs               | eld Measurer e for Soluble Temper onditions Dur escription: ervations: + Rahm              | ments Temp. Metals Filte ature Correcting Sampling Seer roce  Specifc Con              | Corrected<br>red in Field<br>tion Factor<br>g: 37 <sup>-5</sup> , i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Temp (°C)                                          | Yes<br>Yes<br>SMP1-           | □ No □ No □ Turbidity | NA NA Eh         | Volume Purged                                       |
|                         | Fie Sample Weather Co Sample De Obs * Time                   | eld Measurer e for Soluble Temper onditions Dur escription: ervations:  pH (units)         | ments Temp. Metals Filte ature Correcting Sampling Meer no element                     | Corrected<br>red in Field<br>tion Factor<br>g: 37 <sup>-5</sup> , i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Temp (°C) (observed)                               | Yes Yes SMPI-                 | No No                 | NA NA            | Volume Purged (cumulative gal)                      |
|                         | Fie Sample Weather Co Sample De Obs                          | eld Measurer e for Soluble Temper onditions Dur escription: ervations:  pH (units)         | ments Temp.  Metals Filte ature Correcting Sampling  Lear room  Specific Con  (jumhos) | Corrected red in Field tion Factor : 37 <sup>-5</sup> , in the control of the | Temp (°C) (observed)                               | D.O. (mg/l)                   | □ No □ No □ No □ No   | Eh (mV)          | Volume Purged (cumulative gal)                      |
|                         | Fie Sample De Obs Time                                       | eld Measurer e for Soluble Temper onditions Dur escription: ervations: pH (units) 8.3      | Metals Filte<br>ature Correcting Sampling<br>dear research                             | Corrected red in Field tion Factor : 37 <sup>-5</sup> , in the control of the | Temp (°C) (observed)                               | D.O. (mg/l)                   | Turbidity (NTU)       | Eh (mV)          | Volume Purged (cumulative gal) O. (c                |
|                         | Fie Sample Weather Co Sample De Obs                          | eld Measurer e for Soluble Temper onditions Dur escription: ervations:  pH (units)         | ments Temp.  Metals Filte ature Correcting Sampling  Lear room  Specific Con  (jumhos) | Corrected red in Field tion Factor : 37 <sup>-5</sup> , in the control of the | Temp (°C) (observed)                               | D.O. (mg/l)                   | □ No □ No □ No □ No   | Eh (mV)          | Volume Purged (cumulative gal)                      |
|                         | Fie Sample De Obs Time                                       | eld Measurer e for Soluble Temper onditions Dur escription: ervations: pH (units) 8.3      | Metals Filte<br>ature Correcting Sampling<br>dear research                             | Corrected red in Field tion Factor : 37 <sup>-5</sup> , in the control of the | Temp (°C) (observed)                               | D.O. (mg/l)                   | Turbidity (NTU)       | Eh (mV)          | Volume Purged (cumulative gal)  O. (cumulative gal) |
|                         | Fie Sample De Obs Time                                       | eld Measurer e for Soluble Temper onditions Dur escription: ervations: pH (units) 8.3      | Metals Filte<br>ature Correcting Sampling<br>dear research                             | Corrected red in Field tion Factor : 37 <sup>-5</sup> , in the control of the | Temp (°C) (observed)                               | D.O. (mg/l) 10.5 10.4         | Turbidity (NTU)       | Eh (mV)          | Volume Purged (cumulative gal)  O. (cumulative gal) |
|                         | Fie Sample Weather Co Sample De Obs                          | eld Measurer e for Soluble Temper onditions Dur escription: ervations: pH (units) 8.3 8.3  | Metals Filte ature Correct ing Sampling Alex row  Specifc Con (jumhos) 180             | Corrected red in Field tion Factor : 37 <sup>-6</sup> , in additional control of the control | Temp (°C) (observed)                               | D.O. (mg/l) 10-5 10.4         | Turbidity (NTU)       | Eh (mV)          | Volume Purged (cumulative gal) O. (c                |
| Sar                     | Fie Sample Weather Co Sample De Obs  Time  1 23 1126 1129    | eld Measurer e for Soluble Temper onditions Dur escription: pervations: pH (units) 8.3 8.3 | Metals Filte ature Correct ing Sampling Alex row  Specifc Con (jumhos) 180             | Corrected red in Field tion Factor : 37 <sup>-6</sup> , in additional control of the control | Temp (°C) (observed) 12: \( \) 17: \( \) 11: \( \) | D.O. (mg/l) 10.5 10.4         | Turbidity (NTU)       | Eh (mV)          | Volume Purged (cumulative gal)  O. (cumulative gal) |
| Sar                     | Fie Sample Weather Co Sample De Obs  Time  ( 23 (1 26 (1 29) | pH (units) 8.3 8.3                                                                         | Metals Filte ature Correct ing Sampling Alex row  Specifc Con (jumhos) 180             | Corrected red in Field tion Factor : 37 F, and the ductance ductan            | Temp (°C) (observed) 17:5 11:5                     | D.O. (mg/l)  10 5  10 7  10 7 | Turbidity (NTU)       | Eh (mV)          | Volume Purged (cumulative gal)  O. (cumulative gal) |
| Sar                     | Fie Sample Weather Co Sample De Obs  Time  1 23 1126 1129    | pH (units) 8.3 8.3                                                                         | Metals Filte ature Correct ing Sampling where Specifc Con (jumhos) 180 180             | Corrected red in Field tion Factor : 37 F, and the ductance ductan            | Temp (°C) (observed) 17:5 11:5                     | D.O. (mg/l)  10 5  10 4  10 7 | Turbidity (NTU)       | Eh (mV)          | Volume Purged (cumulative gal) O. (c                |



|     | Monitoring                                              |                                                                                                        | P-1                                                                                     | 54 A                                                                     |                                                 |                                                                 | La                                      | beled P            | -154A                                          |  |  |  |
|-----|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------|--------------------|------------------------------------------------|--|--|--|
| 6   | Inside                                                  | Diameter _                                                                                             | 2                                                                                       | (inches)                                                                 | Key # 210                                       | 06                                                              | X Locked                                | d                  | Not Locked                                     |  |  |  |
|     | Casing                                                  | Material:                                                                                              | Ŋ PVC                                                                                   | ☐ Ste                                                                    | eel                                             | Stainless St                                                    | eel                                     |                    |                                                |  |  |  |
|     |                                                         | De                                                                                                     | epth Measi                                                                              | urement a                                                                | and Elevation                                   | ns (from to                                                     | p of well                               | casing)            |                                                |  |  |  |
| 1   |                                                         |                                                                                                        |                                                                                         |                                                                          | Top of Casin                                    |                                                                 |                                         |                    | Feet Jumm                                      |  |  |  |
| Ì   |                                                         | Ctatia wate                                                                                            |                                                                                         |                                                                          |                                                 | Well Depth                                                      |                                         |                    |                                                |  |  |  |
| 1   | Sta                                                     |                                                                                                        |                                                                                         |                                                                          | fore purging (S<br>of sampling (F               |                                                                 |                                         | , १५<br>, ५५(      | Feet Feet                                      |  |  |  |
|     | Oto                                                     | ido water lev                                                                                          |                                                                                         |                                                                          | Elevation Bef                                   |                                                                 | NA                                      |                    | Feet                                           |  |  |  |
| H   | Purge Meth                                              | nod1                                                                                                   | Blader Pun                                                                              |                                                                          |                                                 |                                                                 | Pump ID                                 |                    | 1                                              |  |  |  |
|     | Date Purg                                               | ged                                                                                                    | 11/4/21                                                                                 |                                                                          |                                                 | Wat                                                             | er Column                               | 12.5               | 7 Feet                                         |  |  |  |
|     | Time Purg                                               |                                                                                                        | 125 -105                                                                                | Z                                                                        | - A                                             |                                                                 | ng Volume                               |                    |                                                |  |  |  |
| 3   | Pump R                                                  | ate                                                                                                    | 0.2                                                                                     |                                                                          | GPMY LPM                                        | Volur                                                           | ne Purged                               | 6.4                | Gallons                                        |  |  |  |
| İ   | Date                                                    | Sampled _                                                                                              | 114/21                                                                                  |                                                                          | Field F                                         | Parameter                                                       | Measure                                 | ments of           | Sample                                         |  |  |  |
| d   | Time                                                    | Sampled _                                                                                              | 1100                                                                                    | _ '                                                                      |                                                 |                                                                 | (units)                                 | D.O                | 2 · 8 (mg/l)                                   |  |  |  |
|     | Sampli                                                  | ng Equip. 🕑                                                                                            |                                                                                         | _                                                                        | Spec. Cond. 47-0 (µmhos/cm) Turbidity 3.0 (NTU) |                                                                 |                                         |                    |                                                |  |  |  |
|     | Meter ID MPS-7 (TMS Temp. Observed 9 4 (°C) Eh 201 (mV) |                                                                                                        |                                                                                         |                                                                          |                                                 |                                                                 |                                         |                    |                                                |  |  |  |
|     | Analyzed by 201 Temp. Corrected 9.5 (°C) Other M        |                                                                                                        |                                                                                         |                                                                          |                                                 |                                                                 |                                         |                    |                                                |  |  |  |
|     | An                                                      | alyzed by_                                                                                             | ROS                                                                                     | _ le                                                                     |                                                 |                                                                 | ( 0)                                    | Other              | 7007                                           |  |  |  |
|     | Fie                                                     | eld Measure                                                                                            | ments Temp.                                                                             | Corrected:                                                               | X                                               | Yes                                                             | ☐ No                                    | □ NA               |                                                |  |  |  |
|     | Fie                                                     | eld Measure<br>e for Soluble                                                                           | ments Temp.<br>Metals Filter                                                            | Corrected:<br>red in Field:                                              | X                                               |                                                                 |                                         |                    |                                                |  |  |  |
|     | Fie<br>Sample                                           | eld Measure<br>e for Soluble<br>Temper                                                                 | ments Temp.<br>Metals Filter<br>rature Correc                                           | Corrected:<br>red in Field:<br>tion Factor:                              | ₩<br>+0.1 °C                                    | Yes<br>Yes                                                      | ☐ No                                    | □ NA               |                                                |  |  |  |
| E   | Fie<br>Sample<br>Weather Co                             | eld Measure<br>e for Soluble<br>Temper<br>anditions Du                                                 | ments Temp.  Metals Filter rature Correcting Sampling                                   | Corrected:<br>red in Field:<br>tion Factor:<br>g: 34F 4                  | X                                               | Yes<br>Yes                                                      | ☐ No                                    | □ NA               |                                                |  |  |  |
|     | Fie<br>Sample<br>Weather Co<br>Sample De                | eld Measure<br>e for Soluble<br>Temper<br>anditions Du                                                 | ments Temp. Metals Filter rature Correct ring Sampling                                  | Corrected:<br>red in Field:<br>tion Factor:<br>g: 34F 4                  | ₩<br>+0.1 °C                                    | Yes<br>Yes                                                      | ☐ No                                    | □ NA               |                                                |  |  |  |
|     | Fie<br>Sample<br>Weather Co<br>Sample De                | eld Measure<br>e for Soluble<br>Temper<br>enditions Dur<br>escription:                                 | ments Temp. Metals Filter rature Correct ring Sampling                                  | Corrected:<br>red in Field:<br>tion Factor:<br>g: 34F 4                  | ₩<br>+0.1 °C                                    | Yes<br>Yes                                                      | ☐ No                                    | □ NA               |                                                |  |  |  |
|     | Fie<br>Sample<br>Weather Co<br>Sample De                | eld Measure<br>e for Soluble<br>Temper<br>anditions Dur<br>escription:                                 | ments Temp.  Metals Filter rature Correct ring Sampling Accessory rect                  | Corrected: red in Field: tion Factor: g: 34F, 4                          | +0.1 °C                                         | Yes  Yes  Yes  D. YMPH                                          | □ No □ No □ Turbidity                   | □ NA ⊠ NA          | Volume Purged                                  |  |  |  |
|     | Fig. Sample Weather Co Sample De Obse                   | eld Measure<br>e for Soluble<br>Temper<br>anditions Dure<br>escription:<br>ervations:<br>pH<br>(units) | ments Temp.  Metals Filter rature Correct ring Sampling lear re rect Specifc Con (µmhos | Corrected: red in Field: tion Factor: g: 34F, 4                          | Temp (°C) (observed)                            | Yes Yes  Yes  D.O.  (mg/l)                                      | □ No □ No □ No                          | □ NA ⊠ NA          | Volume Purged<br>(cumulative gal)              |  |  |  |
|     | Fie Sample Weather Co Sample De Obse                    | eld Measure<br>e for Soluble<br>Temper<br>anditions Dur<br>escription:<br>ervations:<br>pH<br>(units)  | ments Temp.  Metals Filter rature Correct ring Sampling Acer re  Specifc Con (µmhos     | Corrected: red in Field: tion Factor: g: 34F, 4                          | Temp (°C) (observed)                            | Yes Yes  Yes  D.O. (mg/l)                                       | □ No | □ NA ⊠ NA  Eh (mV) | Volume Purged (cumulative gal)                 |  |  |  |
|     | Fie Sample Weather Co Sample De Obse                    | eld Measured for Soluble Temper anditions Durescription:                                               | ments Temp.  Metals Filter rature Correct ring Sampling Leer re  Specifc Con (µmhos 474 | Corrected: red in Field: tion Factor: g: 34F, 4  advisor: ductance //cm) | Temp (°C) (observed)                            | Yes Yes D.O. (mg/l) 3.7                                         | □ No | Eh (mV)            | Volume Purged<br>(cumulative gal)<br>Z - Z     |  |  |  |
|     | Fie Sample Weather Co Sample De Obse                    | eld Measure<br>e for Soluble<br>Temper<br>anditions Dur<br>escription:<br>ervations:<br>pH<br>(units)  | ments Temp.  Metals Filter rature Correct ring Sampling Acer re  Specifc Con (µmhos     | Corrected: red in Field: tion Factor: g: 34F, 4  advisor: ductance //cm) | Temp (°C) (observed)                            | Yes Yes  Yes  D.O. (mg/l)                                       | □ No | □ NA ⊠ NA  Eh (mV) | Volume Purged (cumulative gal)                 |  |  |  |
|     | Fie Sample Weather Co Sample De Obse                    | eld Measured for Soluble Temper anditions Durescription:                                               | ments Temp.  Metals Filter rature Correct ring Sampling Leer re  Specifc Con (µmhos 474 | Corrected: red in Field: tion Factor: g: 34F, 4  advisor: ductance //cm) | Temp (°C) (observed)                            | Yes Yes D.O. (mg/l) 3.7                                         | □ No | Eh (mV)            | Volume Purged<br>(cumulative gal)<br>Z - Z     |  |  |  |
|     | Fie Sample Weather Co Sample De Obse                    | eld Measured for Soluble Temper anditions Durescription:                                               | ments Temp.  Metals Filter rature Correct ring Sampling Leer re  Specifc Con (µmhos 474 | Corrected: red in Field: tion Factor: g: 34F, 4  advisor: ductance //cm) | Temp (°C) (observed)                            | Yes Yes  Yes  Yes  Yes  Yes  X  3.7  3.7  3.8                   | □ No | Eh (mV)            | Volume Purged<br>(cumulative gal)<br>Z - Z     |  |  |  |
|     | Fie Sample Weather Co Sample De Obse                    | eld Measured for Soluble Temper anditions Durescription:                                               | ments Temp.  Metals Filter rature Correct ring Sampling Leer re  Specifc Con (µmhos 474 | Corrected: red in Field: tion Factor: g: 34F, 4  advisor: ductance //cm) | Temp (°C) (observed)                            | Yes Yes  Yes  Yes  Yes  Yes  X  3.7  3.7  3.8                   | □ No | Eh (mV)            | Volume Purged<br>(cumulative gal)<br>Z - Z     |  |  |  |
| Sa  | Veather Co<br>Sample De<br>Obso<br>Time                 | pH (units)                                                                                             | Specifc Con (µmhos)                                                                     | Corrected: red in Field: tion Factor: g: 34F, 4  adductance //cm)        | Temp (°C) (observed) 9.4                        | Yes Yes  Yes  Yes  Yes  Yes  X  3.7  3.7  3.8                   | □ No | Eh (mV)            | Volume Purged<br>(cumulative gal)<br>Z - Z     |  |  |  |
| Sam | Time  10 3 4 1 10 5 8                                   | pH (units)                                                                                             | Specifc Con (µmhos) 47                                                                  | Corrected: red in Field: tion Factor: g: 34F 4  aductance //om)          | Temp (°C) (observed)  9. 4  9. 4                | Yes  Yes  Yes  Yes  Yes  Yes  XIIII  D.O. (mg/l)  3.7  3.8  3.8 | Turbidity (NTU)                         | Eh (mV)            | Volume Purged<br>(cumulative gal)<br>Z - Z<br> |  |  |  |
| Sam | Veather Co<br>Sample De<br>Obso<br>Time                 | pH (units)                                                                                             | Specifc Con (µmhos) 47                                                                  | Corrected: red in Field: tion Factor: g: 34F, 4  adductance //cm)        | Temp (°C) (observed)  9. 4  9. 4                | Yes Yes Yes  Yes  Yes  Yes  Yes  XIIII                          | Turbidity (NTU)                         | Eh (mV)            | Volume Purged<br>(cumulative gal)<br>Z - Z     |  |  |  |



| uo                      | Client X                                               | icel Energy                 |                 | Projec                                         | t Shew         | Pords  | Fall 202    | Proje       | ct No.     | 21-00   | 5223           |
|-------------------------|--------------------------------------------------------|-----------------------------|-----------------|------------------------------------------------|----------------|--------|-------------|-------------|------------|---------|----------------|
| Presampling Information | Monitorir                                              | ng Point ID_                | P-162           |                                                |                |        |             | L           | abeled_    | P-167   | 2 822156       |
| nfor                    | Inside                                                 | Diameter                    | 2               | (inches)                                       | Key#_          | 210    | 6           | X Locke     | d          | ☐ Not I | _ocked         |
| ng                      | Casin                                                  | g Material:                 | ☐ PVC           | S                                              | teel           |        | Stainless S | Steel       |            |         |                |
| udu                     |                                                        | De                          | epth Measi      | urement                                        | and Elev       | ation  | s (from     | top of well | casing     | g)      |                |
| esal                    |                                                        |                             |                 |                                                | Top of         | Casing | g Elevation | 1           | 1          | Feet    |                |
| Ī                       |                                                        |                             |                 |                                                |                |        | Well Depth  |             |            | Feet    | Thenson with   |
| and                     |                                                        |                             | r level meas    |                                                |                |        |             |             |            | Feet    | . 1            |
| tion                    | St                                                     | atic water lev              |                 |                                                |                |        |             |             |            | Feet    |                |
| Well Description and    | Purge Me                                               | thod Dedicat                |                 | Vater Leve                                     | ei Elevatio    | n Beid | re Purging  | Pump ID     |            | Feet    |                |
| Desi                    | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                  | rged                        |                 | Tomp                                           | <del>-</del> - |        | Wa          | ater Column |            |         | Feet           |
| ell                     | Time Pur                                               |                             | 5-0843          |                                                |                |        |             | sing Volume |            | 30      | Gallons        |
|                         | Pump F                                                 |                             | 0.4             |                                                | GPM/L          | PM     | Volu        | ume Purged  | 7.         | Le      | Gallons        |
| 7                       | Date                                                   | e Sampled                   | n Julza         |                                                | Fi             | ield P | aramete     | r Measure   | ements     | of San  | nple           |
|                         |                                                        | e Sampled                   |                 |                                                |                |        | 8.1         | (units)     |            | 0.0 10  |                |
|                         |                                                        | ling Equip. R               |                 | Spec. Cond. 680 (µmhos/cm) Turbidity 3.6 (NTU) |                |        |             |             |            |         |                |
| Data                    | Meter ID M/S-7/TMS Temp. Observed 8.7 (°C) Eh Zo8 (mV) |                             |                 |                                                |                |        |             |             |            |         |                |
|                         | Analyzed by PCS Temp. Corrected 8.8 (°C) Other Mt      |                             |                 |                                                |                |        |             |             |            |         |                |
|                         | Field Measurements Temp. Corrected: X Yes No NA        |                             |                 |                                                |                |        |             |             |            |         |                |
| Sam                     | Samp                                                   | le for Soluble              |                 |                                                |                | - A    | Yes         | ☐ No        | <b>X</b> 1 | AV      |                |
| Field Sampling          |                                                        |                             | ature Correct   |                                                |                | _°C    |             |             |            |         |                |
| Ĭ                       |                                                        | onditions Dur               |                 |                                                | 1 YEE          | Ø ~    | born        |             |            |         |                |
|                         |                                                        | escription:/<br>servations: |                 | ~                                              |                |        |             |             |            | -       | -              |
|                         | Ob                                                     | * + Radio                   |                 |                                                |                |        |             |             |            |         |                |
|                         |                                                        | Hq                          | Specifc Cond    | ductance                                       | Temp           | (°C)   | D.O.        | Turbidity   | Eh         | I Vc    | olume Purged   |
|                         | Time                                                   | (units)                     | (μmhos/         |                                                | (obser         |        | (mg/l)      | (NTU)       | (mV)       |         | umulative gal) |
| Stabilization lest      | 0831                                                   | 82                          | 8210            | )                                              | 8.8            |        | 10.7        | NA          | 210        |         | 2.4            |
| uo                      | 0837                                                   | 8.1                         | 870             | )                                              | 8.             | 7      | 10.5        | MA          | 208        | 3       | 4.8            |
| zati                    | 0843                                                   | 8.1                         | 88              | 0                                              | 81             | 7      | 10.4        | M           | 705        | 8       | 7.6            |
| apill                   |                                                        |                             |                 |                                                | 1              |        |             |             |            |         |                |
| S                       |                                                        |                             |                 |                                                | -              |        | aus         |             |            |         |                |
|                         |                                                        |                             |                 |                                                |                |        | तापाय       |             |            |         |                |
| Sa                      | imples chilled                                         | immediately at              | ter collection: | [>                                             | < Yes          | Oth    | er          |             |            |         |                |
| orm                     | Revised 01/25/20                                       | 21                          | 01 1            |                                                |                |        |             |             |            |         |                |
| am                      | e/Affiliation of                                       | Sampler(s):                 | Filey Jaco      | beer                                           |                | Pace,  | Analytica   | el          |            |         |                |
|                         |                                                        |                             | 11              | 1                                              |                |        |             |             | /          | ,       |                |
| Le                      | ead Technicia                                          | n Signature: _              | Killy           | 11                                             |                |        |             | Date        | 11/9       | 1/21    |                |
|                         |                                                        |                             | 11/             | 170                                            |                |        |             |             |            |         |                |



| 5                                            | Client                                                                                       | _ Proje                                        | ct Shercol       | ands fa    | 11 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Project No. 21-05 359 |             |            |                       |                   |  |  |
|----------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------|------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|------------|-----------------------|-------------------|--|--|
| natik                                        | Monitoring Point ID P-11e7                                                                   |                                                |                  |            | RADII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JM RE                 | SAMPLE      | La         | Labeled P-162 8221576 |                   |  |  |
| Well Description and Presampling Information |                                                                                              | Diameter                                       |                  | (inches)   | Key#                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | rioce                 |             | ☐ Locke    |                       | Not Locked        |  |  |
| ul Gi                                        | Casing                                                                                       | g Material:                                    | ☐ PVC            | y s        | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       | Stainless S | teel       |                       |                   |  |  |
| ildi.                                        | 1                                                                                            | D                                              | epth Meas        | urement    | and Ele                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | vation                | s (from t   | op of well | casing)               | STERNAL ST        |  |  |
| San                                          |                                                                                              |                                                |                  |            | Top of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Casing                | Elevation   | NA         |                       | Feet              |  |  |
| 4                                            |                                                                                              |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             | 166.00     |                       | Feet * Measured   |  |  |
| and                                          |                                                                                              |                                                | er level meas    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       | Feet while by CSF |  |  |
| o l                                          | Sta                                                                                          | atic water lev                                 | vel measuren     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             | _          | +                     | _Feet             |  |  |
|                                              | Durgo Mot                                                                                    | thod D                                         |                  | 2          | el Elevatio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | on Beto               | re Purging  | Pump ID    | M                     | _Feet             |  |  |
| Sec                                          |                                                                                              | rged 1                                         | Hed Keck !       | mp         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       | Wa          | ter Column |                       | Feet              |  |  |
| T a                                          |                                                                                              |                                                | 5 - 0753         |            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |             | ing Volume |                       | Gallons           |  |  |
| 3                                            |                                                                                              | Rate                                           |                  |            | GPM/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LPM                   |             | me Purged  |                       | Gallons           |  |  |
|                                              | Date                                                                                         | e Sampled                                      | 1130/21          |            | Field Parameter Measurements of Sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |             |            |                       |                   |  |  |
|                                              |                                                                                              | e Sampled                                      |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | рН                    | 8.0         | (units)    | D.O                   | 8-8 (mg/l)        |  |  |
|                                              | Sampl                                                                                        | Spec. Cond. 800 (µmhos/cm) Turbidity 3.0 (NTU) |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
| Data                                         |                                                                                              | Meter ID_                                      | MPS-7/TMS        |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
| 0<br>0                                       | Analyzed by Rus Temp. Corrected 9 - Ce (°C) Other M                                          |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
| mld                                          | Field Measurements Temp. Corrected: Yes No NA                                                |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
| Sam                                          | Sample for Soluble Metals Filtered in Field: ☐ Yes ☐ No ☒ NA                                 |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
| Field Sampling                               | Temperature Correction Factor: roll °C  Weather Conditions During Sampling: Zuf, Wer We YMPH |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
| Ī                                            | Sample D                                                                                     | onditions Du                                   | iring Samplin    | g: _ ¿ ¿ , | wear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | wes                   | Juph        |            |                       |                   |  |  |
|                                              | Sample Description: Neve odel  Observations: Neve                                            |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
|                                              | ODC                                                                                          | ,or varions                                    | 7000             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |
|                                              |                                                                                              | рН                                             | Specifc Cor      | ductance   | Temp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (°C)                  | D.O.        | Turbidity  | Eh                    | Volume Purged     |  |  |
| _                                            | Time                                                                                         | (units)                                        | (µmhos           | /cm)       | (obse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | rved)                 | (mg/l)      | (NTU)      | (mV)                  | (cumulative gal)  |  |  |
| les                                          | 0741                                                                                         | 8.0                                            | 790              |            | 9.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | e                     | 9-4         | NA         | 161                   | 2.4               |  |  |
| <u>.</u>                                     | 0747                                                                                         | 8.0                                            | 800              |            | 9.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | >                     | 9.0         | MA         | 159                   | 4-8               |  |  |
| Izat                                         | 0753                                                                                         | 8.0                                            | 800              |            | 9-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ,                     | 8 8         | NA         | 156                   | 7.2               |  |  |
| Stabilization Test                           |                                                                                              |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            | 2                     |                   |  |  |
| S                                            |                                                                                              |                                                |                  |            | Company of the Assessment of t | -                     | pc)         |            |                       |                   |  |  |
|                                              |                                                                                              |                                                |                  |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       | 11/30/11    |            |                       |                   |  |  |
| Sa                                           | imples chilled                                                                               | immediately i                                  | after collection | 1          | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Othe                  | er          |            |                       |                   |  |  |
| orm                                          | Revised 01/25/20                                                                             | 21                                             | 21               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                     | 1           |            |                       |                   |  |  |
| am                                           | e/Affiliation of                                                                             | Sampler(s):                                    | Giley June       | bour       | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Touch                 | Analy)      | stal       |                       |                   |  |  |
|                                              | and Table 1                                                                                  | - Cit                                          | Alex 1           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             | Detail     | 1/oh                  |                   |  |  |
| Le                                           | ead Technicia                                                                                | i Signature: _                                 | I Want           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             | Date.      | _1/150/0              | /                 |  |  |
|                                              |                                                                                              |                                                | 0 11             |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |             |            |                       |                   |  |  |



| 2                       | Client X                                                                                      | cel Energi                                 | 1                         | Project                        | Sheo 16.    | ids Fall 2021  | Projec     | ct No. 21 | -05223           |  |  |
|-------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------|--------------------------------|-------------|----------------|------------|-----------|------------------|--|--|
| rresampling information | Monitorin                                                                                     | g Point ID_                                | P-163                     |                                |             |                | La         | beled &   | 22157            |  |  |
|                         | Inside                                                                                        | Diameter _                                 | 2                         | (inches)                       | Key #2      | 106            | X Locked   | d 🗌       | Not Locked       |  |  |
| 2                       | Casin                                                                                         | g Material:                                | ☐ PVC                     | ズ Ste                          | el          | Stainless St   | eel        |           |                  |  |  |
| 1                       |                                                                                               | D                                          | epth Measui               | ement a                        | nd Elevat   | ions (from to  | op of well | casing)   |                  |  |  |
|                         |                                                                                               |                                            |                           |                                |             | sing Elevation |            |           | Feet             |  |  |
|                         |                                                                                               | 20.00                                      |                           | on interest and                |             | al Well Depth  |            |           | Feet ] more will |  |  |
| I                       | C+                                                                                            |                                            | er level measur           |                                |             |                |            |           | Leet 1           |  |  |
|                         | 30                                                                                            | alic water le                              | vel measureme<br>Static W |                                |             | efore Purging  |            |           | _Feet<br>Feet    |  |  |
|                         | Purge Me                                                                                      | thod Ded                                   | ata Keck                  |                                | Lievation B | ciole i diging | Pump ID    |           | _1 cct           |  |  |
|                         | Date Pur                                                                                      |                                            | 114/1                     | 1001                           |             | Wat            | er Column  |           | Feet             |  |  |
|                         | Time Pur                                                                                      |                                            | 5-0926                    |                                |             | One Casi       | ng Volume  | 2.54      | Gallons          |  |  |
|                         | Pump F                                                                                        | Rate                                       | 0.4                       | (                              | GPM) LPM    | l Volu         | me Purged  | 8.4       | Gallons          |  |  |
| 3                       | Date                                                                                          | e Sampled                                  | 114/21                    |                                | Field       | Parameter      | Measure    | ments of  | Sample           |  |  |
| d                       |                                                                                               | Dec 100 100 100 100 100 100 100 100 100 10 | 0930                      | pH & ( (units) D.O 10 4 (mg/l) |             |                |            |           |                  |  |  |
| 3                       | Sampl                                                                                         | ing Equip.                                 | Punp                      |                                |             |                |            |           |                  |  |  |
|                         | Meter ID MPS-7/TM Temp. Observed 10.0 (°C) Eh 706 (mV)                                        |                                            |                           |                                |             |                |            |           |                  |  |  |
| ,                       | Analyzed by Aug Temp. Corrected 10-1 (°C) Other                                               |                                            |                           |                                |             |                |            |           |                  |  |  |
| Simding nier            | Field Measurements Temp. Corrected: X Yes No NA                                               |                                            |                           |                                |             |                |            |           |                  |  |  |
|                         | Sample for Soluble Metals Filtered in Field: XYes No NA NA Temperature Correction Factor: C C |                                            |                           |                                |             |                |            |           |                  |  |  |
|                         | Weather C                                                                                     |                                            |                           |                                |             | ,              |            |           |                  |  |  |
|                         | Sample D                                                                                      | escription:                                | ring Sampling:            | 1 - 10                         | 537 , 4     | any            |            |           |                  |  |  |
| 1                       | Obs                                                                                           | servations:                                | and                       |                                |             |                |            |           |                  |  |  |
|                         |                                                                                               | * + Rad                                    |                           |                                |             |                |            |           |                  |  |  |
|                         | Time                                                                                          | pН                                         | Specifc Condu             | ıctance                        | Temp (°C    | D.O.           | Turbidity  | Eh        | Volume Purged    |  |  |
|                         |                                                                                               | (units)                                    | (μmhos/c                  | m)                             | (observed)  |                | (NTU)      | (mV)      | (cumulative gal) |  |  |
|                         | 0912                                                                                          | 8.2                                        | 530                       |                                | 10.0        | 9.8            | M          | 198       | 2.8              |  |  |
|                         | 0919                                                                                          | 8.1                                        | 560                       |                                | 10.0        | 10.1           | NA.        | 200       | 5. Le            |  |  |
| 1                       | 09 24                                                                                         | 8-1                                        | 280                       |                                | 10.0        | 10.4           | W          | 200       | 8.4              |  |  |
| Stabilization rest      |                                                                                               |                                            |                           |                                |             | 40             | 13         |           |                  |  |  |
|                         |                                                                                               |                                            |                           |                                |             | 1174           | 4          |           |                  |  |  |
| 1                       |                                                                                               |                                            | after collection          | ×                              | Yes         | Other          |            |           |                  |  |  |
| Sa                      | mples chilled                                                                                 | immediately a                              | and control of            | _                              |             |                |            |           |                  |  |  |
| m                       | Revised 01/25/20                                                                              | 21                                         | ~ ·                       |                                | -           | S. 57 6        |            |           |                  |  |  |
| m                       | Revised 01/25/20                                                                              | 21                                         | Riley Incols              | ac                             | Pac         | e Analytica    | l          |           |                  |  |  |
| me                      | Revised 01/25/20                                                                              | Sampler(s):                                | Riley Incolor             | soc )                          | Pac         | e Analytica    |            | 114/2     |                  |  |  |



|                                          | Onene _/                                                                                                                                                                                                                                 | cel Energy    | 4                            | Project                            | Shew Pords                      | tall 2021      | Projec             | ct No. 21  | -05223                         |  |  |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------|------------------------------------|---------------------------------|----------------|--------------------|------------|--------------------------------|--|--|
| wen beschpuon and rresampling imormation | Monitorin                                                                                                                                                                                                                                | g Point ID_   | P-164                        |                                    |                                 |                | La                 | beled_82   | 2158                           |  |  |
|                                          | Inside                                                                                                                                                                                                                                   | Diameter_     | 2                            | (inches)                           | Key # 210                       | 06             | X Locke            | d 🗌        | Not Locked                     |  |  |
| ,                                        | Casing                                                                                                                                                                                                                                   | Material:     | ☐ PVC                        | ⅓ Stee                             | el                              | Stainless St   | eel                |            |                                |  |  |
|                                          |                                                                                                                                                                                                                                          |               | epth Measu                   | ement a                            | nd Elevation                    | ns (from to    | p of well          | casing)    |                                |  |  |
| 8                                        |                                                                                                                                                                                                                                          |               |                              |                                    | Top of Casin                    |                |                    |            | Feet                           |  |  |
|                                          |                                                                                                                                                                                                                                          | 200           |                              |                                    |                                 | Well Depth     |                    |            | Feet ], mural 11/11            |  |  |
|                                          | 04-                                                                                                                                                                                                                                      |               | er level measu               |                                    |                                 |                |                    |            | Feet J                         |  |  |
|                                          | Sta                                                                                                                                                                                                                                      | itic water le | vel measureme                |                                    | or sampling (F<br>Elevation Bef |                |                    |            | Feet<br>Feet                   |  |  |
|                                          | Purge Met                                                                                                                                                                                                                                | hod Deal      | anted Keck                   |                                    | Lievation ben                   | ore i diging   | Pump ID            |            | -1 661                         |  |  |
|                                          | Date Pur                                                                                                                                                                                                                                 |               | 114/21                       |                                    |                                 | Wat            | er Column          |            | Feet                           |  |  |
| 8                                        | Time Pur                                                                                                                                                                                                                                 |               | 140 - 095                    |                                    |                                 | One Casi       | ng Volume          | 1.85       | Gallons                        |  |  |
|                                          | Pump R                                                                                                                                                                                                                                   | ate           | 0.4                          |                                    | GPM / LPM                       | Volum          | me Purged          | 7.2        | Gallons                        |  |  |
| ij                                       | Date                                                                                                                                                                                                                                     | Sampled       | 4/4/21                       |                                    | Field F                         | Parameter      | Measure            | ments of   | Sample                         |  |  |
| Ĭ                                        | Time                                                                                                                                                                                                                                     | Sampled _     |                              | pH 7 - 8 (units) D.O 10 · 7 (mg/l) |                                 |                |                    |            |                                |  |  |
| 0                                        | Sampling Equip. Rung Spec. Cond. Steo (µmhos/cm) Turbidity 2 5 (NTL                                                                                                                                                                      |               |                              |                                    |                                 |                |                    |            |                                |  |  |
|                                          | Meter ID MPS-7 /TM5 Temp. Observed 11.7 (°C) Eh 205 (mV)                                                                                                                                                                                 |               |                              |                                    |                                 |                |                    |            |                                |  |  |
|                                          | Analyzed by RCs Temp. Corrected 11-3 (°C) Other MA                                                                                                                                                                                       |               |                              |                                    |                                 |                |                    |            |                                |  |  |
| Sundament Plan                           | Field Measurements Temp. Corrected:  Sample for Soluble Metals Filtered in Field:  Temperature Correction Factor:  Weather Conditions During Sampling:  Sample Description:  Observations:  MYes  No  NA  NA  NA  NA  NA  NA  NA  NA  NA |               |                              |                                    |                                 |                |                    |            |                                |  |  |
|                                          | *                                                                                                                                                                                                                                        | + Radium      |                              |                                    |                                 |                |                    |            |                                |  |  |
|                                          | Time                                                                                                                                                                                                                                     | pH<br>(units) | Specifc Cond<br>(μπhos/c     | SHOKE THE RESERVE                  | Temp (°C)<br>(observed)         | D.O.<br>(mg/l) | Turbidity<br>(NTU) | Eh<br>(mV) | Volume Purged (cumulative gal) |  |  |
|                                          | 0.10                                                                                                                                                                                                                                     | 7.8           | 570                          | )                                  | 11.3                            | 9.8            | M                  | 203        | 2.4                            |  |  |
|                                          | 0946                                                                                                                                                                                                                                     | , 0           | 2 , ~                        |                                    |                                 | 1.0            | , ,                |            |                                |  |  |
|                                          | 09 96                                                                                                                                                                                                                                    | 7-8           | 560                          |                                    | 11.2                            | 9.9            | M                  |            |                                |  |  |
| Catton lest                              |                                                                                                                                                                                                                                          |               |                              |                                    |                                 |                |                    | 704        | 4.8                            |  |  |
| מחוולמווטוו ובאר                         | 09 52                                                                                                                                                                                                                                    | 7-8           | 560                          |                                    | 11.2                            | 9.9            | M                  | 204        | 4-8                            |  |  |
|                                          | 09 52                                                                                                                                                                                                                                    | 7-8           | 560                          |                                    | 11.2                            | 9.9            | M                  | 204        | 4-8                            |  |  |
| 1                                        | 09 52                                                                                                                                                                                                                                    | 7-8           | 560<br>Stel                  |                                    | 11.2                            | 9.9            | M                  | 204        | 4-8                            |  |  |
| Sa                                       | os 52<br>os 58                                                                                                                                                                                                                           | 7 -8<br>7 8   | 560<br>Stel                  |                                    | 11.2                            | 9.9            | M                  | 204        | 4-8                            |  |  |
| rm                                       | og 52<br>og 58<br>emples chilled i                                                                                                                                                                                                       | 7 -8<br>7 ·8  | S(e <sup>o</sup> ) S(e) S(e) | ×                                  | 11. Z 11. 2                     | 9.5<br>10.0    | M                  | 204        | 4-8                            |  |  |
| Sa                                       | os 52<br>os 58                                                                                                                                                                                                                           | 7 -8<br>7 ·8  | S(e <sup>o</sup> ) S(e) S(e) |                                    | 11. Z 11. 2                     | 9.5<br>10.0    | M                  | 204        | 4-8                            |  |  |



### Well Sampling Field Data Log Sheet

| ou                                           | Client X           | cel Energy           |                                  | Projec   | t Sheo         | Pords  | Fall 202       | Projec             | ct No. 2   | 1-05223                        |
|----------------------------------------------|--------------------|----------------------|----------------------------------|----------|----------------|--------|----------------|--------------------|------------|--------------------------------|
| Well Description and Presampling Information | Monitoring         | g Point ID_          | P-165                            |          |                |        |                | La                 | beled @2   | 2159                           |
| nfor                                         | Inside             | Diameter             | 2                                | (inches) | Key#_          | 2100   | 6              | X Locked           | d [        | Not Locked                     |
| ng lı                                        | Casing             | Material:            |                                  | □ s      | teel           |        | Stainless S    | iteel              |            |                                |
| npli                                         |                    | De                   | pth Measu                        | rement   | and Elev       | vation | s (from t      | op of well         | casing)    |                                |
| esal                                         |                    |                      |                                  |          |                |        | Elevation      |                    |            | Feet                           |
| d Pr                                         |                    |                      |                                  |          |                |        | Well Depth     |                    |            | Feet 7 mound 11/1/4            |
| ı an                                         | Sto                |                      | r level measu<br>el measureme    |          |                |        |                |                    |            | Feet Feet                      |
| otio                                         | Ota                | tic water leve       |                                  |          |                |        | re Purging     |                    |            | Feet                           |
| scrip                                        | Purge Meti         | nod Bla              | ilder Pump                       |          |                |        |                | Pump ID            | 5 4 5 5    | - 3. 32.1                      |
| Deg                                          | Date Pur           |                      | 3/21                             |          |                |        | Wa             | ter Column         | 5.18       | Feet                           |
| Nell                                         | Time Purç          |                      | 25-094                           | 0        | -00            |        |                | ing Volume         | 0.8        |                                |
|                                              | Pump R             | ate                  | 0.2                              |          | GPM/L          | -PM    | Volu           | ime Purged         |            | Gallons                        |
|                                              | Date               | Sampled              | 113121                           |          | F              | ield P | aramete        | r Measure          | ments of   | Sample                         |
|                                              | Time               | Sampled              | 0945                             |          |                | pH_    | 7.6            | _(units)           | D.C        | (mg/l)                         |
|                                              | Sampli             | ng Equip. <u>Ρ</u> ι |                                  |          | Spec.          | Cond.  | 570            | _(μmhos/cm)        | Turbidity  | (NTU)                          |
| Data                                         |                    |                      | Ps-7/TMS                         | _        | emp. Obs       |        |                | _(°C)              |            | 713 (mV)                       |
|                                              | An                 | alyzed by            | RUS                              | _ T      | emp. Corr      |        |                | _(°C)              | Othe       | · M                            |
| Sampling                                     |                    |                      | nents Temp.                      |          |                | X      | Yes            | □ No               | □ NA       |                                |
| Sar                                          | Sample             |                      | Metals Filtere<br>ature Correcti |          |                | - 20   | Yes            | ☐ No               | M NA       |                                |
| Field                                        | Weather Co         |                      | ing Sampling                     |          |                | - 0    | und            |                    |            |                                |
| -                                            |                    |                      | berno od 4                       | -        | 1              | ,      |                |                    |            |                                |
|                                              | Obs                | ervations:           | * DUPLICAT                       |          | Collect        | ed @   | this we        | 11 - 11/3/         | 216        |                                |
|                                              | *                  | +Radium              |                                  | * RINS   | EP3            | Collee | ted es         | 0950               |            |                                |
|                                              | Time               | pH<br>(units)        | Specifc Cond                     |          | Temp<br>(obser | 20.00  | D.O.<br>(mg/l) | Turbidity<br>(NTU) | Eh<br>(mV) | Volume Purged (cumulative gal) |
| Stabilization Test                           | 0930               | 7.6                  | 570                              |          | 9-             | 8      | 9.7            | nA                 | 213        | 1                              |
| L uc                                         | 0935               | 7.6                  | 570                              |          | 9.             |        | 9-8            | MA                 | 213        | 7                              |
| zati                                         | 0940               | 7.6                  | 570                              |          | 9.             | 8      | 9.8            | MA                 | 213        | 3                              |
| abilli                                       | -                  |                      |                                  |          |                |        |                |                    |            |                                |
| š                                            |                    |                      |                                  |          |                | 11/3   | m              |                    |            | 1                              |
|                                              |                    |                      |                                  |          |                |        |                |                    |            |                                |
| Sa                                           | amples chilled i   | mmediately af        | ter collection:                  | 5        | < Yes          | Othe   | er             |                    |            |                                |
|                                              | Revised 01/25/202  |                      | 1 1                              | 1        |                |        |                |                    |            | *                              |
| Nam                                          | e/Affiliation of S | Sampler(s):          | Tiley Jaco                       | bson     |                | Pace 1 | Analytica      | J                  |            |                                |
|                                              |                    | /                    | 1/10                             | 0        |                |        |                |                    | 11         |                                |
| Le                                           | ead Technician     | Signature:           | MA                               | /_       |                |        |                | Date:              | 11/3/      | 1                              |
|                                              |                    |                      | 110                              |          |                |        |                |                    |            |                                |





03 December 2021

Eric Ealy

**Environmental Services-Water Minneapolis** 

250 Marquette Plaza

Minneapolis, MN 55401

RE: Sherco Pond 3 CCR

Enclosed are the results of analyses for samples received by the laboratory on 11/03/2021 07:20-11/05/2021 09:00. If you have any questions concerning this report, please feel free to contact me.

CC:

I certify that this analysis report was prepared under my direction or supervision under a system designed to assure that qualified personnel analyzed the submitted samples. All protocols for analysis were followed as required by Minnesota Rules and the Applicable Management Plan.

Sincerely,

Steve Davis

Project Manager



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

#### **ANALYTICAL REPORT FOR SAMPLES**

| Sample ID        | Sample Qualifier | Laboratory ID | Matrix | Sampled          | Received        |
|------------------|------------------|---------------|--------|------------------|-----------------|
| P-130            |                  | MGK0033-08    | Water  | 11/04/2021 14:25 | 11/05/2021 9:00 |
| P-131            |                  | MGK0033-09    | Water  | 11/04/2021 12:25 | 11/05/2021 9:00 |
| P-132            |                  | MGK0033-10    | Water  | 11/03/2021 8:55  | 11/05/2021 9:00 |
| P-151            |                  | MGK0033-11    | Water  | 11/04/2021 13:00 | 11/05/2021 9:00 |
| P-153            |                  | MGK0033-12    | Water  | 11/04/2021 11:35 | 11/05/2021 9:00 |
| P-154a           |                  | MGK0033-13    | Water  | 11/04/2021 11:00 | 11/05/2021 9:00 |
| P-162            |                  | MGK0033-14    | Water  | 11/04/2021 8:45  | 11/05/2021 9:00 |
| P-163            |                  | MGK0033-15    | Water  | 11/04/2021 9:30  | 11/05/2021 9:00 |
| P-164            |                  | MGK0033-16    | Water  | 11/04/2021 10:00 | 11/05/2021 9:00 |
| P-165            |                  | MGK0033-17    | Water  | 11/03/2021 9:45  | 11/05/2021 9:00 |
| Duplicate CCR-P3 |                  | MGK0033-23    | Water  | 11/03/2021 9:45  | 11/05/2021 9:00 |
| Rinse CPR-P3     |                  | MGK0033-24    | Water  | 11/03/2021 9:50  | 11/05/2021 9:00 |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

#### P-130 MGK0033-08 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | n Batch | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |          |           |          |           |          |         |              |               |              |         |
| Chloride                     | < 1.00   | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 15:13 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 15:13 | EPA 300.0    | CRL     |
| Sulfate                      | 3.40     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 15:13 | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| pH                           | 7.83     |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:12 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 156      | 25.0      | mg/L     |           | 1        | BGK0169 | 11/8/21 8:56 | 11/8/21 8:56  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGK0168 | 11/8/21 6:53 | 11/8/21 6:53  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.613    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:40  | EPA 200.8    | CRL     |
| Barium                       | 26.2     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:40  | EPA 200.8    | CRL     |
| Chromium                     | 1.28     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:40  | EPA 200.8    | CRL     |
| Molybdenum                   | < 0.500  | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:40  | EPA 200.8    | CRL     |
| Selenium                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:40  | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | < 0.0500 | 0.0500    | mg/L     | _         | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 15:57 | EPA 200.7    | HRD     |
| Calcium                      | 36.4     | 1.50      | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 15:55 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-131 MGK0033-09 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              | A l 4   |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |          |           |          |           |          |         |              |               |              |         |
| Chloride                     | 22.8     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 15:34 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 15:34 | EPA 300.0    | CRL     |
| Sulfate                      | 29.8     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 15:34 | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| pH                           | 7.74     |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:18 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 318      | 25.0      | mg/L     |           | 1        | BGK0169 | 11/8/21 8:56 | 11/8/21 8:56  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGK0168 | 11/8/21 6:53 | 11/8/21 6:53  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.657    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:43  | EPA 200.8    | CRL     |
| Barium                       | 76.1     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:43  | EPA 200.8    | CRL     |
| Chromium                     | 1.91     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:43  | EPA 200.8    | CRL     |
| Molybdenum                   | 0.527    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:43  | EPA 200.8    | CRL     |
| Selenium                     | 0.724    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:43  | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:03 | EPA 200.7    | HRD     |
| Calcium                      | 71.2     | 1.50      | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:01 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-132 MGK0033-10 (Water) - Chain of Custody Number: Pace

|                              |         | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|---------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result  | Limit     | Units    | Qualifier | Dilution | n Batch | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |         |           |          |           |          |         |              |               |              |         |
| Chloride                     | 1.59    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 17:38 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750 | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 17:38 | EPA 300.0    | CRL     |
| Sulfate                      | 60.6    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 17:38 | EPA 300.0    | CRL     |
| Wet Chemistry                |         |           |          |           |          |         |              |               |              |         |
| pH                           | 7.61    |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:25 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 370     | 25.0      | mg/L     |           | 1        | BGK0169 | 11/8/21 8:56 | 11/8/21 8:56  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00  | 5.00      | mg/L     | M_K-06    | 1        | BGK0168 | 11/8/21 6:53 | 11/8/21 6:53  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |         |           |          |           |          |         |              |               |              |         |
| Arsenic                      | < 0.500 | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:47  | EPA 200.8    | CRL     |
| Barium                       | 40.8    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:47  | EPA 200.8    | CRL     |
| Chromium                     | 2.06    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:47  | EPA 200.8    | CRL     |
| Molybdenum                   | < 0.500 | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:47  | EPA 200.8    | CRL     |
| Selenium                     | 1.39    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:47  | EPA 200.8    | CRL     |
| Total Metals by ICP          |         |           |          |           |          |         |              |               |              |         |
| Boron                        | 0.0866  | 0.0500    | mg/L     | _         | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:09 | EPA 200.7    | HRD     |
| Calcium                      | 82.3    | 1.50      | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:07 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-151 MGK0033-11 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | n Batch | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |          |           |          |           |          |         |              |               |              |         |
| Chloride                     | 18.2     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 17:59 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 17:59 | EPA 300.0    | CRL     |
| Sulfate                      | 14.9     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 17:59 | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| pH                           | 7.82     |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:39 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 232      | 25.0      | mg/L     |           | 1        | BGK0169 | 11/8/21 8:56 | 11/8/21 8:56  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGK0168 | 11/8/21 6:53 | 11/8/21 6:53  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | < 0.500  | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:59  | EPA 200.8    | CRL     |
| Barium                       | 43.9     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:59  | EPA 200.8    | CRL     |
| Chromium                     | 1.14     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:59  | EPA 200.8    | CRL     |
| Molybdenum                   | < 0.500  | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:59  | EPA 200.8    | CRL     |
| Selenium                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 8:59  | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:14 | EPA 200.7    | HRD     |
| Calcium                      | 50.0     | 1.50      | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:13 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-153 MGK0033-12 (Water) - Chain of Custody Number: Pace

| Analyta                      | Decel    | Reporting | Units    | Analyte<br>Qualifier | Dilution | D. A.I. | Durana       | Analyzed      | NA - Al A    | Analyst  |
|------------------------------|----------|-----------|----------|----------------------|----------|---------|--------------|---------------|--------------|----------|
| Analyte                      | Result   | Limit     | Units    | Qualillei            | Dilution | Batch   | Prepared     | Analyzed      | Method       | Allalyst |
| Anions by Ion Chromatography |          |           |          |                      |          |         |              |               |              |          |
| Chloride                     | < 1.00   | 1.00      | mg/L     |                      | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 18:19 | EPA 300.0    | CRL      |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |                      | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 18:19 | EPA 300.0    | CRL      |
| Sulfate                      | 3.31     | 1.00      | mg/L     |                      | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 18:19 | EPA 300.0    | CRL      |
| Wet Chemistry                |          |           |          |                      |          |         |              |               |              |          |
| pH                           | 8.01     |           | pH Units | M_TTT                | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:43 | SM 4500-H+ B | CRL      |
| Total Dissolved Solids       | 106      | 25.0      | mg/L     |                      | 1        | BGK0169 | 11/8/21 8:56 | 11/8/21 8:56  | SM 2540C     | HSD      |
| Total Suspended Solids       | < 5.00   | 5.00      | mg/L     | M_K-06               | 1        | BGK0168 | 11/8/21 6:53 | 11/8/21 6:53  | SM 2540D     | HSD      |
| Total Metals by ICPMS        |          |           |          |                      |          |         |              |               |              |          |
| Arsenic                      | 1.45     | 0.500     | ug/L     |                      | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:03  | EPA 200.8    | CRL      |
| Barium                       | 16.7     | 0.500     | ug/L     |                      | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:03  | EPA 200.8    | CRL      |
| Chromium                     | 1.39     | 0.500     | ug/L     |                      | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:03  | EPA 200.8    | CRL      |
| Molybdenum                   | 0.641    | 0.500     | ug/L     |                      | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:03  | EPA 200.8    | CRL      |
| Selenium                     | < 0.500  | 0.500     | ug/L     |                      | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:03  | EPA 200.8    | CRL      |
| Total Metals by ICP          |          |           |          |                      |          |         |              |               |              |          |
| Boron                        | < 0.0500 | 0.0500    | mg/L     |                      | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:20 | EPA 200.7    | HRD      |
| Calcium                      | 23.4     | 1.50      | mg/L     |                      | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:18 | EPA 200.7    | HRD      |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-154a MGK0033-13 (Water) - Chain of Custody Number: Pace

|                              |          | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|----------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result   | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |          |           |          |           |          |         |              |               |              |         |
| Chloride                     | 7.88     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 18:40 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750  | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 18:40 | EPA 300.0    | CRL     |
| Sulfate                      | 22.2     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 18:40 | EPA 300.0    | CRL     |
| Wet Chemistry                |          |           |          |           |          |         |              |               |              |         |
| рН                           | 7.89     |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:46 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 246      | 25.0      | mg/L     |           | 1        | BGK0174 | 11/9/21 8:57 | 11/9/21 8:57  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00   | 5.00      | mg/L     | M_K-06    | 1        | BGK0173 | 11/9/21 6:59 | 11/9/21 6:59  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |          |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 1.43     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:07  | EPA 200.8    | CRL     |
| Barium                       | 42.6     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:07  | EPA 200.8    | CRL     |
| Chromium                     | 1.04     | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:07  | EPA 200.8    | CRL     |
| Molybdenum                   | 0.734    | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:07  | EPA 200.8    | CRL     |
| Selenium                     | < 0.500  | 0.500     | ug/L     |           | 1        | BGK0136 | 11/5/21 7:38 | 11/9/21 9:07  | EPA 200.8    | CRL     |
| Total Metals by ICP          |          |           |          |           |          |         |              |               |              |         |
| Boron                        | < 0.0500 | 0.0500    | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:26 | EPA 200.7    | HRD     |
| Calcium                      | 54.1     | 1.50      | mg/L     |           | 1        | BGK0135 | 11/5/21 7:36 | 11/8/21 16:24 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-162 MGK0033-14 (Water) - Chain of Custody Number: Pace

|                              |         | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|---------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result  | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |         |           |          |           |          |         |              |               |              |         |
| Chloride                     | 31.4    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:01 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750 | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:01 | EPA 300.0    | CRL     |
| Sulfate                      | 125     | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:01 | EPA 300.0    | CRL     |
| Wet Chemistry                |         |           |          |           |          |         |              |               |              |         |
| рН                           | 7.97    |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:50 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 560     | 25.0      | mg/L     |           | 1        | BGK0174 | 11/9/21 8:57 | 11/9/21 8:57  | SM 2540C     | HSD     |
| Total Suspended Solids       | 14.6    | 5.00      | mg/L     |           | 1        | BGK0173 | 11/9/21 6:59 | 11/9/21 6:59  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |         |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.973   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:39  | EPA 200.8    | CRL     |
| Barium                       | 48.0    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:39  | EPA 200.8    | CRL     |
| Chromium                     | 12.9    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:39  | EPA 200.8    | CRL     |
| Molybdenum                   | 3.04    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:39  | EPA 200.8    | CRL     |
| Selenium                     | 6.82    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:39  | EPA 200.8    | CRL     |
| Total Metals by ICP          |         |           |          |           |          |         |              |               |              |         |
| Boron                        | 0.229   | 0.0500    | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:09 | EPA 200.7    | HRD     |
| Calcium                      | 86.8    | 1.50      | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:07 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-163 MGK0033-15 (Water) - Chain of Custody Number: Pace

|                              |         | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|---------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result  | Limit     | Units    | Qualifier | Dilution | n Batch | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |         |           |          |           |          |         |              |               |              |         |
| Chloride                     | 27.4    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:21 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750 | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:21 | EPA 300.0    | CRL     |
| Sulfate                      | 63.3    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:21 | EPA 300.0    | CRL     |
| Wet Chemistry                |         |           |          |           |          |         |              |               |              |         |
| pH                           | 7.98    |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:54 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 336     | 25.0      | mg/L     |           | 1        | BGK0174 | 11/9/21 8:57 | 11/9/21 8:57  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00  | 5.00      | mg/L     | M_K-06    | 1        | BGK0173 | 11/9/21 6:59 | 11/9/21 6:59  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |         |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.572   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:42  | EPA 200.8    | CRL     |
| Barium                       | 32.9    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:42  | EPA 200.8    | CRL     |
| Chromium                     | 7.83    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:42  | EPA 200.8    | CRL     |
| Molybdenum                   | 0.773   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:42  | EPA 200.8    | CRL     |
| Selenium                     | 5.62    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:42  | EPA 200.8    | CRL     |
| Total Metals by ICP          |         |           |          |           |          |         |              |               |              |         |
| Boron                        | 0.0787  | 0.0500    | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:14 | EPA 200.7    | HRD     |
| Calcium                      | 67.3    | 1.50      | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:13 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-164 MGK0033-16 (Water) - Chain of Custody Number: Pace

|                              |         | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|---------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result  | Limit     | Units    | Qualifier | Dilution | n Batch | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |         |           |          |           |          |         |              |               |              |         |
| Chloride                     | 11.3    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:42 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750 | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:42 | EPA 300.0    | CRL     |
| Sulfate                      | 45.8    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 19:42 | EPA 300.0    | CRL     |
| Wet Chemistry                |         |           |          |           |          |         |              |               |              |         |
| pH                           | 7.91    |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 11:57 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 332     | 25.0      | mg/L     |           | 1        | BGK0174 | 11/9/21 8:57 | 11/9/21 8:57  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00  | 5.00      | mg/L     | M_K-06    | 1        | BGK0173 | 11/9/21 6:59 | 11/9/21 6:59  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |         |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.528   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:46  | EPA 200.8    | CRL     |
| Barium                       | 45.7    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:46  | EPA 200.8    | CRL     |
| Chromium                     | 9.39    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:46  | EPA 200.8    | CRL     |
| Molybdenum                   | 0.530   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:46  | EPA 200.8    | CRL     |
| Selenium                     | 4.65    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:46  | EPA 200.8    | CRL     |
| Total Metals by ICP          |         |           |          |           |          |         |              |               |              |         |
| Boron                        | 0.0797  | 0.0500    | mg/L     | _         | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:20 | EPA 200.7    | HRD     |
| Calcium                      | 72.3    | 1.50      | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:18 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# P-165 MGK0033-17 (Water) - Chain of Custody Number: Pace

|                              |         | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|---------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result  | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |         |           |          |           |          |         |              |               |              |         |
| Chloride                     | 6.46    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 20:03 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750 | 0.750     | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 20:03 | EPA 300.0    | CRL     |
| Sulfate                      | 43.2    | 1.00      | mg/L     |           | 1        | BGK0142 | 11/5/21 9:40 | 11/5/21 20:03 | EPA 300.0    | CRL     |
| Wet Chemistry                |         |           |          |           |          |         |              |               |              |         |
| рН                           | 7.79    |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 12:01 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 334     | 25.0      | mg/L     |           | 1        | BGK0174 | 11/9/21 8:57 | 11/9/21 8:57  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00  | 5.00      | mg/L     | M_K-06    | 1        | BGK0173 | 11/9/21 6:59 | 11/9/21 6:59  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |         |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.542   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:50  | EPA 200.8    | CRL     |
| Barium                       | 41.0    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:50  | EPA 200.8    | CRL     |
| Chromium                     | 2.49    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:50  | EPA 200.8    | CRL     |
| Molybdenum                   | < 0.500 | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:50  | EPA 200.8    | CRL     |
| Selenium                     | 0.738   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:50  | EPA 200.8    | CRL     |
| Total Metals by ICP          |         |           |          |           |          |         |              |               |              |         |
| Boron                        | 0.0554  | 0.0500    | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:26 | EPA 200.7    | HRD     |
| Calcium                      | 77.8    | 1.50      | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:24 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# Duplicate CCR-P3 MGK0033-23 (Water) - Chain of Custody Number: Pace

|                              |         | Reporting |          | Analyte   |          |         |              |               |              |         |
|------------------------------|---------|-----------|----------|-----------|----------|---------|--------------|---------------|--------------|---------|
| Analyte                      | Result  | Limit     | Units    | Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst |
| Anions by Ion Chromatography |         |           |          |           |          |         |              |               |              |         |
| Chloride                     | 6.21    | 1.00      | mg/L     |           | 1        | BGK0172 | 11/8/21 7:31 | 11/8/21 11:07 | EPA 300.0    | CRL     |
| Fluoride                     | < 0.750 | 0.750     | mg/L     |           | 1        | BGK0172 | 11/8/21 7:31 | 11/8/21 11:07 | EPA 300.0    | CRL     |
| Sulfate                      | 42.0    | 1.00      | mg/L     |           | 1        | BGK0172 | 11/8/21 7:31 | 11/8/21 11:07 | EPA 300.0    | CRL     |
| Wet Chemistry                |         |           |          |           |          |         |              |               |              |         |
| рН                           | 7.81    |           | pH Units | M_TTT     | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 12:35 | SM 4500-H+ B | CRL     |
| Total Dissolved Solids       | 344     | 25.0      | mg/L     |           | 1        | BGK0174 | 11/9/21 8:57 | 11/9/21 8:57  | SM 2540C     | HSD     |
| Total Suspended Solids       | < 5.00  | 5.00      | mg/L     | M_K-06    | 1        | BGK0173 | 11/9/21 6:59 | 11/9/21 6:59  | SM 2540D     | HSD     |
| Total Metals by ICPMS        |         |           |          |           |          |         |              |               |              |         |
| Arsenic                      | 0.592   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:54  | EPA 200.8    | CRL     |
| Barium                       | 44.4    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:54  | EPA 200.8    | CRL     |
| Chromium                     | 5.82    | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:54  | EPA 200.8    | CRL     |
| Molybdenum                   | < 0.500 | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:54  | EPA 200.8    | CRL     |
| Selenium                     | 0.713   | 0.500     | ug/L     |           | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 9:54  | EPA 200.8    | CRL     |
| Total Metals by ICP          |         |           |          |           |          |         |              |               |              |         |
| Boron                        | 0.0548  | 0.0500    | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 18:00 | EPA 200.7    | HRD     |
| Calcium                      | 75.7    | 1.50      | mg/L     |           | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 17:57 | EPA 200.7    | HRD     |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

# Rinse CPR-P3 MGK0033-24 (Water) - Chain of Custody Number: Pace

| Analyte                      | Result   | Reporting<br>Limit | Units    | Analyte<br>Qualifier | Dilution | Batch   | Prepared     | Analyzed      | Method       | Analyst   |
|------------------------------|----------|--------------------|----------|----------------------|----------|---------|--------------|---------------|--------------|-----------|
| Allalyte                     | Resuit   | LIIIII             | Office   | Qualifier            | Dilution | Daton   | Fiepaleu     | Analyzeu      | Method       | 7 thaiyot |
| Anions by Ion Chromatography |          |                    |          |                      |          |         |              |               |              |           |
| Chloride                     | < 1.00   | 1.00               | mg/L     |                      | 1        | BGK0172 | 11/8/21 7:31 | 11/8/21 11:28 | EPA 300.0    | CRL       |
| Fluoride                     | < 0.750  | 0.750              | mg/L     |                      | 1        | BGK0172 | 11/8/21 7:31 | 11/8/21 11:28 | EPA 300.0    | CRL       |
| Sulfate                      | < 1.00   | 1.00               | mg/L     |                      | 1        | BGK0172 | 11/8/21 7:31 | 11/8/21 11:28 | EPA 300.0    | CRL       |
| Wet Chemistry                |          |                    |          |                      |          |         |              |               |              |           |
| рН                           | 6.20     |                    | pH Units | M_TTT                | 1        | BGK0141 | 11/5/21 9:39 | 11/5/21 12:39 | SM 4500-H+ B | CRL       |
| Total Dissolved Solids       | < 25.0   | 25.0               | mg/L     | M_K-06               | 1        | BGK0174 | 11/9/21 8:57 | 11/9/21 8:57  | SM 2540C     | HSD       |
| Total Suspended Solids       | < 5.00   | 5.00               | mg/L     | M_K-06               | 1        | BGK0173 | 11/9/21 6:59 | 11/9/21 6:59  | SM 2540D     | HSD       |
| Total Metals by ICPMS        |          |                    |          |                      |          |         |              |               |              |           |
| Arsenic                      | < 0.500  | 0.500              | ug/L     |                      | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 10:06 | EPA 200.8    | CRL       |
| Barium                       | < 0.500  | 0.500              | ug/L     |                      | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 10:06 | EPA 200.8    | CRL       |
| Chromium                     | 1.46     | 0.500              | ug/L     |                      | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 10:06 | EPA 200.8    | CRL       |
| Molybdenum                   | < 0.500  | 0.500              | ug/L     |                      | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 10:06 | EPA 200.8    | CRL       |
| Selenium                     | < 0.500  | 0.500              | ug/L     |                      | 1        | BGK0163 | 11/6/21 9:13 | 11/9/21 10:06 | EPA 200.8    | CRL       |
| Total Metals by ICP          |          |                    |          |                      |          |         |              |               |              |           |
| Boron                        | < 0.0500 | 0.0500             | mg/L     | ·                    | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 18:06 | EPA 200.7    | HRD       |
| Calcium                      | < 1.50   | 1.50               | mg/L     |                      | 1        | BGK0162 | 11/6/21 9:11 | 11/8/21 18:04 | EPA 200.7    | HRD       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

| A1.4-                    | Danist. | Reporting   | l leite | Spike    | Source    | 0/ DEC     | %REC   | DDD      | RPD   | Nata - |
|--------------------------|---------|-------------|---------|----------|-----------|------------|--------|----------|-------|--------|
| Analyte                  | Result  | Limit       | Units   | Level    | Result    | %REC       | Limits | RPD      | Limit | Notes  |
| Batch BGK0080 - Wet Prep |         |             |         |          |           |            |        |          |       |        |
| Blank (BGK0080-BLK1)     |         |             |         | Prepared | & Analyze | d: 11/03/2 | 021    |          |       |        |
| Chloride                 | <1.00   | 1.00        | mg/L    |          |           |            |        |          |       |        |
| Fluoride                 | <0.750  | 0.750       | mg/L    |          |           |            |        |          |       |        |
| Sulfate                  | <1.00   | 1.00        | mg/L    |          |           |            |        |          |       |        |
| Blank (BGK0080-BLK2)     |         |             |         | Prepared | & Analyze | d: 11/03/2 | 021    |          |       |        |
| Chloride                 | <1.00   | 1.00        | mg/L    |          |           |            |        |          |       |        |
| Fluoride                 | <0.750  | 0.750       | mg/L    |          |           |            |        |          |       |        |
| Sulfate                  | <1.00   | 1.00        | mg/L    |          |           |            |        |          |       |        |
| LCS (BGK0080-BS1)        |         |             |         | Prepared | & Analyze | d: 11/03/2 | 021    |          |       |        |
| Chloride                 | 24.494  | 1.00        | mg/L    | 25.000   |           | 98.0       | 90-110 |          |       |        |
| Fluoride                 | 2.3360  | 0.750       | mg/L    | 2.5000   |           | 93.4       | 90-110 |          |       |        |
| Sulfate                  | 24.425  | 1.00        | mg/L    | 25.000   |           | 97.7       | 90-110 |          |       |        |
| LCS (BGK0080-BS2)        |         |             |         | Prepared | & Analyze | d: 11/03/2 | 021    |          |       |        |
| Chloride                 | 24.618  | 1.00        | mg/L    | 25.000   |           | 98.5       | 90-110 |          |       |        |
| Fluoride                 | 2.3750  | 0.750       | mg/L    | 2.5000   |           | 95.0       | 90-110 |          |       |        |
| Sulfate                  | 24.609  | 1.00        | mg/L    | 25.000   |           | 98.4       | 90-110 |          |       |        |
| LCS (BGK0080-BS3)        |         |             |         | Prepared | & Analyze | d: 11/03/2 | 021    |          |       |        |
| Chloride                 | 24.719  | 1.00        | mg/L    | 25.000   |           | 98.9       | 90-110 | <u> </u> |       |        |
| Fluoride                 | 2.3860  | 0.750       | mg/L    | 2.5000   |           | 95.4       | 90-110 |          |       |        |
| Sulfate                  | 24.721  | 1.00        | mg/L    | 25.000   |           | 98.9       | 90-110 |          |       |        |
| Duplicate (BGK0080-DUP1) | So      | urce: MGK00 | 16-06   | Prepared | & Analyze | d: 11/03/2 | 021    |          |       |        |
| Chloride                 | 6.8730  | 1.00        | mg/L    |          | 6.8860    |            |        | 0.189    | 20    |        |
| Fluoride                 | <0.750  | 0.750       | mg/L    |          | <0.750    |            |        |          | 20    |        |
| Sulfate                  | 40.562  | 1.00        | mg/L    |          | 40.609    |            |        | 0.116    | 20    |        |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

| Analyte                         | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD     | RPD<br>Limit | Notes  |
|---------------------------------|---------|--------------------|-------|----------------|------------------|------------|----------------|---------|--------------|--------|
| ,                               | rtodit  | Liiiik             |       | 20101          | rtocan           | 701120     | Liiiito        | - 111 D | Liiiik       | 110100 |
| Batch BGK0080 - Wet Prep        |         |                    |       |                |                  |            |                |         |              |        |
| Duplicate (BGK0080-DUP2)        | Sou     | rce: MGK00         | 16-07 | Prepared       | & Analyze        | d: 11/03/2 | 021            |         |              |        |
| Chloride                        | 12.976  | 1.00               | mg/L  |                | 12.969           |            |                | 0.0540  | 20           |        |
| Fluoride                        | < 0.750 | 0.750              | mg/L  |                | < 0.750          |            |                |         | 20           |        |
| Sulfate                         | 61.723  | 1.00               | mg/L  |                | 61.596           |            |                | 0.206   | 20           |        |
| Matrix Spike (BGK0080-MS1)      | Sou     | rce: MGK00         | 16-06 | Prepared       | & Analyze        | d: 11/03/2 | 021            |         |              |        |
| Chloride                        | 37.686  | 1.25               | mg/L  | 31.250         | 6.8860           | 98.6       | 90-110         |         |              |        |
| Fluoride                        | 3.0350  | 0.938              | mg/L  | 3.1250         | <0.938           | 97.1       | 90-110         |         |              |        |
| Sulfate                         | 71.719  | 1.25               | mg/L  | 31.250         | 40.609           | 99.6       | 90-110         |         |              |        |
| Matrix Spike (BGK0080-MS2)      | Sou     | rce: MGK00         | 16-07 | Prepared       | & Analyze        | d: 11/03/2 | 021            |         |              |        |
| Chloride                        | 44.711  | 1.25               | mg/L  | 31.250         | 12.969           | 102        | 90-110         |         |              |        |
| Fluoride                        | 3.1325  | 0.938              | mg/L  | 3.1250         | <0.938           | 100        | 90-110         |         |              |        |
| Sulfate                         | 93.064  | 1.25               | mg/L  | 31.250         | 61.596           | 101        | 90-110         |         |              |        |
| Matrix Spike Dup (BGK0080-MSD1) | Sou     | rce: MGK00         | 16-06 | Prepared       | & Analyze        | d: 11/03/2 | 021            |         |              |        |
| Chloride                        | 37.923  | 1.25               | mg/L  | 31.250         | 6.8860           | 99.3       | 90-110         | 0.625   | 20           |        |
| Fluoride                        | 3.0713  | 0.938              | mg/L  | 3.1250         | < 0.938          | 98.3       | 90-110         | 1.19    | 20           |        |
| Sulfate                         | 71.918  | 1.25               | mg/L  | 31.250         | 40.609           | 100        | 90-110         | 0.277   | 20           |        |
| Matrix Spike Dup (BGK0080-MSD2) | Sou     | rce: MGK00         | 16-07 | Prepared       | & Analyze        | d: 11/03/2 | 021            |         |              |        |
| Chloride                        | 44.060  | 1.25               | mg/L  | 31.250         | 12.969           | 99.5       | 90-110         | 1.47    | 20           |        |
| Fluoride                        | 3.0600  | 0.938              | mg/L  | 3.1250         | <0.938           | 97.9       | 90-110         | 2.34    | 20           |        |
| Sulfate                         | 92.738  | 1.25               | mg/L  | 31.250         | 61.596           | 99.7       | 90-110         | 0.351   | 20           |        |
| Batch BGK0089 - Wet Prep        |         |                    |       |                |                  |            |                |         |              |        |
| Blank (BGK0089-BLK1)            |         |                    |       | Prepared:      | 11/03/202        | 21 Analyze | d: 11/04/2     | 021     |              |        |
| Chloride                        | <1.00   | 1.00               | mg/L  |                |                  |            |                |         |              |        |
| Fluoride                        | <0.750  | 0.750              | mg/L  |                |                  |            |                |         |              |        |
| Sulfate                         | <1.00   | 1.00               | mg/L  |                |                  |            |                |         |              |        |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

|                          |        | Reporting |       | Spike     | Source    |           | %REC        |        | RPD   |       |
|--------------------------|--------|-----------|-------|-----------|-----------|-----------|-------------|--------|-------|-------|
| Analyte                  | Result | Limit     | Units | Level     | Result    | %REC      | Limits      | RPD    | Limit | Notes |
| Batch BGK0089 - Wet Prep |        |           |       |           |           |           |             |        |       |       |
| Blank (BGK0089-BLK2)     |        |           |       | Prepared: | 11/03/202 | 1 Analyze | d: 11/04/2  | 021    |       |       |
| Chloride                 | <1.00  | 1.00      | mg/L  |           |           |           |             |        |       |       |
| Fluoride                 | <0.750 | 0.750     | mg/L  |           |           |           |             |        |       |       |
| Sulfate                  | <1.00  | 1.00      | mg/L  |           |           |           |             |        |       |       |
| LCS (BGK0089-BS1)        |        |           |       | Prepared: | 11/03/202 | 1 Analyze | ed: 11/04/2 | 021    |       |       |
| Chloride                 | 24.659 | 1.00      | mg/L  | 25.000    |           | 98.6      | 90-110      |        |       |       |
| Fluoride                 | 2.4170 | 0.750     | mg/L  | 2.5000    |           | 96.7      | 90-110      |        |       |       |
| Sulfate                  | 24.681 | 1.00      | mg/L  | 25.000    |           | 98.7      | 90-110      |        |       |       |
| LCS (BGK0089-BS2)        |        |           |       | Prepared: | 11/03/202 | 1 Analyze | ed: 11/04/2 | 021    |       |       |
| Chloride                 | 24.534 | 1.00      | mg/L  | 25.000    |           | 98.1      | 90-110      |        |       |       |
| Fluoride                 | 2.3760 | 0.750     | mg/L  | 2.5000    |           | 95.0      | 90-110      |        |       |       |
| Sulfate                  | 24.578 | 1.00      | mg/L  | 25.000    |           | 98.3      | 90-110      |        |       |       |
| LCS (BGK0089-BS3)        |        |           |       | Prepared: | 11/03/202 | 1 Analyze | d: 11/04/2  | 021    |       |       |
| Chloride                 | 23.532 | 1.00      | mg/L  | 25.000    |           | 94.1      | 90-110      |        |       |       |
| Fluoride                 | 2.2740 | 0.750     | mg/L  | 2.5000    |           | 91.0      | 90-110      |        |       |       |
| Sulfate                  | 23.548 | 1.00      | mg/L  | 25.000    |           | 94.2      | 90-110      |        |       |       |
| Duplicate (BGK0089-DUP1) | Sour   | ce: MGK00 | 16-22 | Prepared: | 11/03/202 | 1 Analyze | ed: 11/04/2 | 021    |       |       |
| Chloride                 | 12.567 | 1.00      | mg/L  |           | 12.555    |           |             | 0.0955 | 20    |       |
| Fluoride                 | <0.750 | 0.750     | mg/L  |           | <0.750    |           |             |        | 20    |       |
| Sulfate                  | 26.057 | 1.00      | mg/L  |           | 26.019    |           |             | 0.146  | 20    |       |
| Duplicate (BGK0089-DUP2) | Sour   | ce: MGK00 | 16-23 | Prepared: | 11/03/202 | 1 Analyze | d: 11/04/2  | 021    |       |       |
| Chloride                 | 22.513 | 1.00      | mg/L  |           | 22.488    |           |             | 0.111  | 20    |       |
| Fluoride                 | <0.750 | 0.750     | mg/L  |           | <0.750    |           |             |        | 20    |       |
| Sulfate                  | 90.341 | 1.00      | mg/L  |           | 90.155    |           |             | 0.206  | 20    |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

| Analyte                         | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|--------|--------------|-------|
| Batch BGK0089 - Wet Prep        |        | <u> </u>           |       |                |                  |            |                |        |              |       |
| Matrix Spike (BGK0089-MS1)      | Sour   | ce: MGK00°         | 16-22 | Prepared:      | 11/03/202        | 21 Analyze | ed: 11/04/2    | 021    |              |       |
| Chloride                        | 44.318 | 1.25               | mg/L  | 31.250         | 12.555           | 102        | 90-110         |        |              |       |
| Fluoride                        | 3.1450 | 0.938              | mg/L  | 3.1250         | <0.938           | 101        | 90-110         |        |              |       |
| Sulfate                         | 58.079 | 1.25               | mg/L  | 31.250         | 26.019           | 103        | 90-110         |        |              |       |
| Matrix Spike (BGK0089-MS2)      | Sour   | ce: MGK00          | 16-23 | Prepared:      | 11/03/202        | 21 Analyze | ed: 11/04/2    | 021    |              |       |
| Chloride                        | 54.025 | 1.25               | mg/L  | 31.250         | 22.488           | 101        | 90-110         |        |              |       |
| Fluoride                        | 3.1238 | 0.938              | mg/L  | 3.1250         | <0.938           | 100        | 90-110         |        |              |       |
| Sulfate                         | 121.31 | 1.25               | mg/L  | 31.250         | 90.155           | 99.7       | 90-110         |        |              |       |
| Matrix Spike Dup (BGK0089-MSD1) | Sour   | ce: MGK00          | 16-22 | Prepared:      | 11/03/202        | 21 Analyze | ed: 11/04/2    | 021    |              |       |
| Chloride                        | 44.059 | 1.25               | mg/L  | 31.250         | 12.555           | 101        | 90-110         | 0.586  | 20           |       |
| Fluoride                        | 3.1113 | 0.938              | mg/L  | 3.1250         | <0.938           | 99.6       | 90-110         | 1.08   | 20           |       |
| Sulfate                         | 57.816 | 1.25               | mg/L  | 31.250         | 26.019           | 102        | 90-110         | 0.453  | 20           |       |
| Matrix Spike Dup (BGK0089-MSD2) | Sour   | ce: MGK00          | 16-23 | Prepared:      | 11/03/202        | 21 Analyze | ed: 11/04/2    | 021    |              |       |
| Chloride                        | 54.206 | 1.25               | mg/L  | 31.250         | 22.488           | 101        | 90-110         | 0.335  | 20           |       |
| Fluoride                        | 3.1463 | 0.938              | mg/L  | 3.1250         | <0.938           | 101        | 90-110         | 0.718  | 20           |       |
| Sulfate                         | 121.39 | 1.25               | mg/L  | 31.250         | 90.155           | 99.9       | 90-110         | 0.0659 | 20           |       |
| Batch BGK0142 - Wet Prep        |        |                    |       |                |                  |            |                |        |              |       |
| Blank (BGK0142-BLK1)            |        |                    |       | Prepared       | & Analyze        | d: 11/05/2 | 2021           |        |              |       |
| Chloride                        | <1.00  | 1.00               | mg/L  |                |                  |            |                |        |              |       |
| Fluoride                        | <0.750 | 0.750              | mg/L  |                |                  |            |                |        |              |       |
| Sulfate                         | <1.00  | 1.00               | mg/L  |                |                  |            |                |        |              |       |
| Blank (BGK0142-BLK2)            |        |                    |       | Prepared       | & Analyze        | d: 11/05/2 | 2021           |        |              |       |
| Chloride                        | <1.00  | 1.00               | mg/L  |                |                  | <u> </u>   |                |        | <u> </u>     |       |
| Fluoride                        | <0.750 | 0.750              | mg/L  |                |                  |            |                |        |              |       |
| Sulfate                         | <1.00  | 1.00               | mg/L  |                |                  |            |                |        |              |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza Reported:

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

| Analyte                    | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|----------------------------|---------|--------------------|-------|----------------|------------------|------------|----------------|--------|--------------|-------|
| Batch BGK0142 - Wet Prep   |         |                    |       |                |                  |            |                |        |              |       |
| LCS (BGK0142-BS1)          |         |                    |       | Prepared       | & Analyze        | d: 11/05/2 | 021            |        |              |       |
| Chloride                   | 24.496  | 1.00               | mg/L  | 25.000         |                  | 98.0       | 90-110         |        |              |       |
| Fluoride                   | 2.3720  | 0.750              | mg/L  | 2.5000         |                  | 94.9       | 90-110         |        |              |       |
| Sulfate                    | 24.509  | 1.00               | mg/L  | 25.000         |                  | 98.0       | 90-110         |        |              |       |
| LCS (BGK0142-BS2)          |         |                    |       | Prepared       | & Analyze        | d: 11/05/2 | 021            |        |              |       |
| Chloride                   | 24.658  | 1.00               | mg/L  | 25.000         |                  | 98.6       | 90-110         |        |              |       |
| Fluoride                   | 2.3930  | 0.750              | mg/L  | 2.5000         |                  | 95.7       | 90-110         |        |              |       |
| Sulfate                    | 24.707  | 1.00               | mg/L  | 25.000         |                  | 98.8       | 90-110         |        |              |       |
| LCS (BGK0142-BS3)          |         |                    |       | Prepared       | & Analyze        | d: 11/05/2 | 021            |        |              |       |
| Chloride                   | 24.673  | 1.00               | mg/L  | 25.000         |                  | 98.7       | 90-110         |        |              |       |
| Fluoride                   | 2.3930  | 0.750              | mg/L  | 2.5000         |                  | 95.7       | 90-110         |        |              |       |
| Sulfate                    | 24.684  | 1.00               | mg/L  | 25.000         |                  | 98.7       | 90-110         |        |              |       |
| Duplicate (BGK0142-DUP1)   | Sou     | ırce: MGK00        | 33-08 | Prepared       | & Analyze        | d: 11/05/2 | 021            |        |              |       |
| Chloride                   | 0.34800 | 1.00               | mg/L  |                | 0.34600          |            |                | 0.576  | 20           |       |
| Fluoride                   | <0.750  | 0.750              | mg/L  |                | <0.750           |            |                |        | 20           |       |
| Sulfate                    | 3.3870  | 1.00               | mg/L  |                | 3.3980           |            |                | 0.324  | 20           |       |
| Duplicate (BGK0142-DUP2)   | Sou     | ırce: MGK00        | 33-09 | Prepared       | & Analyze        | d: 11/05/2 | 021            |        |              |       |
| Chloride                   | 22.770  | 1.00               | mg/L  |                | 22.752           |            |                | 0.0791 | 20           |       |
| Fluoride                   | <0.750  | 0.750              | mg/L  |                | <0.750           |            |                |        | 20           |       |
| Sulfate                    | 29.822  | 1.00               | mg/L  |                | 29.786           |            |                | 0.121  | 20           |       |
| Matrix Spike (BGK0142-MS1) | Sou     | ırce: MGK00        | 33-08 | Prepared       | & Analyze        | d: 11/05/2 | 021            |        |              |       |
| Chloride                   | 30.926  | 1.25               | mg/L  | 31.250         | 0.34600          | 97.9       | 90-110         |        |              |       |
| Fluoride                   | 3.0913  | 0.938              | mg/L  | 3.1250         | <0.938           | 98.9       | 90-110         |        |              |       |
| Sulfate                    | 34.288  | 1.25               | mg/L  | 31.250         | 3.3980           | 98.8       | 90-110         |        |              |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

Project Manager: Eric Ealy

| Analyte                         | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|---------------------------------|---------|--------------------|-------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch BGK0142 - Wet Prep        |         |                    |       |                |                  |            |                |       |              |       |
| Matrix Spike (BGK0142-MS2)      | Sou     | ırce: MGK00        | 33-09 | Prepared       | & Analyze        | d: 11/05/2 | .021           |       |              |       |
| Chloride                        | 54.444  | 1.25               | mg/L  | 31.250         | 22.752           | 101        | 90-110         |       |              |       |
| Fluoride                        | 3.1475  | 0.938              | mg/L  | 3.1250         | <0.938           | 101        | 90-110         |       |              |       |
| Sulfate                         | 61.706  | 1.25               | mg/L  | 31.250         | 29.786           | 102        | 90-110         |       |              |       |
| Matrix Spike Dup (BGK0142-MSD1) | Sou     | ırce: MGK00        | 33-08 | Prepared       | & Analyze        | d: 11/05/2 | .021           |       |              |       |
| Chloride                        | 31.178  | 1.25               | mg/L  | 31.250         | 0.34600          | 98.7       | 90-110         | 0.809 | 20           |       |
| Fluoride                        | 3.1225  | 0.938              | mg/L  | 3.1250         | <0.938           | 99.9       | 90-110         | 1.01  | 20           |       |
| Sulfate                         | 34.545  | 1.25               | mg/L  | 31.250         | 3.3980           | 99.7       | 90-110         | 0.748 | 20           |       |
| Matrix Spike Dup (BGK0142-MSD2) | Sou     | ırce: MGK00        | 33-09 | Prepared       | & Analyze        | d: 11/05/2 | .021           |       |              |       |
| Chloride                        | 53.918  | 1.25               | mg/L  | 31.250         | 22.752           | 99.7       | 90-110         | 0.971 | 20           |       |
| Fluoride                        | 3.0600  | 0.938              | mg/L  | 3.1250         | <0.938           | 97.9       | 90-110         | 2.82  | 20           |       |
| Sulfate                         | 61.215  | 1.25               | mg/L  | 31.250         | 29.786           | 101        | 90-110         | 0.799 | 20           |       |
| Batch BGK0172 - Wet Prep        |         |                    |       |                |                  |            |                |       |              |       |
| Blank (BGK0172-BLK1)            |         |                    |       | Prepared       | & Analyze        | d: 11/08/2 | 2021           |       |              |       |
| Chloride                        | <1.00   | 1.00               | mg/L  |                |                  |            |                |       |              |       |
| Fluoride                        | < 0.750 | 0.750              | mg/L  |                |                  |            |                |       |              |       |
| Sulfate                         | <1.00   | 1.00               | mg/L  |                |                  |            |                |       |              |       |
| LCS (BGK0172-BS1)               |         |                    |       | Prepared       | & Analyze        | d: 11/08/2 | 2021           |       |              |       |
| Chloride                        | 24.347  | 1.00               | mg/L  | 25.000         |                  | 97.4       | 90-110         |       |              |       |
| Fluoride                        | 2.3490  | 0.750              | mg/L  | 2.5000         |                  | 94.0       | 90-110         |       |              |       |
| Sulfate                         | 24.329  | 1.00               | mg/L  | 25.000         |                  | 97.3       | 90-110         |       |              |       |
| LCS (BGK0172-BS2)               |         |                    |       | Prepared       | & Analyze        | d: 11/08/2 | 2021           |       |              |       |
| Chloride                        | 24.466  | 1.00               | mg/L  | 25.000         |                  | 97.9       | 90-110         |       |              |       |
| Fluoride                        | 2.3650  | 0.750              | mg/L  | 2.5000         |                  | 94.6       | 90-110         |       |              |       |
| Sulfate                         | 24.481  | 1.00               | mg/L  | 25.000         |                  | 97.9       | 90-110         |       |              |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

|                                 |        | Reporting  |       | Spike    | Source    |            | %REC   |        | RPD   |       |
|---------------------------------|--------|------------|-------|----------|-----------|------------|--------|--------|-------|-------|
| Analyte                         | Result | Limit      | Units | Level    | Result    | %REC       | Limits | RPD    | Limit | Notes |
| Batch BGK0172 - Wet Prep        |        |            |       |          |           |            |        |        |       |       |
| Duplicate (BGK0172-DUP1)        | Sour   | ce: MGK003 | 33-20 | Prepared | & Analyze | d: 11/08/2 | 021    |        |       |       |
| Chloride                        | 2.0720 | 1.00       | mg/L  |          | 2.0750    |            |        | 0.145  | 20    |       |
| Fluoride                        | <0.750 | 0.750      | mg/L  |          | <0.750    |            |        |        | 20    |       |
| Sulfate                         | 28.118 | 1.00       | mg/L  |          | 28.136    |            |        | 0.0640 | 20    |       |
| Matrix Spike (BGK0172-MS1)      | Sour   | ce: MGK003 | 33-20 | Prepared | & Analyze | d: 11/08/2 | 021    |        |       |       |
| Chloride                        | 33.515 | 1.25       | mg/L  | 31.250   | 2.0750    | 101        | 90-110 |        |       |       |
| Fluoride                        | 3.1338 | 0.938      | mg/L  | 3.1250   | <0.938    | 100        | 90-110 |        |       |       |
| Sulfate                         | 60.000 | 1.25       | mg/L  | 31.250   | 28.136    | 102        | 90-110 |        |       |       |
| Matrix Spike Dup (BGK0172-MSD1) | Sour   | ce: MGK003 | 33-20 | Prepared | & Analyze | d: 11/08/2 | 021    |        |       |       |
| Chloride                        | 33.269 | 1.25       | mg/L  | 31.250   | 2.0750    | 99.8       | 90-110 | 0.737  | 20    |       |
| Fluoride                        | 3.1063 | 0.938      | mg/L  | 3.1250   | <0.938    | 99.4       | 90-110 | 0.881  | 20    |       |
| Sulfate                         | 59.785 | 1.25       | mg/L  | 31.250   | 28.136    | 101        | 90-110 | 0.359  | 20    |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

| Analyte                  | Result | Reporting<br>Limit | Units    | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD   | RPD<br>Limit | Notes  |
|--------------------------|--------|--------------------|----------|----------------|------------------|------------|----------------|-------|--------------|--------|
| Batch BGK0079 - Wet Prep |        |                    |          |                |                  |            |                |       |              |        |
| LCS (BGK0079-BS1)        |        |                    |          | Prepared       | & Analyze        | d: 11/03/2 | 021            |       |              |        |
| pH                       | 7.0900 |                    | pH Units | 7.0000         |                  | 101        | 90-110         |       |              |        |
| LCS (BGK0079-BS2)        |        |                    |          | Prepared       | & Analyze        | d: 11/03/2 | 021            |       |              |        |
| pH                       | 7.1000 |                    | pH Units | 7.0000         |                  | 101        | 90-110         |       |              |        |
| Duplicate (BGK0079-DUP1) | Source | e: MGK00           | 16-01    | Prepared       | & Analyze        | d: 11/03/2 | 021            |       |              |        |
| pH                       | 7.3700 |                    | pH Units | •              | 7.4100           |            |                | 0.541 | 20           |        |
| Duplicate (BGK0079-DUP2) | Source | e: MGK00           | 16-11    | Prepared       | & Analyze        | d: 11/03/2 | 021            |       |              |        |
| pH                       | 7.5400 |                    | pH Units | •              | 7.5400           |            |                | 0.00  | 20           |        |
| Duplicate (BGK0079-DUP3) | Source | e: MGK00           | 16-21    | Prepared       | & Analyze        | d: 11/03/2 | 021            |       |              |        |
| pH                       | 7.6800 |                    | pH Units |                | 7.6700           |            |                | 0.130 | 20           |        |
| Duplicate (BGK0079-DUP4) | Source | e: MGK00           | 16-31    | Prepared       | & Analyze        | d: 11/03/2 | 021            |       |              |        |
| pH                       | 7.7900 |                    | pH Units | -              | 7.7800           |            |                | 0.128 | 20           |        |
| Batch BGK0081 - Wet Prep |        |                    |          |                |                  |            |                |       |              |        |
| Blank (BGK0081-BLK1)     |        |                    |          | Prepared       | & Analyze        | d: 11/04/2 | 021            |       |              |        |
| Total Suspended Solids   | <5.00  | 5.00               | mg/L     | •              | •                |            |                |       |              |        |
| LCS (BGK0081-BS1)        |        |                    |          | Prepared       | & Analyze        | d: 11/04/2 | 021            |       |              |        |
| Total Suspended Solids   | 92.000 | 5.00               | mg/L     | 101.00         | -                | 91.1       | 70-130         |       |              |        |
| Duplicate (BGK0081-DUP1) | Source | e: MGK00           | 16-02    | Prepared       | & Analyze        | d: 11/04/2 | 021            |       |              |        |
| Total Suspended Solids   | <12.5  | 12.5               | mg/L     |                | 0.80000          |            |                |       | 20           | M K-06 |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

|        | Reporting                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Spike                  | Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    | %REC                                           |                                                         | RPD                             |                                 |
|--------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------|---------------------------------------------------------|---------------------------------|---------------------------------|
| Result | Limit                                                    | Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Level                  | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | %REC               | Limits                                         | RPD                                                     | Limit                           | Notes                           |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                |                                                         |                                 |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/04/2         | 021                                            |                                                         |                                 |                                 |
| <25.0  | 25.0                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                |                                                         |                                 |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/04/2         | 021                                            |                                                         |                                 |                                 |
| 94.000 | 25.0                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100.80                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 93.3               | 70-130                                         |                                                         |                                 |                                 |
| Sour   | ce: MGK00                                                | 16-02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/04/2         | 021                                            |                                                         |                                 |                                 |
| 1174.0 | 25.0                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        | 1194.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                                                | 1.69                                                    | 20                              |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                |                                                         |                                 |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/05/2         | 021                                            |                                                         |                                 |                                 |
| <5.00  | 5.00                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                |                                                         |                                 |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/05/2         | 021                                            |                                                         |                                 |                                 |
| 96.000 | 5.00                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 101.00                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 95.0               | 70-130                                         |                                                         |                                 |                                 |
| Sour   | ce: MGK00                                                | 16-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/05/2         | 021                                            |                                                         |                                 |                                 |
| 313.33 | 16.7                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        | 313.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                                                | 0.00                                                    | 20                              |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                |                                                         |                                 |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/05/2         | 021                                            |                                                         |                                 |                                 |
| <25.0  | 25.0                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                |                                                         |                                 |                                 |
|        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prepared               | & Analyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | d: 11/05/2         | 021                                            |                                                         |                                 |                                 |
| 104.00 | 25.0                                                     | mg/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100.80                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 103                | 70-130                                         |                                                         |                                 |                                 |
|        | <25.0  94.000  Sour  1174.0  <5.00  96.000  Sour  313.33 | Color   Colo | Result   Limit   Units | Prepared   Prepared | Prepared & Analyze | Result   Limit   Units   Level   Result   %REC | Result   Limit   Units   Level   Result   %REC   Limits | Prepared & Analyzed: 11/04/2021 | Prepared & Analyzed: 11/04/2021 |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

|                          |        | Reporting   |          | Spike    | Source    |            | %REC   |       | RPD   |                   |
|--------------------------|--------|-------------|----------|----------|-----------|------------|--------|-------|-------|-------------------|
| Analyte                  | Result | Limit       | Units    | Level    | Result    | %REC       | Limits | RPD   | Limit | Notes             |
| Batch BGK0107 - Wet Prep |        |             |          |          |           |            |        |       |       |                   |
| Duplicate (BGK0107-DUP1) | Soi    | urce: MGK00 | 16-12    | Prepared | & Analyze | d: 11/05/2 | 021    |       |       |                   |
| Total Dissolved Solids   | 598.00 | 25.0        | mg/L     |          | 602.00    |            |        | 0.667 | 20    |                   |
| Batch BGK0133 - Wet Prep |        |             |          |          |           |            |        |       |       |                   |
| Blank (BGK0133-BLK1)     |        |             |          | Prepared | & Analyze | d: 11/06/2 | 021    |       |       |                   |
| Total Suspended Solids   | <5.00  | 5.00        | mg/L     |          |           |            |        |       |       |                   |
| LCS (BGK0133-BS1)        |        |             |          | Prepared | & Analyze | d: 11/06/2 | 021    |       |       |                   |
| Total Suspended Solids   | 96.000 | 5.00        | mg/L     | 101.00   |           | 95.0       | 70-130 |       |       |                   |
| Duplicate (BGK0133-DUP1) | Sou    | ırce: MGK00 | 16-22    | Prepared | & Analyze | d: 11/06/2 | 021    |       |       |                   |
| Total Suspended Solids   | 4.5000 | 12.5        | mg/L     |          | 3.6000    |            |        | 22.2  | 20    | M_D-RL,<br>M_K-06 |
| Batch BGK0134 - Wet Prep |        |             |          |          |           |            |        |       |       |                   |
| Blank (BGK0134-BLK1)     |        |             |          | Prepared | & Analyze | d: 11/06/2 | 021    |       |       |                   |
| Total Dissolved Solids   | <25.0  | 25.0        | mg/L     |          |           |            |        |       |       |                   |
| LCS (BGK0134-BS1)        |        |             |          | Prepared | & Analyze | d: 11/06/2 | 021    |       |       |                   |
| Total Dissolved Solids   | 106.00 | 25.0        | mg/L     | 100.80   |           | 105        | 70-130 |       |       |                   |
| Duplicate (BGK0134-DUP1) | Sou    | urce: MGK00 | 16-22    | Prepared | & Analyze | d: 11/06/2 | 021    |       |       |                   |
| Total Dissolved Solids   | 304.00 | 25.0        | mg/L     |          | 306.00    |            |        | 0.656 | 20    |                   |
| Batch BGK0141 - Wet Prep |        |             |          |          |           |            |        |       |       |                   |
| LCS (BGK0141-BS1)        |        |             |          | Prepared | & Analyze | d: 11/05/2 | 021    |       |       |                   |
| pH                       | 7.0900 |             | pH Units | 7.0000   |           | 101        | 90-110 |       |       |                   |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

| Analyte                  | Result | Reporting<br>Limit | Units    | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD   | RPD<br>Limit | Notes             |
|--------------------------|--------|--------------------|----------|----------------|------------------|-------------|----------------|-------|--------------|-------------------|
| Analyte                  | Result | LIIIII             | Ullis    | Level          | Result           | 70NEC       | LIIIIIIS       | KFD   | LIIIIII      | Notes             |
| Batch BGK0141 - Wet Prep |        |                    |          |                |                  |             |                |       |              |                   |
| LCS (BGK0141-BS2)        |        |                    |          | Prepared       | & Analyze        | ed: 11/05/2 | 021            |       |              |                   |
| pH                       | 7.1000 |                    | pH Units | 7.0000         |                  | 101         | 90-110         |       |              |                   |
| Duplicate (BGK0141-DUP1) | Sou    | rce: MGK00         | 33-01    | Prepared       | & Analyze        | ed: 11/05/2 | 021            |       |              |                   |
| pH                       | 7.5000 |                    | pH Units |                | 7.5600           |             |                | 0.797 | 20           |                   |
| Duplicate (BGK0141-DUP2) | Sou    | rce: MGK00         | 33-11    | Prepared       | & Analyze        | ed: 11/05/2 | 021            |       |              |                   |
| pH                       | 7.8200 |                    | pH Units |                | 7.8200           |             |                | 0.00  | 20           |                   |
| Duplicate (BGK0141-DUP3) | Sou    | rce: MGK00         | 33-21    | Prepared       | & Analyze        | ed: 11/05/2 | 021            |       |              |                   |
| pH                       | 7.6600 |                    | pH Units |                | 7.6700           |             |                | 0.130 | 20           |                   |
| Batch BGK0159 - Wet Prep |        |                    |          |                |                  |             |                |       |              |                   |
| Blank (BGK0159-BLK1)     |        |                    |          | Prepared       | & Analyze        | ed: 11/07/2 | 021            |       |              |                   |
| Total Suspended Solids   | <5.00  | 5.00               | mg/L     |                |                  |             |                |       |              |                   |
| LCS (BGK0159-BS1)        |        |                    |          | Prepared       | & Analyze        | ed: 11/07/2 | 021            |       |              |                   |
| Total Suspended Solids   | 100.00 | 5.00               | mg/L     | 101.00         |                  | 99.0        | 70-130         |       |              |                   |
| Duplicate (BGK0159-DUP1) | Sou    | rce: MGK00         | 16-31    | Prepared       | & Analyze        | ed: 11/07/2 | 021            |       |              |                   |
| Total Suspended Solids   | 2.5000 | 12.5               | mg/L     | -              | 1.8000           |             |                | 32.6  | 20           | M_D-RL,<br>M_K-06 |
| Batch BGK0160 - Wet Prep |        |                    |          |                |                  |             |                |       |              |                   |
| Blank (BGK0160-BLK1)     |        |                    |          | Prepared       | & Analyze        | ed: 11/07/2 | 021            |       |              |                   |
| Total Dissolved Solids   | <25.0  | 25.0               | mg/L     | -              | -                |             |                |       |              |                   |
|                          |        |                    |          |                |                  |             |                |       |              |                   |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Manager: Eric Ealy

|                          |        | Reporting |       | Spike    | Source    |            | %REC   |       | RPD   |        |
|--------------------------|--------|-----------|-------|----------|-----------|------------|--------|-------|-------|--------|
| Analyte                  | Result | Limit     | Units | Level    | Result    | %REC       | Limits | RPD   | Limit | Notes  |
| Batch BGK0160 - Wet Prep |        |           |       |          |           |            |        |       |       |        |
| LCS (BGK0160-BS1)        |        |           |       | Prepared | & Analyze | d: 11/07/2 | 021    |       |       |        |
| Total Dissolved Solids   | 90.000 | 25.0      | mg/L  | 100.80   |           | 89.3       | 70-130 |       |       |        |
| Duplicate (BGK0160-DUP1) | Sour   | ce: MGK00 | 16-31 | Prepared | & Analyze | d: 11/07/2 | 021    |       |       |        |
| Total Dissolved Solids   | 292.00 | 25.0      | mg/L  |          | 288.00    |            |        | 1.38  | 20    |        |
| Batch BGK0168 - Wet Prep |        |           |       |          |           |            |        |       |       |        |
| Blank (BGK0168-BLK1)     |        |           |       | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Suspended Solids   | <5.00  | 5.00      | mg/L  |          |           |            |        |       |       |        |
| LCS (BGK0168-BS1)        |        |           |       | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Suspended Solids   | 96.000 | 5.00      | mg/L  | 102.60   |           | 93.6       | 70-130 |       |       |        |
| Duplicate (BGK0168-DUP1) | Sour   | ce: MGK00 | 33-01 | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Suspended Solids   | 6.0000 | 12.5      | mg/L  |          | 8.6000    |            |        | 35.6  | 20    | M_K-06 |
| Duplicate (BGK0168-DUP2) | Sour   | ce: MGK00 | 33-02 | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Suspended Solids   | 12.500 | 12.5      | mg/L  |          | 12.400    |            |        | 0.803 | 20    |        |
| Batch BGK0169 - Wet Prep |        |           |       |          |           |            |        |       |       |        |
| Blank (BGK0169-BLK1)     |        |           |       | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Dissolved Solids   | <25.0  | 25.0      | mg/L  |          |           |            |        |       |       |        |
| LCS (BGK0169-BS1)        |        |           |       | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Dissolved Solids   | 100.00 | 25.0      | mg/L  | 102.20   |           | 97.8       | 70-130 |       |       |        |
|                          |        |           |       |          |           |            |        |       |       |        |



| Environmental Services-Water Minneapolis | Project Name/Location: Sherco Pond 3 CCR |                  |
|------------------------------------------|------------------------------------------|------------------|
| 250 Marquette Plaza                      |                                          | Reported:        |
| Minneapolis MN, 55401                    | Project Manager: Eric Ealy               | 12/03/2021 09:48 |

|                          |        | Reporting  |       | Spike    | Source    |            | %REC   |       | RPD   |        |
|--------------------------|--------|------------|-------|----------|-----------|------------|--------|-------|-------|--------|
| Analyte                  | Result | Limit      | Units | Level    | Result    | %REC       | Limits | RPD   | Limit | Notes  |
| Batch BGK0169 - Wet Prep |        |            |       |          |           |            |        |       |       |        |
| Duplicate (BGK0169-DUP1) | Sou    | rce: MGK00 | 33-01 | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Dissolved Solids   | 636.00 | 25.0       | mg/L  |          | 632.00    |            |        | 0.631 | 20    |        |
| Duplicate (BGK0169-DUP2) | Sou    | rce: MGK00 | 33-02 | Prepared | & Analyze | d: 11/08/2 | 021    |       |       |        |
| Total Dissolved Solids   | 560.00 | 25.0       | mg/L  |          | 556.00    |            |        | 0.717 | 20    |        |
| Batch BGK0173 - Wet Prep |        |            |       |          |           |            |        |       |       |        |
| Blank (BGK0173-BLK1)     |        |            |       | Prepared | & Analyze | d: 11/09/2 | 021    |       |       |        |
| Total Suspended Solids   | <5.00  | 5.00       | mg/L  |          |           |            |        |       |       |        |
| LCS (BGK0173-BS1)        |        |            |       | Prepared | & Analyze | d: 11/09/2 | 021    |       |       |        |
| Total Suspended Solids   | 92.000 | 5.00       | mg/L  | 102.60   |           | 89.7       | 70-130 |       |       |        |
| Duplicate (BGK0173-DUP1) | Sou    | rce: MGK00 | 33-13 | Prepared | & Analyze | d: 11/09/2 | 021    |       |       |        |
| Total Suspended Solids   | <12.5  | 12.5       | mg/L  |          | <12.5     |            |        |       | 20    | M_K-06 |
| Duplicate (BGK0173-DUP2) | Sou    | rce: MGK00 | 33-14 | Prepared | & Analyze | d: 11/09/2 | 021    |       |       |        |
| Total Suspended Solids   | 16.000 | 12.5       | mg/L  |          | 14.600    |            |        | 9.15  | 20    |        |
| Batch BGK0174 - Wet Prep |        |            |       |          |           |            |        |       |       |        |
| Blank (BGK0174-BLK1)     |        |            |       | Prepared | & Analyze | d: 11/09/2 | 021    |       |       |        |
| Total Dissolved Solids   | <25.0  | 25.0       | mg/L  |          |           |            |        |       |       |        |
| LCS (BGK0174-BS1)        |        |            |       | Prepared | & Analyze | d: 11/09/2 | 021    |       |       |        |
| Total Dissolved Solids   | 110.00 | 25.0       | mg/L  | 102.20   |           | 108        | 70-130 |       |       |        |



| Environmental Services-Water Minneapolis | Project Name/Location: Sherco Pond 3 CCR |                  |
|------------------------------------------|------------------------------------------|------------------|
| 250 Marquette Plaza                      |                                          | Reported:        |
| Minneapolis MN, 55401                    | Project Manager: Eric Ealy               | 12/03/2021 09:48 |

| Analyte                  | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC        | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|--------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Batch BGK0174 - Wet Prep |        |                    |       |                |                  |             |                |      |              |       |
| Duplicate (BGK0174-DUP1) | Source | e: MGK003          | 3-13  | Prepared       | & Analyze        | d: 11/09/20 | 021            |      |              |       |
| Total Dissolved Solids   | 250.00 | 25.0               | mg/L  |                | 246.00           |             |                | 1.61 | 20           |       |
| Duplicate (BGK0174-DUP2) | Source | ce: MGK003         | 3-14  | Prepared       | & Analyze        | d: 11/09/20 | 021            |      |              |       |
| Total Dissolved Solids   | 550.00 | 25.0               | mg/L  |                | 560.00           |             |                | 1.80 | 20           |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

#### **Total Metals by ICPMS - Quality Control**

|                                     |         | Reporting    |       | Spike     | Source    |           | %REC        |       | RPD   |        |
|-------------------------------------|---------|--------------|-------|-----------|-----------|-----------|-------------|-------|-------|--------|
| Analyte                             | Result  | Limit        | Units | Level     | Result    | %REC      | Limits      | RPD   | Limit | Notes  |
| Batch BGK0136 - EPA 200.2, EPA 3005 |         |              |       |           |           |           |             |       |       |        |
| Blank (BGK0136-BLK1)                |         |              |       | Prepared: | 11/05/202 | 1 Analyze | d: 11/09/20 | )21   |       |        |
| Barium                              | <0.500  | 0.500        | ug/L  |           |           |           |             |       |       |        |
| Selenium                            | <0.500  | 0.500        | ug/L  |           |           |           |             |       |       |        |
| Chromium                            | <0.500  | 0.500        | ug/L  |           |           |           |             |       |       |        |
| Arsenic                             | <0.500  | 0.500        | ug/L  |           |           |           |             |       |       |        |
| Molybdenum                          | <0.500  | 0.500        | ug/L  |           |           |           |             |       |       |        |
| _CS (BGK0136-BS1)                   |         |              |       | Prepared: | 11/05/202 | 1 Analyze | d: 11/09/20 | )21   |       |        |
| Chromium                            | 104.90  | 0.500        | ug/L  | 100.00    |           | 105       | 85-115      |       |       |        |
| Arsenic                             | 100.85  | 0.500        | ug/L  | 100.00    |           | 101       | 85-115      |       |       |        |
| Selenium                            | 96.807  | 0.500        | ug/L  | 100.00    |           | 96.8      | 85-115      |       |       |        |
| Barium                              | 99.674  | 0.500        | ug/L  | 100.00    |           | 99.7      | 85-115      |       |       |        |
| Molybdenum                          | 100.68  | 0.500        | ug/L  | 100.00    |           | 101       | 85-115      |       |       |        |
| Duplicate (BGK0136-DUP1)            | So      | urce: MGK001 | 16-05 | Prepared: | 11/05/202 | 1 Analyze | d: 11/09/20 | )21   |       |        |
| Molybdenum                          | 0.24905 | 0.500        | ug/L  |           | 0.18936   |           |             | 27.2  | 20    | M_D-RL |
| Selenium                            | 0.62158 | 0.500        | ug/L  |           | 0.71833   |           |             | 14.4  | 20    |        |
| Arsenic                             | 0.54385 | 0.500        | ug/L  |           | 0.61758   |           |             | 12.7  | 20    |        |
| Barium                              | 61.602  | 0.500        | ug/L  |           | 59.332    |           |             | 3.75  | 20    |        |
| Chromium                            | 1.2945  | 0.500        | ug/L  |           | 1.3546    |           |             | 4.54  | 20    |        |
| Duplicate (BGK0136-DUP2)            | So      | urce: MGK001 | 16-27 | Prepared: | 11/05/202 | 1 Analyze | d: 11/09/20 | )21   |       |        |
| Arsenic                             | 0.40184 | 0.500        | ug/L  |           | 0.44639   |           |             | 10.5  | 20    |        |
| Barium                              | 52.156  | 0.500        | ug/L  |           | 56.303    |           |             | 7.65  | 20    |        |
| Chromium                            | 1.4399  | 0.500        | ug/L  |           | 1.4521    |           |             | 0.846 | 20    |        |
| Molybdenum                          | 0.15251 | 0.500        | ug/L  |           | 0.16545   |           |             | 8.14  | 20    |        |
| Selenium                            | 3.6621  | 0.500        | ug/L  |           | 3.7629    |           |             | 2.72  | 20    |        |
| Matrix Spike (BGK0136-MS1)          | So      | urce: MGK001 | 16-05 | Prepared: | 11/05/202 | 1 Analyze | d: 11/09/20 | )21   |       |        |
| Arsenic                             | 106.59  | 0.500        | ug/L  | 100.00    | 0.61758   | 106       | 75-125      |       |       |        |
| Chromium                            | 108.53  | 0.500        | ug/L  | 100.00    | 1.3546    | 107       | 75-125      |       |       |        |
| Barium                              | 164.74  | 0.500        | ug/L  | 100.00    | 59.332    | 105       | 75-125      |       |       |        |
| 0 1 .                               | 105.85  | 0.500        | ug/L  | 100.00    | 0.71833   | 105       | 75-125      |       |       |        |
| Selenium                            | 105.65  | 0.000        | ug/L  | 100.00    | 0.7 1000  | 100       | .0 .20      |       |       |        |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Name/Location: Sherco Pond 3 CCR

Reported:

12/03/2021 09:48

#### **Total Metals by ICPMS - Quality Control**

| Analyte                             | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC       | %REC<br>Limits | RPD    | RPD<br>Limit | Notes |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|--------|--------------|-------|
| Batch BGK0136 - EPA 200.2, EPA 3005 |        |                    |       |                |                  |            |                |        |              |       |
| Matrix Spike (BGK0136-MS2)          | So     | urce: MGK00        | 16-27 | Prepared:      | 11/05/202        | 21 Analyze | ed: 11/09/2    | 021    |              |       |
| Molybdenum                          | 105.14 | 0.500              | ug/L  | 100.00         | 0.16545          | 105        | 75-125         |        |              |       |
| Arsenic                             | 106.83 | 0.500              | ug/L  | 100.00         | 0.44639          | 106        | 75-125         |        |              |       |
| Barium                              | 155.75 | 0.500              | ug/L  | 100.00         | 56.303           | 99.5       | 75-125         |        |              |       |
| Selenium                            | 111.29 | 0.500              | ug/L  | 100.00         | 3.7629           | 108        | 75-125         |        |              |       |
| Chromium                            | 110.27 | 0.500              | ug/L  | 100.00         | 1.4521           | 109        | 75-125         |        |              |       |
| Matrix Spike Dup (BGK0136-MSD1)     | So     | urce: MGK00        | 16-05 | Prepared:      | 11/05/202        | 1 Analyze  | ed: 11/09/2    | 021    |              |       |
| Chromium                            | 106.73 | 0.500              | ug/L  | 100.00         | 1.3546           | 105        | 75-125         | 1.67   | 20           |       |
| Barium                              | 168.49 | 0.500              | ug/L  | 100.00         | 59.332           | 109        | 75-125         | 2.25   | 20           |       |
| Arsenic                             | 106.38 | 0.500              | ug/L  | 100.00         | 0.61758          | 106        | 75-125         | 0.195  | 20           |       |
| Molybdenum                          | 106.64 | 0.500              | ug/L  | 100.00         | 0.18936          | 106        | 75-125         | 4.40   | 20           |       |
| Selenium                            | 108.11 | 0.500              | ug/L  | 100.00         | 0.71833          | 107        | 75-125         | 2.11   | 20           |       |
| Matrix Spike Dup (BGK0136-MSD2)     | So     | urce: MGK00        | 16-27 | Prepared:      | 11/05/202        | 1 Analyze  | ed: 11/09/2    | 021    |              |       |
| Barium                              | 162.00 | 0.500              | ug/L  | 100.00         | 56.303           | 106        | 75-125         | 3.93   | 20           |       |
| Arsenic                             | 106.92 | 0.500              | ug/L  | 100.00         | 0.44639          | 106        | 75-125         | 0.0811 | 20           |       |
| Selenium                            | 114.97 | 0.500              | ug/L  | 100.00         | 3.7629           | 111        | 75-125         | 3.25   | 20           |       |
| Molybdenum                          | 108.84 | 0.500              | ug/L  | 100.00         | 0.16545          | 109        | 75-125         | 3.46   | 20           |       |
| Chromium                            | 106.58 | 0.500              | ug/L  | 100.00         | 1.4521           | 105        | 75-125         | 3.40   | 20           |       |
| Batch BGK0163 - EPA 200.2, EPA 3005 |        |                    |       |                |                  |            |                |        |              |       |
| Blank (BGK0163-BLK1)                |        |                    |       | Prepared:      | 11/06/202        | 21 Analyze | ed: 11/09/2    | 021    |              |       |
| Barium                              | <0.500 | 0.500              | ug/L  |                |                  |            |                |        |              |       |
| Arsenic                             | <0.500 | 0.500              | ug/L  |                |                  |            |                |        |              |       |
| Chromium                            | <0.500 | 0.500              | ug/L  |                |                  |            |                |        |              |       |
| Molybdenum                          | <0.500 | 0.500              | ug/L  |                |                  |            |                |        |              |       |
| Selenium                            | <0.500 | 0.500              | ug/L  |                |                  |            |                |        |              |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR 250 Marquette Plaza Reported: Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

#### **Total Metals by ICPMS - Quality Control**

| Analyte                             | Result  | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC      | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|-------------------------------------|---------|--------------------|-------|----------------|------------------|-----------|----------------|-------|--------------|-------|
| Batch BGK0163 - EPA 200.2, EPA 3005 |         |                    |       |                |                  |           |                |       |              |       |
| LCS (BGK0163-BS1)                   |         |                    |       | Prepared:      | 11/06/202        | 1 Analyze | ed: 11/09/20   | 021   |              |       |
| Arsenic                             | 100.06  | 0.500              | ug/L  | 100.00         |                  | 100       | 85-115         |       |              |       |
| Chromium                            | 103.68  | 0.500              | ug/L  | 100.00         |                  | 104       | 85-115         |       |              |       |
| Molybdenum                          | 100.48  | 0.500              | ug/L  | 100.00         |                  | 100       | 85-115         |       |              |       |
| Selenium                            | 100.34  | 0.500              | ug/L  | 100.00         |                  | 100       | 85-115         |       |              |       |
| Barium                              | 99.709  | 0.500              | ug/L  | 100.00         |                  | 99.7      | 85-115         |       |              |       |
| Duplicate (BGK0163-DUP1)            | So      | urce: MGK00        | 33-15 | Prepared:      | 11/06/202        | 1 Analyze | ed: 11/09/20   | 021   |              |       |
| Arsenic                             | 0.58809 | 0.500              | ug/L  |                | 0.57158          |           |                | 2.85  | 20           |       |
| Molybdenum                          | 0.86397 | 0.500              | ug/L  |                | 0.77262          |           |                | 11.2  | 20           |       |
| Chromium                            | 9.2204  | 0.500              | ug/L  |                | 7.8323           |           |                | 16.3  | 20           |       |
| Barium                              | 33.414  | 0.500              | ug/L  |                | 32.949           |           |                | 1.40  | 20           |       |
| Selenium                            | 5.7895  | 0.500              | ug/L  |                | 5.6235           |           |                | 2.91  | 20           |       |
| Matrix Spike (BGK0163-MS1)          | So      | urce: MGK00        | 33-15 | Prepared:      | 11/06/202        | 1 Analyze | ed: 11/09/20   | 021   |              |       |
| Barium                              | 134.74  | 0.500              | ug/L  | 100.00         | 32.949           | 102       | 75-125         |       |              |       |
| Selenium                            | 111.07  | 0.500              | ug/L  | 100.00         | 5.6235           | 105       | 75-125         |       |              |       |
| Molybdenum                          | 101.78  | 0.500              | ug/L  | 100.00         | 0.77262          | 101       | 75-125         |       |              |       |
| Arsenic                             | 104.26  | 0.500              | ug/L  | 100.00         | 0.57158          | 104       | 75-125         |       |              |       |
| Chromium                            | 121.27  | 0.500              | ug/L  | 100.00         | 7.8323           | 113       | 75-125         |       |              |       |
| Matrix Spike Dup (BGK0163-MSD1)     | So      | urce: MGK00        | 33-15 | Prepared:      | 11/06/202        | 1 Analyze | ed: 11/09/20   | 021   |              |       |
| Selenium                            | 107.68  | 0.500              | ug/L  | 100.00         | 5.6235           | 102       | 75-125         | 3.10  | 20           |       |
| Molybdenum                          | 102.83  | 0.500              | ug/L  | 100.00         | 0.77262          | 102       | 75-125         | 1.02  | 20           |       |
| Chromium                            | 110.41  | 0.500              | ug/L  | 100.00         | 7.8323           | 103       | 75-125         | 9.37  | 20           |       |
| Barium                              | 135.16  | 0.500              | ug/L  | 100.00         | 32.949           | 102       | 75-125         | 0.304 | 20           |       |
| Arsenic                             | 103.39  | 0.500              | ug/L  | 100.00         | 0.57158          | 103       | 75-125         | 0.840 | 20           |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

#### **Total Metals by ICP - Quality Control**

|                                   |          | Reporting   |       | Spike     | Source    |           | %REC         |       | RPD   |       |
|-----------------------------------|----------|-------------|-------|-----------|-----------|-----------|--------------|-------|-------|-------|
| Analyte                           | Result   | Limit       | Units | Level     | Result    | %REC      | Limits       | RPD   | Limit | Notes |
| Batch BGK0135 - EPA 200.2, EPA 30 | 05       |             |       |           |           |           |              |       |       |       |
| Blank (BGK0135-BLK1)              |          |             |       | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Calcium                           | <1.50    | 1.50        | mg/L  |           |           |           |              |       |       |       |
| Boron                             | <0.0500  | 0.0500      | mg/L  |           |           |           |              |       |       |       |
| LCS (BGK0135-BS1)                 |          |             |       | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Boron                             | 0.93498  | 0.0500      | mg/L  | 1.0000    |           | 93.5      | 85-115       |       |       |       |
| Calcium                           | 96.865   | 1.50        | mg/L  | 100.00    |           | 96.9      | 85-115       |       |       |       |
| Duplicate (BGK0135-DUP1)          | Sou      | rce: MGK001 | 16-03 | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Boron                             | 0.042945 | 0.0500      | mg/L  |           | 0.048149  |           |              | 11.4  | 20    |       |
| Calcium                           | 64.547   | 1.50        | mg/L  |           | 64.030    |           |              | 0.804 | 20    |       |
| Duplicate (BGK0135-DUP2)          | Sou      | rce: MGK001 | 16-04 | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Boron                             | 0.72949  | 0.0500      | mg/L  |           | 0.75939   |           |              | 4.02  | 20    |       |
| Calcium                           | 86.849   | 1.50        | mg/L  |           | 86.069    |           |              | 0.903 | 20    |       |
| Matrix Spike (BGK0135-MS1)        | Sou      | rce: MGK001 | 16-03 | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Calcium                           | 163.82   | 1.50        | mg/L  | 100.00    | 64.030    | 99.8      | 70-130       |       |       |       |
| Boron                             | 0.99431  | 0.0500      | mg/L  | 1.0000    | 0.048149  | 94.6      | 70-130       |       |       |       |
| Matrix Spike (BGK0135-MS2)        | Sou      | rce: MGK001 | 16-04 | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Calcium                           | 190.02   | 1.50        | mg/L  | 100.00    | 86.069    | 104       | 70-130       |       |       |       |
| Boron                             | 1.6833   | 0.0500      | mg/L  | 1.0000    | 0.75939   | 92.4      | 70-130       |       |       |       |
| Matrix Spike Dup (BGK0135-MSD1)   | Sou      | rce: MGK001 | 16-03 | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Calcium                           | 160.07   | 1.50        | mg/L  | 100.00    | 64.030    | 96.0      | 70-130       | 2.32  | 20    |       |
| Boron                             | 0.97416  | 0.0500      | mg/L  | 1.0000    | 0.048149  | 92.6      | 70-130       | 2.05  | 20    |       |
| Matrix Spike Dup (BGK0135-MSD2)   | Sou      | rce: MGK001 | 16-04 | Prepared: | 11/05/202 | 1 Analyze | ed: 11/08/20 | 021   |       |       |
| Calcium                           | 187.03   | 1.50        | mg/L  | 100.00    | 86.069    | 101       | 70-130       | 1.59  | 20    |       |
| Boron                             | 1.6886   | 0.0500      | mg/L  | 1.0000    | 0.75939   | 92.9      | 70-130       | 0.311 | 20    |       |



Environmental Services-Water Minneapolis Project Name/Location: Sherco Pond 3 CCR

250 Marquette Plaza

Minneapolis MN, 55401 Project Manager: Eric Ealy 12/03/2021 09:48

#### **Total Metals by ICP - Quality Control**

|                                     |         | Reporting   |       | Spike    | Source      |            | %REC        |       | RPD   |       |
|-------------------------------------|---------|-------------|-------|----------|-------------|------------|-------------|-------|-------|-------|
| Analyte                             | Result  | Limit       | Units | Level    | Result      | %REC       | Limits      | RPD   | Limit | Notes |
| Batch BGK0162 - EPA 200.2, EPA 3005 |         |             |       |          |             |            |             |       |       |       |
| Blank (BGK0162-BLK1)                |         |             |       | Prepared | : 11/06/202 | 1 Analyze  | ed: 11/08/2 | 021   |       |       |
| Boron                               | <0.0500 | 0.0500      | mg/L  |          |             |            |             |       |       |       |
| Calcium                             | <1.50   | 1.50        | mg/L  |          |             |            |             |       |       |       |
| LCS (BGK0162-BS1)                   |         |             |       | Prepared | : 11/06/202 | 21 Analyze | ed: 11/08/2 | 021   |       |       |
| Boron                               | 0.89721 | 0.0500      | mg/L  | 1.0000   |             | 89.7       | 85-115      |       |       |       |
| Calcium                             | 93.896  | 1.50        | mg/L  | 100.00   |             | 93.9       | 85-115      |       |       |       |
| Duplicate (BGK0162-DUP1)            | Sou     | rce: MGK003 | 33-14 | Prepared | : 11/06/202 | 1 Analyze  | ed: 11/08/2 | 021   |       |       |
| Boron                               | 0.22634 | 0.0500      | mg/L  |          | 0.22873     |            |             | 1.05  | 20    |       |
| Calcium                             | 85.896  | 1.50        | mg/L  |          | 86.759      |            |             | 0.999 | 20    |       |
| Matrix Spike (BGK0162-MS1)          | Sou     | rce: MGK003 | 33-14 | Prepared | : 11/06/202 | 21 Analyze | ed: 11/08/2 | 021   |       |       |
| Boron                               | 1.1404  | 0.0500      | mg/L  | 1.0000   | 0.22873     | 91.2       | 70-130      |       |       |       |
| Calcium                             | 184.53  | 1.50        | mg/L  | 100.00   | 86.759      | 97.8       | 70-130      |       |       |       |
| Matrix Spike Dup (BGK0162-MSD1)     | Sou     | rce: MGK003 | 33-14 | Prepared | : 11/06/202 | 1 Analyze  | ed: 11/08/2 | 021   |       |       |
| Boron                               | 1.1009  | 0.0500      | mg/L  | 1.0000   | 0.22873     | 87.2       | 70-130      | 3.53  | 20    |       |
| Calcium                             | 181.16  | 1.50        | mg/L  | 100.00   | 86.759      | 94.4       | 70-130      | 1.84  | 20    |       |
|                                     |         |             |       |          |             |            |             |       |       |       |



Environmental Services-Water Minneapolis

250 Marquette Plaza

Minneapolis MN, 55401

Project Manager: Eric Ealy

Project Name/Location: Sherco Pond 3 CCR

Reported:

12/03/2021 09:48

#### **Qualifiers and Definitions**

M\_TTT Sample received at the lab outside of required hold time.

M\_K-06 The reporting limit has been increased, the reported result is acceptable. The maximum routine sample volume was used,

but the amount of residue measured was below reference method limits.

M\_D-RL The RPD for the sample duplicate was outside of QC acceptance limits due to<RL.

Z Non Accredited Analyte

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

# Face Analytical"

# CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Required Client Information: | ormation:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Required Pro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Required Project Information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | = 4       | Invoice Information    | nation:            |                                                                 |             |             |                              |                 |                  | Γ           |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                    |                                      |                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------------------------|--------------------|-----------------------------------------------------------------|-------------|-------------|------------------------------|-----------------|------------------|-------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------|--------------------------------------|------------------|
| mpany:                       | Xcel Energy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | report to.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Chris Pelosi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | isole     |           | Hermon.                |                    |                                                                 |             | steve       | Steve Davis                  |                 |                  |             |                        | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | REGULATORY AGENCY | TORY A                                             | BENCY                                |                  |
| Address: E                   | Environmental Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Copy To:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Riley Jacob                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | nosqu     | 0         | Company Name:          | me:                |                                                                 |             |             |                              |                 |                  |             | L NPDES                | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GROUND WATER      | ATER T                                             | DRINKING WATE                        | KEN              |
| 1                            | IMP-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <         | Address:               |                    |                                                                 |             |             |                              |                 |                  |             | L UST                  | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RCRA              | L                                                  | OTHER MCES                           | 2                |
| Email To:                    | Chris Pelosi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Purchase Order No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | er No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | 1         | Pace Quote Reference   | Reference          | .e.                                                             |             |             |                              |                 |                  |             | SITE                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NC C MN           | 1 11                                               | L                                    | Σ                |
| Phone: (612) 597-7254        | Fax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Project Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Project Number 21-05-22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 23        | а.        | Pace Project Manager:  | Manage             | Ľ.                                                              | Chris       | Pelos       | Chris Pelosi/ Riley Jacobson | / Jaco          | pson             |             | LOCA                   | LOCATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | T HO T            | SCL                                                | WIF                                  | OTHER            |
| Requested Due Date/TAT:      | ne/TAT: 2 Weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Project Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Xcel Energy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | rco P     | Sherco Ponds Fall 2021 |                    | Pace Profile                                                    | .#:         |             |                              |                 |                  |             | Filtered (Y/N)         | (NI)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 111               | 11                                                 | 1                                    | -                |
| Secti                        | SAWPLE ID One Character per box. (A-2, 0-9 / -)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Valid Matrix Codes MATRIX DEMAINMENTER WASTE WASTE WASTE SOLLSOLD OIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CODE<br>W. W.<br>W. W.<br>P. W. W.<br>W. P.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TRIX CODE | MPLE TYPE |                        | COLLE              | COLLECTED                                                       |             | PLE TEMP AT | CONTAINERS                   | pevi            | Preservatives    |             | Requested<br>Analysis: | SAB-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sig Calv          | \$25 500 (<br>\$25 500)<br>\$25 500 (<br>\$25 500) | (NIX) SULONG<br>Sci SOS<br>SENGENSIO |                  |
| Sam                          | Sample IDs MUST BE UNIQUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P TO E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | AM        | G=CF      | COMPOSITE START        | 1                  | COMPOSITE END/GRAB                                              | ID/GRAB     |             | # OE                         | SO <sup>4</sup> | но               | SS2O3       | on                     | 100 NOW 100 NO | 14093             | 19092<br>19092                                     |                                      | Pass Preject No. |
|                              | A NO. CL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Company of the Compan | THE PERSONAL PROPERTY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | +         | DATE                   | TIME               | DATE TIME                                                       | TIME        | ANIE        |                              | zH.             | NS<br>HC         | 9W          | 10                     | 10 10 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   | 80                                                 |                                      |                  |
| 6                            | AE0-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Attended to the control of the contr | AND THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS | M IM      | 0 0       | ,                      | ,                  | 11/2/21                                                         | NO SH       | 3           |                              |                 | 7 -              |             | < >                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < >               |                                                    |                                      |                  |
| 2                            | P-03B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PATANTAN PARAMETER PROPERTY OF THE PARAMETER P | and manuscript in particular and a second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | - A       | 0         | i                      | i                  | 11/2/11                                                         | ומכנו       |             | 6                            | -               |                  | -           | ×                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | : ×               |                                                    |                                      | 1                |
| 7                            | DODGE CONTRACTOR OF THE PERSON |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AA        | 9         |                        |                    | MELL DEY NOSAMPL                                                | 5 5         | SAMPLI      | , ,                          | ++              |                  |             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | K 3               |                                                    |                                      |                  |
|                              | P-05A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1         | 1         |                        |                    | THE STANDER                                                     | 70          | AMOIN       | c                            |                 |                  |             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                    |                                      |                  |
| 9                            | р.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | National Company of the Company of t | TW.       | 0         | ,                      |                    | 11/2/21                                                         | 1520        | 3           | 2                            | -               | -                | -           | -                      | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ×                 |                                                    |                                      |                  |
|                              | редоставления польтине в польтин  | and the second second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TW.       | 0         | ,                      | 1                  | 17/1/10                                                         | 1515        |             | 4                            | -               | 2                |             | ×                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                 |                                                    |                                      |                  |
| 8                            | P-23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT        | O         | .1                     | ,                  | 11/2/11                                                         | 1200        |             | 4                            | 1               | 2                |             | ×                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                 |                                                    |                                      |                  |
| 6                            | P-42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT        | 9         | ,                      | 1                  | 11/1/21                                                         | 1125        |             | 6                            | 1               | 1                |             | ×                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                 |                                                    |                                      |                  |
| 110                          | P-43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT        | 9         | ,                      |                    | 11/1/11                                                         | 935         |             | က                            | 1 1             | 1                |             | ×                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                 |                                                    |                                      |                  |
| =                            | P-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | W         | Ö         |                        | ,                  | 12/2/11                                                         | 1135        |             | 6                            | -               | -                |             | ×                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                 |                                                    |                                      |                  |
| 1/2                          | P-50B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WT        | 9         | ,                      | ,                  | 11/2/21                                                         | 0021        |             | 60                           | 1 1             | -                |             | ×                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ×                 |                                                    |                                      |                  |
| Additional Comments:         | its:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RELINQUI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ISHED !   | BY/       | AFFILIATION            | NOI                | DATE                                                            | TIME        | ш           | ACCEPTED                     | тер в           | BY / AFFILIATION | ATION       | DATE                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TIME              | SAMPLE                                             | CONDITIONS                           | 느                |
| Somales de                   | * sounder delivered to Xel lab 11/3/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12/21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | *. ( // *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1         | 7         | - Pere                 | 7                  | 11/3/21                                                         | 720         | 0           | 1                            | 1               | Acce             | 1           | 18/11                  | 21 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 621               | 4,1                                                | N/A                                  | N/A              |
| 010                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0         |           |                        |                    |                                                                 |             |             | )                            |                 |                  |             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                    | M/Y                                  | N/A              |
| 5                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |           |                        |                    |                                                                 |             |             |                              |                 |                  |             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | *                                                  | N/A                                  | N/A              |
| , - 1 .                      | Cobab Co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |           |                        |                    |                                                                 |             |             |                              |                 |                  |             |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                    | N/A                                  | N/A              |
| 45+12                        | The photos of. 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |           | 0 1 10                 | AMPLE<br>RINT Name | SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER. (Ans Relayer) | Chris Chris | Pelosi      | 1.5                          | Ribey           | + Riley Jacobson | igned (MM// | (AA/QC                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | O° ni qmə                                          | eceived on<br>lce<br>Custody         | aled Cooler      |
| 0                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |           |                        |                    | 100                                                             | 35          | 11.100      | 11                           |                 |                  | 17:1        | 1,121                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                    |                                      | S                |

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Face Analytical

DRINKING WATE N/A Samples Intact N/A OTHER OTHER MCES SAMPLE CONDITIONS of Sealed Cooler N/A N/A N/A Custody REGULATORY AGENCY L MIN Page: 3 eo| ON N/A Received on SCT ▼ GROUND WATER 

▼ 5.0 O° ni qmaT LHOL L NC WN -11/5/21/0900 TIME RCRA × × × × × × × × L LOCATION NPDES iltered (Y/N) SITE DATE UST tequested inalysis: × × × × × × ACCEPTED BY / AFFILIATION Chris Pelosi + Pelly Suchson lonerhan EOSSEN HORN Chris Pelosi/ Riley Jacobson IOI FONH -\*OSZH pewesendu Steve Davis 4 m 3 3 4 3 3 500 m m 00 3 # OF CONTAINERS SAMPLER NAME AND SIGNATURE COFFECTION TA 9MBT 3J9MA2 0060 TIME 1235 0741 1355 940 5001 1145 1315 1225 1345 1425 5501 1110 11/3/21 12/4/11 11/3/21 11/3/21 11/2/11 11/3/21 11/3/21 17/4/11 17/121 11/1/21 RELINQUISHED BY / AFFILIATION DATE 11/2/21 DATE 11/2/11 11/2/11 COLLECTED ace Quote Reference: Pace Project Manager Xcel Energy Sherco Ponds Fall 2021 TIME Invoice Information: 1 1 . company Name Section C DATE Attention: 1 ddress: 1 1 • . 1 1 V -1 . GRAB C=COMP O O O 0 0 0 0 9 O 0 0 0 TW TW WT TW TW WT TW TW TW TW MT Riley Jacobson MT 21-05223 MATRIX CODE Chris Pelosi Required Project Information: Purchase Order No. Project Number \*, samples delivered to Xeel lab 11/3/21 CIP. Project Name: Section B -remaining simples delivered to XCel lab Report To: Jos : 17800 hy chart Copy To: Section D Required Client Information P-101B P-101A P-93D P-94A P-126 P-129 P-131 P-93A P-93B P-127 P-128 P-130 **Environmental Services** 2 Weeks (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE One Character per box. SAMPLE ID Xcel Energy Chris Pelosi MP-7 Section A Required Client Information: Fax Requested Due Date/TAT: Additional Comments: hone: (612) 597-7254 company. mail To: # MaTI \*

e-File(ALLQ020rev.3,31Mar05))22Jun2005

(MM/DD/YY)

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical"

Page Project No. DRINKING WATE Samples Intact N/A N/A OTHER SAMPLE CONDITIONS OTHER MCES ō Sealed Coole N/A N/A N/A N/A e-File(ALLQ020rev.3,31Mar05))22Jun2005 Custody L REGULATORY AGENCY M Page: 2 90 N/A N/P N/Y Received on \_\_ F GROUND WATER | SCL O° ni qmeT L 3 L aro HO NC RCRA L × × × × × × × × × × LOCATION e 11/3/21 iltered (Y/N) L NPDES TSU T Requested Analysis: × × × × × × × × × × × Chris Pelis, + Biley Jacobson Darie Signed (MM TOD) TOTAL )ther ACCEPTED BY / AFFILIATION lethanol 195Szel HOP Chris Pelosi/ Riley Jacobson IOH EONH -------\*OSZH -5----npreserved Steve Davis 3 3 3 3 n 3 3 n 3 3 # OF CONTAINERS 3 3 SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION 720 1320 1050 1255 1225 0900 1345 1305 1020 1225 810 TIME 835 900 COMPOSITE END/GRAB Xcel Energy Sherco Ponds Fall 2021 Pace Profile #: INT Name of SAMPLER: 11/2/21 11/3/21 11/2/21 11/2/21 12/1/11 11/1/21 DATE 11/2/21 uldu 11/1/21 11/1/21 11/2/21 17/1/11 11/1/11 COLLECTED ace Quote Reference: Pace Project Manager: TIME Invoice Information • 1 1 . . Company Name: COMPOSITE START Jak Section C DATE Attention: 1 5 1 1 SAMPLE TYPE PARD=D 0 0 O O 9 O O O 9 0 0 0 Riley Jacobson Project Number 21-65223 TW TW TW TW TM TM TW TW WT TW TW TW MATRIX CODE Chris Pelosi Required Project Information: CODE Down Purchase Order No.: Project Name: PHStys: Moster. 4.1°C Section B Report To: MATRIX
DRINKING WATER
WATER
WASTE WATER
SOLUSOLID
OIL Copy To: \*, sumplie delined to Xel lab 11/3/21 Section D Required Client Information P-50D P-89-1 P-90A P-92A P-92B P-92D P-90 P-56 D-60 P-62 99-d P-88 Environmental Services 2 Weeks One Character per box. (A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE SAMPLEID Xcel Energy Chris Pelosi MP-7 Requested Due Date/TAT: Required Client Information: Fax: Additional Comments: Phone; (612) 597-7254 Company: Email To: 9 # MHT \* \* \* \* \* \* \*

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical

0 DRINKING WATER OTHER SAMPLE CONDITIONS OTHER MCES of N/A N/A L Z REGULATORY AGENCY N N Page: 4 NC IL GROUND WATER LOS LHO L TIME × 11/5/2/0900 × RCRA × × LOCATION NPDES | iltered (Y/N) SITE DATE UST ACCEPTED BY / AFFILIATION Sp EOSSEN Chris Pelosi/ Riley Jacobson EONH Post Steve Davis N # OF CONTAINERS 2 2 2 0 N N N 2 COLLECTION
SAMPLE TEMP AT WELLDRY NO SAMPLE WELL DRY NO SAMPLE 0060 TIME 1230 845 1300 11/2/11 1305 930 925 TIME 835 SSS 11/4/21 1135 1100 11/4/21 11/2/21 11/2/11 17/4/21 17/4/11 11/2/11 11/3/21 11/2/21 11/4/11 DATE RELINQUISHED BY / AFFILIATION DATE COLLECTED ace Quote Reference Pace Project Manager. Xcel Energy Sherco Ponds Fall 2021 TIME Invoice Information ١ 1 Company Name: Section C DATE 1 1 1 -1 SAMPLE TYPE TWPE G=0MP 0 0 0 0 0 0 0 WT G WT G WT G TW TW TW TW Riley Jacobson 21-05223 TW 1 TW TW MATRIX CODE Chris Pelosi Required Project Information: Purchase Order No. Project Number \*, symples delivered to Xcel lab 11/3/21 CIP. Project Name: remaining sumples delivered to Kel lab Section B Report To: Copy To: P-154A P-132 P-151 P-153 P-155 P-156 P-157 P-158 P-162 P-163 Environmental Services One Character per box. (A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE SAMPLE ID Xcel Energy Chris Pelosi Required Client Information. ax: Requested Due Date/TAT: Additional Comments: Section D hone: (612) 597-7254 mail To: H MHI ¥ ¥

e-File(ALLQ020rev.3,31Mar05))22Jun2005

N/A N/A

N/A

N/A N/A Samples Intact

sealed Cooler

Custody

Received on

J° ni qmeT

Plas + Riley Jucobson
DATE Signed (MAIDDIYM)

NIS

HStrys: Mowth you

as signed on COC

SAMPLER NAME AND SIGNATURE

### CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical www.pacelebs.com

| Company:         | Required Client Information:  Company:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Report To: Chris Pe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Chris Pelosi |          | Attention:            | Attention:            |                                        | 30                                  | Steve Davis          | avis      |                  |                |                           |            |                        | 쭚            | REGULATORY AGENCY | ORY A                                    | GENC              | `              |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|-----------------------|-----------------------|----------------------------------------|-------------------------------------|----------------------|-----------|------------------|----------------|---------------------------|------------|------------------------|--------------|-------------------|------------------------------------------|-------------------|----------------|
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |          | (                     |                       |                                        | 5                                   |                      | 2         |                  |                |                           |            | No.                    |              |                   |                                          |                   |                |
| Address:         | Environmental Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Copy To: Riley Jaco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Jacobson     | uc       | Company Name          | Name                  |                                        |                                     |                      |           |                  |                |                           |            | L NPDES                | 2            | GROUND WATER      | TER T                                    | DRI               | DRINKING WATER |
|                  | MP-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |          | Address:              |                       |                                        |                                     |                      |           |                  |                |                           |            | L UST                  | I RCRA       | ξ.                | L                                        | TO                | Ш              |
| Email To:        | Chris Pelosi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Purchase Order No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |          | Pace Qui              | Pace Quote Reference: | ice:                                   |                                     |                      |           |                  |                |                           |            | SITE                   | NC T         | L WW              | LT                                       | Z                 | E N            |
| hone: (6         | Phone: (612) 597-7254 Fax:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Project Number 21-052                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5223         | ~        | Pace Pro              | Pace Project Manager: | jer.                                   | Chris Pelosi/ Riley Jacobson        | elosi/               | Riley     | Jack             | nosqc          |                           |            | LOCATION               |              | L HO I            | Sch                                      | N<br>N            | OTHER          |
| equest           | Requested Due Date/TAT: 2 Weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Project Name: Xcel Energy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              | herco    | Ponds F               | all 2021              | Sherco Ponds Fall 2021 Pace Profite #. | 110 #:                              |                      |           |                  |                | -                         | E.         | Filtered (Y/N)         | // (         | ///               | //                                       | //                | //             |
| U)               | mation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Valid Matrix Codes  MATRIX DISMINIOUS CODE DISMINIOUS TON WATER WATER WATER FROMUT FRO | 2000 XII     | SIX CODE | 100000                | COLL                  | COLLECTED                              |                                     | E TEMP AT<br>LECTION | SABNIATMO | pe               | Preservatives  | atives                    | <u> </u>   | Requested<br>Analysis: | 100          | 2304W             | 24 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | SAMPS STAND       |                |
| # W              | (A-Z, 0-9 / ,-)<br>Sample IDs MUST BE UNIQUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              | IMAS     | COMPOSITE START       | START                 | COMPOSITE END/GRAB                     | П                                   |                      | OE C      | O*               |                | €O <sup>z</sup> S         | hanol      | 10                     | \$ 400 B     | 1780°             | TAO BUD                                  | 200               |                |
| 3TI              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |          | DATE                  | TIME                  | DATE                                   | TIME                                |                      | #         | S <sub>S</sub> H | HUC            | -                         | OfF        | 100/0V                 | 10/10/10/10/ |                   | Ses View                                 | Control Street    | Lab I.D.       |
|                  | P-93A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5            | WT G     | 1                     | 1                     | 11/1/21                                | 1420                                |                      | 60        | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| ev.              | P-93B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | S            | WT G     | 1                     | ,                     | 11/1/21                                | 1355                                |                      | m         | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| - ( <del>0</del> | D:-93D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5            | WT G     |                       |                       |                                        |                                     |                      | 8         | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| 4                | P-94A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5            | WT G     | ì                     | •                     | 11/2/21                                | 1345                                |                      | 60        | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| ம                | P-101A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5            | WT G     | 1                     | ,                     | 11/2/21                                | 940                                 |                      | m         | 1-               | F              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| U U              | P-101B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5            | WT G     | 1                     | 1                     | 11/2/11                                | 1005                                |                      | m         | 1                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
|                  | P-126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5            | WT G     | ,                     | ,                     |                                        |                                     |                      | m         | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| ω                | P-127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | S            | WT G     | •                     | 1                     |                                        |                                     |                      | m         | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| <b>ර</b> ා       | P-128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8            | WT G     | ,                     | 1                     |                                        |                                     |                      | 6         | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| 9                | P-129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | S            | WT G     | 1                     | ,                     |                                        |                                     |                      | 6         | -                | -              |                           |            | ×                      | ×            |                   |                                          |                   |                |
| Ę                | P-130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | \$           | WT G     | 1                     | 1                     |                                        |                                     |                      | 4         | -                | 2              |                           |            | ×                      | ×            |                   | ×                                        |                   |                |
| <u> </u> 2       | ретиную применент мужет тейстору применент мужет применент му |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5            | WT G     | 1                     | j<br>·                |                                        |                                     |                      | 4         | -                | 2              |                           |            | ×                      | ×            |                   | ×                                        | The second second |                |
| ddition          | Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | REL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RELINGUIS    | IED E    | SHED BY / AFFILIATION | NOLLA                 | DATE                                   | TIME                                |                      | ACCEP     | TED E            | 3Y / AF        | ACCEPTED BY / AFFILIATION | NO         | DATE                   | TIME         |                   | SAMPLE CONDITIONS                        | E CON             | оппа           |
|                  | AN LINITE WAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | *                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 117          | 7        | 6                     | Bee                   | 11/3/4                                 | 720                                 |                      | +         | 2                | 1              | /Kel                      | 111        | 13/20                  | 072          | 720 6             | 1.1                                      | NA                | N/A            |
| *                | *, Sumple delivered to the tests is in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | }                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1            |          |                       |                       |                                        |                                     |                      |           |                  |                |                           |            |                        |              |                   |                                          | N/A               | N/A            |
|                  | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |          |                       |                       |                                        |                                     |                      |           |                  |                |                           |            |                        |              |                   |                                          | N/A               | N/A            |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |          |                       |                       |                                        |                                     |                      |           |                  |                |                           |            |                        |              |                   |                                          | N/A               | N/A            |
|                  | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |          |                       | SAMP                  | LER NAME                               | SAMPLER NAME AND SIGNATURE          | ATURE                |           |                  |                |                           |            |                        |              |                   | 0.                                       |                   |                |
|                  | Jest on is dutoto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |          |                       | PRINT Name            | IME of SAMPLE                          | PRINT Name of SAMPLER. Chris Pelosi |                      | +         | lend             | Riley Jacobson | E Sign                    | DG/WW) pau | (w.)                   |              |                   | ni qməT                                  | Received          | Sealed Co      |

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately,

Pace Analytical www.pacelabs.com

DRINKING WATE MY WYY OTHER OTHER MCES SAMPLE CONDITIONS of N/A N REGULATORY AGENCY M Page: 5 N 1 SCL F GROUND WATER 5.0 NC WN T L HO L × × × × 060 TIME RCRA × × × × × × L. LOCATION × 17 5/21 L NPDES iltered (Y/N) SITE DATE L UST equested nalysis: × × × × × ACCEPTED BY / AFFILIATION lonertel EOSSEN XCE HOEN Chris Pelosi/ Riley Jacobson 101 EONH 1 1 1 1 1 1 1082H 1 1 Steve Davis 63 3 3 N N 2 2 2 9 # OF CONTAINERS N 2 4 SAMPLE TEMP AT 0060 TIME SH6 1520 0501 935 1355 1000 0491 1345 TIME 1000 1500 aghi SZH ulstu 11/4/24 12/4/11 11/4/21 11/3/21 11/2/11 11/2/11 11/3/21 11/3/21 DATE 12/2/11 12/2/11 11/4/21 11/1/21 RELINQUISHED BY / AFFILIATION DATE COLLECTED ace Quote Reference: Pace Project Manager Xcel Energy Sherco Ponds Fall 2021 TIME nvoice Information. • 1 1 1 1 1 1 Company Name: COMPOSITE START Section C DATE -١ 1 1 -1 -1 1 1 1 SAMPLE TYPE 9MOD=D BARD=D 0 0 0 0 0 0 0 0 0 0 0 WT G TW Riley Jacobson WT WT TW WT TW TW WT TW W WT MATRIX CODE Rey Chris Pelosi 21-05223 Required Project Information: SOD 3 2 5 1 2 2 3 5 2 2 Purchase Order No.: Project Number Project Name; \*, samples delivered to Xeel lab 11/3/21 CJP. Section B Report To: MATRIX
DRINKING WATER
WATER
WASTE WATER
PRODUCT
SCHOOLCT Copy To: DUPLICATE NPDES WELL #6A P-178B WELL #4 P-165 P-173 P-174 P-175 P-176 P-178A P-164 P-177 Environmental Services 2 Weeks One Character per box. (A-Z, 0-9 / ;-) Sample IDs MUST BE UNIQUE Required Client Info SAMPLE ID Xcel Energy Chris Pelosi MP-7 Required Client Information. Fax Requested Due Date/TAT: Section D Additional Comments: hone: (812) 597-7254 Section A mail To: ddress: TEM # \* \*

e-File(ALLQ020rev.3,31Mar05))22Jun2005

Samples Intact Y/N

N/A N/A N/A

> N/A N/A

Sealed Cooler

Custody

lce

Keceined on

O° ni qmeT

DATE Signed (MM/DD/YY)

This relos + Paley Jacobson

SAMPLER NAME AND SIGNATURE

of Strps Mousell 50°C

remaining simples delivered to Keel lab

as synd on 600

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical"

Pace Project No. DRINKING WATER OTHER N/A N/A samples intact OTHER MCES SAMPLE CONDITIONS of Custody Sealed Cooler N/A N/A N/A N/A L M REGULATORY AGENCY Page: 4 N/A N/A Received on 1 NPDES F GROUND WATER T SCL Jemp in °C 2 MN × × × L HO × × 0760 NC C × × × × TIME × T RCRA × × × × × × × × × 11/3/20 iltered (Y/N) UST DATE × × × × Uther lonsities COSSSEV HOSN Chris Pelosi/ Riley Jacobson HCI EONH 2 OS2H Unpreserved Steve Davis # OF CONTAINERS 2 2 2 2 SAMPLE TEMP AT 720 1230 1305 925 TIME 835 COMPOSITE END/GRAB Project Name: Xcel Energy Sherco Ponds Fall 2021 Page Profile #: 11/2/11 DATE 11/2/21 11/2/21 11/2/11 11/2/11 COLLECTED ace Quote Reference: Pace Project Manager: TIME Invoice Information: ŧ 1 1 1 Company Name COMPOSITE START Jace . Section C DATE Address: 1 t 1 1 1 SAMPLE TYPE = GRAB C=COMP 0 0 0 0 0 0 0 0 0 0 O O Riley Jacobson W W W WT WT WT TW WT WT TW WT WT 21-05223 MATRIX CODE Chris Pelosi Required Project Information: urchase Order No. Project Number 1000 my 4000 11: 4.10C alid Matrix Codes Section B MATRIX
DRINKING WATER
WATER
WASTE WATER
PRODUCT
SOLISOLID
OIL Report To: Sopy To: \$, simples thliving to tai lab 11/3/21 Section D Required Client Information P-152A P-154A P-132 P-150 P-153 P-151 P-155 P-156 P-157 P-158 P-162 P-163 Environmental Services 2 Weeks One Character per box. (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLEID Chris Pelosi Xcel Energy MP-7 Section A Required Client Information: Fax: Requested Due Date/TAT: Additional Comments: 610 Phone: (612) 597-7254 Email To: ITEM # \*\* \* \*

e-File(ALLQ020rev.3,31Mar05))22Jun2005

eo|

DATE Signed (MM / DD / YY)

+ Riley Jacobson

Chris Peloi:

### Face Analytical www.pacelabs.com

### CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

| Company:                | Xcel Energy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Report To: C                                                                                                               | Chris Pelosi                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Attention:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                       | Steve                      | ve Davis   | /is      |                                                                          | Management                              |                     | REGUI        | REGULATORY AGENCY | AGEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ζ                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------|----------------------------|------------|----------|--------------------------------------------------------------------------|-----------------------------------------|---------------------|--------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Address: En             | Environmental Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Copy To: Rile                                                                                                              | Riley Jacobson                                   | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Name:     |                       |                            |            |          |                                                                          |                                         | L NPDES             | F GROUND     | GROUND WATER      | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DRINKING WATER   |
|                         | MP-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                            |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                       |                            |            |          |                                                                          |                                         | TSU 7               | ☐ RCRA       |                   | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ш                |
| Email To:               | Chris Pelosi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Purchase Order No.:                                                                                                        |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pace Quote Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | te Refere | nce:                  |                            |            |          |                                                                          | Massamu                                 | SITE                | NO NO        | L                 | L<br>Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | M                |
| Phone: (612) 597-7254   | Fax:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Project Number 2                                                                                                           | 21-05223                                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pace Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ect Mana  | ger                   | Chris Pe                   | elosi/ R   | iley Ja  | Pelosi/ Riley Jacobson                                                   | - Comment                               | LOCATION            |              | H L SCL           | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TOTHER           |
| Requested Due Date/TAT: | Weeks 2 Weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Project Name: Xce                                                                                                          | Xcel Energy Sherco Ponds Fall 2021 Page Promo #: | erco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ponds F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | all 2021  | Pace Pron             | .# •                       |            |          |                                                                          | tomoutone                               | Filtered (Y/N)      | 111          | 1                 | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                |
| Section                 | SAMPLE ID One Character per box. (A-Z, 0-91,-3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Valid Matrix Codes  CODE  IMATRIX  CODE  INITIA  INITIA  WATER  WATER  WATER  CODE  OF  ON  ON  ON  ON  ON  ON  ON  ON  ON | TRIX CODE                                        | MPLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | COLL      | соггестер             | TA GMP AJ                  | CONTRINERS | 5        | Preservatives                                                            |                                         | Requested Analysis: | SANG<br>SAVO | aharra (          | NIV BUILDING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |
| W # W                   | Sample IDs MUST BE UNIQUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 757                                                                                                                        | .AM                                              | IAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | COMPOSITE START                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | START     | COMPOSITE END/GRAB    |                            | 00         | 19891    | 2                                                                        | oue                                     | 1                   | 100/00       | 140               | leng                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |
| 311                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>g</u>                                                                                                                   | 2000000000                                       | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TIME      | DATE                  | TIME                       | COLUMN     |          | M <sup>82</sup> 8<br>M <sup>8</sup> O<br>HCI<br>HMC<br>H <sup>8</sup> SC |                                         | 15×15×1             | 3/20/20      | (AE               | (Sa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lab LD.          |
| -                       | RINSE NPDES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | S                                                                                                                          | -M                                               | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (         | 11/1/21               | 910                        | ω,         | -        | 1                                                                        | REALIZATION NAMES                       | ×                   | ×            |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 2                       | DUPLICATE BAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AP                                                                                                                         | TW                                               | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1         | 11/1/21               | 1515                       | 2          | -        | +                                                                        | 100000000000000000000000000000000000000 | ×                   | ×            |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| က                       | RINSE BAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                            | TW                                               | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (         | 11/1/11               | 0751                       | 2          | F        | -                                                                        |                                         | ×                   | ×            |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 4                       | DUPLICATE BAP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | \P2                                                                                                                        | TW                                               | 9 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (         | 11/2/21               | 0001                       | 2          | -        | 7                                                                        |                                         |                     | ×            | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 5                       | RINSE BAP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                            | TW                                               | T G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | l         | 12/2/11               | 5001                       | 24         | -        | -                                                                        |                                         |                     | ×            | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 9                       | DUPLICATE P3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 23                                                                                                                         | TW                                               | 1 G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (         | 11/3/21               | Shb                        | 27         | 7        | F                                                                        |                                         |                     | ×            | ×                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 7                       | RINSE P3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                            | TW                                               | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ţ         | 11/3/21               | 930                        | 2          | -        | ~                                                                        |                                         |                     | ×            | ×                 | MISSION OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |
| 8                       | P- 430 @162'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                            | WT                                               | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1         | 11/3/24               | 1515                       | 8          | -        | -                                                                        |                                         |                     |              |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 6                       | P-930@ 158'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                            | TW.                                              | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1         | 11/3/21               | 1535                       | 0          | -        | 1                                                                        |                                         |                     |              |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 10                      | The second secon |                                                                                                                            |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                       |                            | -          |          |                                                                          | articularity.                           |                     |              |                   | and the same of th |                  |
| 11                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                            |                                                  | The state of the s | The state of the s |           |                       | 0                          | +          | 1        |                                                                          |                                         |                     |              |                   | anesanna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| 2                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                            |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _         |                       | 14/121                     |            |          |                                                                          |                                         |                     |              |                   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                |
| Additional Comments:    | is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E                                                                                                                          | RELINQUISH                                       | ED B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | HED BY / AFFILIATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IATION    | DATE                  | TIME                       | AC         | ACCEPTED | D BY / AFFILIATION                                                       | TION                                    | DATE                | TIME         | SAME              | SAMPLE CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NDITIC           |
| * Sunsh                 | * Sunabe delived to Kel let 11/2/21 (10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12/21 (10                                                                                                                  | no hay                                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | 11/2/2                | 6050                       | 1          | 1        | )/xa                                                                     |                                         | 11/5/21             | 390          | 50                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A              |
| C. American             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                            | 5                                                | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                       |                            |            |          |                                                                          |                                         |                     |              |                   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A              |
| remains                 | . remaining sumples delived to the lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Xul las                                                                                                                    |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                       |                            |            |          |                                                                          |                                         |                     |              |                   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A              |
| as sign                 | as signed on COC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                            |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                       |                            |            | 91       |                                                                          |                                         |                     |              |                   | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A              |
| >                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | J                                                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SAMP      | LER NAME              | SAMPLER NAME AND SIGNATURE | rure       |          |                                                                          |                                         |                     |              | ٥.                | uo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
| OFIST                   | OF Strips: Moster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20                                                                                                                         |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PRINT     | PRINT Name of SAMPLER | Chins                      | Helos.     | + (4)    | Reley Jacobson                                                           | batt Slowed MM/DD/YW                    | 37.840              |              | ni qmə            | eceived                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ootsuO<br>O bels |
| -                       | ), " O . " /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                                                                                                                          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                       | 1111                       | 6          |          |                                                                          | .cheh.                                  | -                   |              | 1                 | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 95               |

e-File(ALLQ020rev.3,31Mar05))22Jun2005

The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately.

Face Analytical

Pass Project No. DRINKING WATER OTHER OTHER MCES SAMPLE CONDITIONS o REGULATORY AGENCY M F GROUND WATER [ 1 SCL L L × HO × × × × × NC T TIME RCRA × × × × × × × × × × × NPDES iltered (Y/N) UST Requested Analysis: × × × Jedic ACCEPTED BY / AFFILIATION Nethanol COSSEPT HOS Chris Pelosi/ Riley Jacobson ICI EON -POST Jupreserved -Steve Davis 2 3 # OF CONTAINERS 2 4 3 3 3 COLLECTION SAMPLE TEMP AT Ohol 1425 1000 1400 TIME 435 COMPOSITE END/GRA DATE 17/2/11 11/2/21 11/1/21 11/2/21 COLLECTED 11/2/21 ace Quote Reference ace Project Manager Xcel Energy Sherco Ponds Fall 2021 TIME invoice Information: . ompany Name: Section C Attention: DATE Address: 1 . ١ O 0 0 0 O 0 0 0 0 0 0 TW Riley Jacobson M TW. W W WT M WT TW TW TW TW MATRIX CODE Chris Pelosi 21-05223 Required Project Information: CODE PARTIES NO. 12 Purchase Order No.: Project Number Project Name: Section B Report To: MATRIX
DIN HAING WATER
WATER
WASTE WATER
SOIL/SOLD
OIL Copy To: DUPLICATE NPDES Required Client Information WELL #6A WELL #4 P-164 P-173 P-175 P-178A P-178B P-165 P-174 P-176 P-177 Environmental Services 2 Weeks One Character per box. (A-Z, 0-91, -.)
Sample IDs MUST BE UNIQUE SAMPLEID Chris Pelosi Xcel Energy Required Client Information: Fax: Requested Due Date/TAT: Section D hone; (612) 597-7254 Section A Company: # METI

245trys: mooster

e-File(ALLQ020rev.3,31Mar05))22Jun2005

N/A N/A

N/A

N/A

N/A N/A

N/A

SIN

1:

0720

11/3/24

Kel

720

11/3/24

due 113m

\*, simples delivered to Kei lab 11/3/21

S

Samples Intact

Sealed Coole

Custody

Received on Ice

O° ni qmeT

AMPLERINANDE AND SIGNATURE Chris Pelesi + Rilly Jacobson

SIGNATURE OF SAMPLER THE SIGNATURE OF SAMPLER THE SIGNATURE OF SAMPLER THE SIGNATURE OF SAMPLER SIGNATURE SIGNATURE OF SAMPLER SIGNATURE OF SAMPLER SIGNATURE SIGNATURE OF SAMPLER SIGNATURE SI

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical"

DRINKING WATER Samples Intact N/A N/A OTHER SAMPLE CONDITIONS OTHER MCES of Sealed Cooler e-File(ALLQ020rev.3,31Mar05))22Jun2005 N/A N/A N/A N/A Apoisno. L REGULATORY AGENCY N Page: 6 901 BN N/A Received on 1 SCL ☐ NPDES F GROUND WATER ☐ O° ni qmaT L NW L × × HOL 0210 NCT × L RCRA × iltered (Y/N) 11/3/24 T UST × Other loneria EO5Sz6 Chns Peles + Rily Jacobson HOE Chris Pelosi/ Riley Jacobson CI EONH OSZhpreserved 3 Steve Davis 2 N 2 # OF CONTAINERS 2 СОГГЕСТІОИ 720 TA 9MBT BJ9MAS 1520 910 1515 1000 1005 Xcel Energy Sherco Ponds Fall 2021 Pace Prome #: n 13/21 12/1/11 12/1/11 11/1/21 RELINQUISHED BY / AFFILIATION | DATE DATE Hilzizi 11/2/21 COLLECTED ace Quote Reference: Pace Project Manager: TIME Invoice Information. 1 1 1 Company Name: COMPOSITE START Section C DATE Address: 1 1 1 1 1 E SAMPLE TYPE G=GRAB C=COMP O 0 O O O O 0 TW TW TW TW Project Number 21-05223 M M Riley Jacobson M MATRIX CODE Chris Pelosi Required Project Information: PHStrps. Moutuz Purchase Order No.: Project Name: Section B Valid Matrix Coc MATRIX DERINING WATER WATER WASTE WATER PRODUCT SOLUSOLID OIL Report To: Copy To: \*, sumplier delivered to the links 11/3/21 DUPLICATE BAP2 **DUPLICATE BAP** DUPLICATE P3 RINSE NPDES Section D Required Client Information RINSE BAP2 RINSE BAP RINSE P3 Environmental Services 2 Weeks One Character per box. (A-Z, 0-91, ;-) Sample IDs MUST BE UNIQUE SAMPLEID Chris Pelosi Xcel Energy MP-7 Fax: Section A Required Client Information: Requested Due Date/TAT: Phone: (612) 597-7254 S mail.To: Address: # Mati \* \*

(724)850-5600



January 06, 2022

Christopher Pelosi Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414

RE: Project: 21-05223

Pace Project No.: 30452492

### Dear Christopher Pelosi:

Enclosed are the analytical results for sample(s) received by the laboratory between November 09, 2021 and November 30, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Megan A. Rager

megan.rager@pacelabs.com

Megan a Rager

(724)850-5600 Project Manager

**Enclosures** 

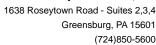
cc: Eric Ealy, Xcel Energy

Christine M. Keefe, Xcel Energy

Ciara Ruikkie, Pace Analytical Services - Field Svcs

Division







### **CERTIFICATIONS**

Project: 21-05223
Pace Project No.: 30452492

### Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

Alabama Certification #: 41590 Arizona Certification #: AZ0734 Arkansas Certification

California Certification #: 04222CA Colorado Certification #: PA01547 Connecticut Certification #: PH-0694

Delaware Certification EPA Region 4 DW Rad

Florida/TNI Certification #: E87683 Georgia Certification #: C040 Florida: Cert E871149 SEKS WET

Guam Certification Hawaii Certification Idaho Certification Illinois Certification Indiana Certification Iowa Certification #: 391

Kansas/TNI Certification #: E-10358 Kentucky Certification #: KY90133 KY WW Permit #: KY0098221 KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA180012 Louisiana DEQ/TNI Certification #: 4086

Maine Certification #: 2017020 Maryland Certification #: 308

Massachusetts Certification #: M-PA1457 Michigan/PADEP Certification #: 9991 Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249 Oregon/TNI Certification #: PA200002-010 Pennsylvania/TNI Certification #: 65-00282 Puerto Rico Certification #: PA01457 Rhode Island Certification #: 65-00282

South Dakota Certification
Tennessee Certification #: 02867

Texas/TNI Certification #: T104704188-17-3 Utah/TNI Certification #: PA014572017-9 USDA Soil Permit #: P330-17-00091 Vermont Dept. of Health: ID# VT-0282 Virgin Island/PADEP Certification Virginia/VELAP Certification #: 9526 Washington Certification #: C868 West Virginia DEP Certification #: 143 West Virginia DHHR Certification #: 9964C

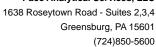
Wisconsin Approve List for Rad Wyoming Certification #: 8TMS-L



### **SAMPLE SUMMARY**

Project: 21-05223
Pace Project No.: 30452492

| Lab ID      | Sample ID    | Matrix | Date Collected | Date Received  |
|-------------|--------------|--------|----------------|----------------|
| 30452492001 | P-130        | Water  | 11/04/21 14:25 | 11/09/21 10:00 |
| 30452492002 | P-131        | Water  | 11/04/21 12:25 | 11/09/21 10:00 |
| 30452492003 | P-132        | Water  | 11/30/21 08:25 | 11/30/21 12:09 |
| 30452492004 | P-151        | Water  | 11/04/21 13:00 | 11/09/21 10:00 |
| 30452492005 | P-153        | Water  | 11/04/21 11:35 | 11/09/21 10:00 |
| 30452492006 | P-154A       | Water  | 11/04/21 11:00 | 11/09/21 10:00 |
| 30452492007 | P-162        | Water  | 11/30/21 08:00 | 11/30/21 12:09 |
| 30452492008 | P-163        | Water  | 11/04/21 09:30 | 11/09/21 10:00 |
| 30452492009 | P-164        | Water  | 11/04/21 10:00 | 11/09/21 10:00 |
| 30452492010 | P-165        | Water  | 11/03/21 09:45 | 11/09/21 10:00 |
| 30452492011 | DUPLICATE P3 | Water  | 11/03/21 09:45 | 11/09/21 10:00 |
| 30452492012 | RINSE P-3    | Water  | 11/03/21 09:50 | 11/09/21 10:00 |

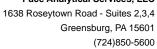




### **SAMPLE ANALYTE COUNT**

Project: 21-05223
Pace Project No.: 30452492

| Lab ID      | Sample ID    | Method                   | Analysts | Analytes<br>Reported | Laboratory |
|-------------|--------------|--------------------------|----------|----------------------|------------|
| 30452492001 | P-130        | EPA 903.1                | SLC      |                      | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492002 | P-131        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492003 | P-132        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492004 | P-151        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492005 | P-153        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492006 | P-154A       | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492007 | P-162        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492008 | P-163        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492009 | P-164        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492010 | P-165        | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492011 | DUPLICATE P3 | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |
| 30452492012 | RINSE P-3    | EPA 903.1                | SLC      | 1                    | PASI-PA    |
|             |              | EPA 904.0                | JC2      | 1                    | PASI-PA    |
|             |              | Total Radium Calculation | JAL      | 1                    | PASI-PA    |





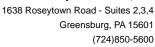
### **SAMPLE ANALYTE COUNT**

Project: 21-05223
Pace Project No.: 30452492

Analytes

Lab ID Sample ID Method Analysts Reported Laboratory

PASI-PA = Pace Analytical Services - Greensburg





### **PROJECT NARRATIVE**

Project: 21-05223
Pace Project No.: 30452492

Method: EPA 903.1

Description: 903.1 Radium 226

Client: Pace-MN Field Services Division

**Date:** January 06, 2022

### **General Information:**

12 samples were analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

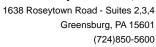
### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:





### **PROJECT NARRATIVE**

Project: 21-05223
Pace Project No.: 30452492

Method: EPA 904.0

Description: 904.0 Radium 228

Client: Pace-MN Field Services Division

Date: January 06, 2022

### **General Information:**

12 samples were analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

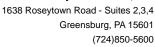
### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### Additional Comments:





### **PROJECT NARRATIVE**

Project: 21-05223
Pace Project No.: 30452492

Method: Total Radium Calculation
Description: Total Radium 228+226

Client: Pace-MN Field Services Division

**Date:** January 06, 2022

### **General Information:**

12 samples were analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### **Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

### **Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

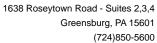
### **Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.



Project: 21-05223 Pace Project No.: 30452492

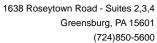
| Sample: P-130 | Lab ID: 30452               | <b>492001</b> Collected: 11/04/21 14:25 | Received: | 11/09/21 10:00 M | Matrix: Water |      |
|---------------|-----------------------------|-----------------------------------------|-----------|------------------|---------------|------|
| PWS:          | Site ID:                    | Sample Type:                            |           |                  |               |      |
| Parameters    | Method                      | Act ± Unc (MDC) Carr Trac               | Units     | Analyzed         | CAS No.       | Qual |
|               | Pace Analytical S           | Services - Greensburg                   |           | •                | -             |      |
| Radium-226    | EPA 903.1                   | -0.271 ± 0.413 (0.945)<br>C:NA T:101%   | pCi/L     | 12/29/21 16:40   | 13982-63-3    |      |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Radium-228    | EPA 904.0                   | -0.270 ± 0.285 (0.742)<br>C:68% T:92%   | pCi/L     | 01/05/22 14:21   | 15262-20-1    |      |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Total Radium  | Total Radium<br>Calculation | 0.000 ± 0.698 (1.69)                    | pCi/L     | 01/06/22 10:26   | 7440-14-4     |      |
| Sample: P-131 | Lab ID: 30452               |                                         | Received: | 11/09/21 10:00 M | Matrix: Water |      |
| PWS:          | Site ID:                    | Sample Type:                            |           |                  |               |      |
| Parameters    | Method                      | Act ± Unc (MDC) Carr Trac               | Units     | Analyzed         | CAS No.       | Qua  |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Radium-226    | EPA 903.1                   | 0.126 ± 0.464 (0.891)<br>C:NA T:97%     | pCi/L     | 12/29/21 16:40   | 13982-63-3    |      |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Radium-228    | EPA 904.0                   | -0.00436 ± 0.314 (0.736)<br>C:68% T:97% | pCi/L     | 01/05/22 14:21   | 15262-20-1    |      |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Total Radium  | Total Radium<br>Calculation | 0.126 ± 0.778 (1.63)                    | pCi/L     | 01/06/22 10:26   | 7440-14-4     |      |
| Sample: P-132 | Lab ID: 30452               |                                         | Received: | 11/30/21 12:09 M | Matrix: Water |      |
| PWS:          | Site ID:                    | Sample Type:                            |           |                  |               |      |
| Parameters    | Method                      | Act ± Unc (MDC) Carr Trac               | Units     | Analyzed         | CAS No.       | Qual |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Radium-226    | EPA 903.1                   | 0.124 ± 0.384 (0.743)<br>C:NA T:98%     | pCi/L     | 12/29/21 16:40   | 13982-63-3    |      |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Radium-228    | EPA 904.0                   | 0.0726 ± 0.388 (0.885)<br>C:67% T:89%   | pCi/L     | 01/05/22 14:22   | 15262-20-1    |      |
|               | Pace Analytical S           | Services - Greensburg                   |           |                  |               |      |
| Total Radium  | Total Radium<br>Calculation | 0.197 ± 0.772 (1.63)                    | pCi/L     | 01/06/22 10:26   | 7440-14-4     |      |





Project: 21-05223
Pace Project No.: 30452492

| Pace Project No.: 3045249 |                                  |                                                   |           |                  |              |      |
|---------------------------|----------------------------------|---------------------------------------------------|-----------|------------------|--------------|------|
| Sample: P-151<br>PWS:     | Lab ID: 30452<br>Site ID:        | 2492004 Collected: 11/04/21 13:00 Sample Type:    | Received: | 11/09/21 10:00 M | atrix: Water |      |
| Parameters                | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed         | CAS No.      | Qual |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Radium-226                | EPA 903.1                        | -0.179 ± 0.311 (0.784)<br>C:NA T:95%              | pCi/L     | 12/29/21 16:40   | 13982-63-3   |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Radium-228                | EPA 904.0                        | 0.628 ± 0.449 (0.865)<br>C:67% T:85%              | pCi/L     | 01/05/22 14:22   | 15262-20-1   |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Total Radium              | Total Radium<br>Calculation      | 0.628 ± 0.760 (1.65)                              | pCi/L     | 01/06/22 10:26   | 7440-14-4    |      |
| Sample: P-153 PWS:        | <b>Lab ID: 30452</b><br>Site ID: | 2492005 Collected: 11/04/21 11:35<br>Sample Type: | Received: | 11/09/21 10:00 M | atrix: Water |      |
| Parameters                | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed         | CAS No.      | Qual |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Radium-226                | EPA 903.1                        | 0.254 ± 0.584 (1.06)<br>C:NA T:98%                | pCi/L     | 12/29/21 16:40   | 13982-63-3   |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Radium-228                | EPA 904.0                        | 0.543 ± 0.368 (0.697)<br>C:73% T:91%              | pCi/L     | 01/05/22 14:22   | 15262-20-1   |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Total Radium              | Total Radium<br>Calculation      | 0.797 ± 0.952 (1.76)                              | pCi/L     | 01/06/22 10:26   | 7440-14-4    |      |
| Sample: P-154A            | Lab ID: 30452                    | 2492006 Collected: 11/04/21 11:00                 | Received: | 11/09/21 10:00 M | atrix: Water |      |
| PWS:                      | Site ID:                         | Sample Type:                                      |           |                  |              |      |
| Parameters                | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed         | CAS No.      | Qual |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Radium-226                | EPA 903.1                        | 0.0577 ± 0.408 (0.813)<br>C:NA T:95%              | pCi/L     | 12/29/21 16:40   | 13982-63-3   |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Radium-228                | EPA 904.0                        | 0.266 ± 0.365 (0.781)<br>C:72% T:88%              | pCi/L     | 01/05/22 14:22   | 15262-20-1   |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                  |              |      |
| Total Radium              | Total Radium<br>Calculation      | 0.324 ± 0.773 (1.59)                              | pCi/L     | 01/06/22 10:26   | 7440-14-4    |      |





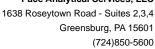
Project: 21-05223
Pace Project No.: 30452492

| Sample: P-162<br>PWS: | <b>Lab ID: 30452</b><br>Site ID: | 2492007 Collected: 11/30/21 08:00 Sample Type: | Received: | 11/30/21 12:09 | Matrix: Water |      |
|-----------------------|----------------------------------|------------------------------------------------|-----------|----------------|---------------|------|
| Parameters            | Method                           | Act ± Unc (MDC) Carr Trac                      | Units     | Analyzed       | CAS No.       | Qual |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Radium-226            | EPA 903.1                        | 0.285 ± 0.651 (0.386)<br>C:NA T:95%            | pCi/L     | 12/29/21 16:40 | 13982-63-3    |      |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Radium-228            | EPA 904.0                        | 0.650 ± 0.431 (0.822)<br>C:67% T:88%           | pCi/L     | 01/05/22 14:22 | 2 15262-20-1  |      |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Total Radium          | Total Radium<br>Calculation      | 0.935 ± 1.08 (1.21)                            | pCi/L     | 01/06/22 10:26 | 3 7440-14-4   |      |
| Sample: P-163<br>PWS: | <b>Lab ID: 30452</b><br>Site ID: | 2492008 Collected: 11/04/21 09:30 Sample Type: | Received: | 11/09/21 10:00 | Matrix: Water |      |
| Parameters            | Method                           | Act ± Unc (MDC) Carr Trac                      | Units     | Analyzed       | CAS No.       | Qual |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Radium-226            | EPA 903.1                        | -0.0538 ± 0.246 (0.580)<br>C:NA T:97%          | pCi/L     | 12/29/21 16:53 | 3 13982-63-3  |      |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Radium-228            | EPA 904.0                        | 0.292 ± 0.414 (0.888)<br>C:62% T:87%           | pCi/L     | 01/05/22 14:22 | 2 15262-20-1  |      |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Total Radium          | Total Radium<br>Calculation      | 0.292 ± 0.660 (1.47)                           | pCi/L     | 01/06/22 10:26 | 3 7440-14-4   |      |
| Sample: P-164         | Lab ID: 30452                    | 2492009 Collected: 11/04/21 10:00              | Received: | 11/09/21 10:00 | Matrix: Water |      |
| PWS:                  | Site ID:                         | Sample Type:                                   |           |                |               |      |
| Parameters            | Method                           | Act ± Unc (MDC) Carr Trac                      | Units     | Analyzed       | CAS No.       | Qual |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Radium-226            | EPA 903.1                        | 0.000 ± 0.321 (0.654)<br>C:NA T:90%            | pCi/L     | 12/29/21 16:53 | 3 13982-63-3  |      |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Radium-228            | EPA 904.0                        | 1.38 ± 0.755 (1.36)<br>C:60% T:62%             | pCi/L     | 01/05/22 14:22 | 2 15262-20-1  |      |
|                       | Pace Analytical S                | Services - Greensburg                          |           |                |               |      |
| Total Radium          | Total Radium<br>Calculation      | 1.38 ± 1.08 (2.01)                             | pCi/L     | 01/06/22 10:26 | 7440-14-4     |      |



Project: 21-05223
Pace Project No.: 30452492

| Sample: P-165<br>PWS:     | <b>Lab ID: 30452</b><br>Site ID: | 2492010 Collected: 11/03/21 09:45<br>Sample Type: | Received: | 11/09/21 10:00 | Matrix: Water |      |
|---------------------------|----------------------------------|---------------------------------------------------|-----------|----------------|---------------|------|
| Parameters                | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed       | CAS No.       | Qual |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Radium-226                | EPA 903.1                        | -0.226 ± 0.471 (1.03)<br>C:NA T:96%               | pCi/L     | 12/29/21 16:53 | 3 13982-63-3  |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Radium-228                | EPA 904.0                        | -0.246 ± 0.332 (0.823)<br>C:70% T:91%             | pCi/L     | 01/05/22 14:22 | 2 15262-20-1  |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Total Radium              | Total Radium<br>Calculation      | 0.000 ± 0.803 (1.85)                              | pCi/L     | 01/06/22 10:26 | 3 7440-14-4   |      |
| Sample: DUPLICATE P3 PWS: | <b>Lab ID: 30452</b><br>Site ID: | 492011 Collected: 11/03/21 09:45<br>Sample Type:  | Received: | 11/09/21 10:00 | Matrix: Water |      |
| Parameters                | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed       | CAS No.       | Qual |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Radium-226                | EPA 903.1                        | 0.262 ± 0.598 (0.354)<br>C:NA T:98%               | pCi/L     | 12/29/21 16:53 | 3 13982-63-3  |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Radium-228                | EPA 904.0                        | 0.236 ± 0.411 (0.898)<br>C:69% T:89%              | pCi/L     | 01/05/22 14:22 | 2 15262-20-1  |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Total Radium              | Total Radium<br>Calculation      | 0.498 ± 1.01 (1.25)                               | pCi/L     | 01/06/22 10:26 | 5 7440-14-4   |      |
| Sample: RINSE P-3         | Lab ID: 30452                    | 2492012 Collected: 11/03/21 09:50                 | Received: | 11/09/21 10:00 | Matrix: Water |      |
| PWS:                      | Site ID:                         | Sample Type:                                      |           |                |               |      |
| Parameters                | Method                           | Act ± Unc (MDC) Carr Trac                         | Units     | Analyzed       | CAS No.       | Qual |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Radium-226                | EPA 903.1                        | -0.0685 ± 0.313 (0.504)<br>C:NA T:93%             | pCi/L     | 12/29/21 16:53 | 3 13982-63-3  |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Radium-228                | EPA 904.0                        | 0.525 ± 0.394 (0.769)<br>C:72% T:83%              | pCi/L     | 01/05/22 14:22 | 2 15262-20-1  |      |
|                           | Pace Analytical S                | Services - Greensburg                             |           |                |               |      |
| Total Radium              | Total Radium<br>Calculation      | 0.525 ± 0.707 (1.27)                              | pCi/L     | 01/06/22 10:26 | 7440-14-4     |      |





### **QUALITY CONTROL - RADIOCHEMISTRY**

Project: 21-05223 Pace Project No.: 30452492

QC Batch: 475976 Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30452492001, 30452492002, 30452492003, 30452492004, 30452492005, 30452492006, 30452492007,

30452492008, 30452492009, 30452492010, 30452492011, 30452492012

METHOD BLANK: 2299152 Matrix: Water

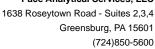
Associated Lab Samples: 30452492001, 30452492002, 30452492003, 30452492004, 30452492005, 30452492006, 30452492007,

30452492008, 30452492009, 30452492010, 30452492011, 30452492012

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-226
 0.485 ± 0.407 (0.583) C:NA T:92%
 pCi/L
 12/29/21 16:40

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





### **QUALITY CONTROL - RADIOCHEMISTRY**

Project: 21-05223 Pace Project No.: 30452492

QC Batch: 475977 Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30452492001, 30452492002, 30452492003, 30452492004, 30452492005, 30452492006, 30452492007,

30452492008, 30452492009, 30452492010, 30452492011, 30452492012

METHOD BLANK: 2299153 Matrix: Water

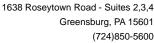
Associated Lab Samples: 30452492001, 30452492002, 30452492003, 30452492004, 30452492005, 30452492006, 30452492007,

30452492008, 30452492009, 30452492010, 30452492011, 30452492012

 Parameter
 Act ± Unc (MDC) Carr Trac
 Units
 Analyzed
 Qualifiers

 Radium-228
 0.195 ± 0.369 (0.811) C:66% T:84%
 pCi/L
 01/05/22 14:21

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.





### **QUALIFIERS**

Project: 21-05223
Pace Project No.: 30452492

### **DEFINITIONS**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

**DUP - Sample Duplicate** 

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Date: 01/06/2022 10:39 AM

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



| Section A | on A                                  | Section B                                              |                                           |          | Section C             | 0              |                    |                        |               |       |               |                                   |                                  |                                         |                   | Lu       | Page: 1           | oţ               | 2      |
|-----------|---------------------------------------|--------------------------------------------------------|-------------------------------------------|----------|-----------------------|----------------|--------------------|------------------------|---------------|-------|---------------|-----------------------------------|----------------------------------|-----------------------------------------|-------------------|----------|-------------------|------------------|--------|
| Requ      | Required Client Information:          | Required Project Information:                          | ct Information:                           |          | Invoice Information   | ormation:      |                    |                        |               |       |               |                                   |                                  |                                         |                   |          |                   |                  |        |
| Company:  | any: Xcel Energy                      | Report To:                                             | Chris Pelosi                              | 1 200    | Attention:            |                |                    | Ciar                   | Ciara Ruikkie | kie   |               |                                   |                                  |                                         | REGULATORY AGENCY | TORY A   | GENCY             |                  |        |
| Address:  | ss: c/o Pace MN Field                 | Copy To:                                               | Riley Jacobson                            | lo<br>Uo | Company Name:         | Vame:          | Pace MN            | Pace MN Field Services | rvices        |       |               |                                   | z<br>L                           | NPDES F                                 | GROUND WATER      | VATER J  | DRIIN             | DRINKING WATER   | ATER   |
|           | RADIUM                                |                                                        |                                           |          | Address:              |                | 1700 SE            | Elm St, Minneapolis,   | Minnea        |       | MN 55408      | m                                 | L                                | UST T                                   | RCRA              | <u>L</u> | ,<br>MHO          | OTHER MCES       | (V)    |
| Email To: | To: Chris Pelosi                      | Purchase Order No.:                                    | r No.:                                    |          | Pace Quote Reference: | e Referen      | ce:                |                        |               |       |               |                                   | S                                | SITE                                    | NC d              | <u> </u> | L<br>N            | .L               |        |
| Phone     | Phone: (612) 597-7254 Fax:            | Project Number                                         | 21-05 223                                 | 5        | Pace Project Manager: | ect Managi     | er:                | Carin Ferris           | erris         |       |               |                                   | 007                              | LOCATION                                | ᆼ                 | _los _l  | M.                | OTHER            | 8      |
| Regu      | Requested Due Date/TAT: 15 Days       | Project Name:                                          | Xcel Energy Sherco P                      | herco    | Ponds F               | onds Fall 2021 | Paco Prorito       | *.                     |               |       |               |                                   | Filtered (Y/N)                   | (N/N)                                   |                   | ///      | //                |                  |        |
|           | Section D Required Client Informetion | Valid Matrix Codes                                     | CODE                                      |          | - 4                   | COLLI          | COLLECTED          | 1.                     | anamana.      |       | Preservatives | atīves                            | Requested<br>Analysis:           | pa :                                    |                   |          |                   |                  |        |
|           | <b>1</b> 200                          | DRINKING WATER WATER WASTE WATER PRODUCT SOLUSOLID OIL |                                           | RIX CODE | B C=COW               |                |                    | A GAST ST              | LECTION       | L     |               |                                   | dendeng 188 diplote dan serianga | WINS 8226<br>0' \$96 V                  | NOS 87            |          | (VIX) entroll     |                  |        |
| # [/      | Sample IDs MUST BE UNIQUE             |                                                        |                                           | MAS      | COMPOSITE START       | TART           | COMPOSITE ENDIGRAB | Τ                      | 100           | Mese  |               | s <sub>O</sub> s                  | («Lohm'm                         | 4 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |                   |          | 5/65              | 0                | 2      |
| 1311      |                                       |                                                        | gund konnerk (j. gred                     |          | DATE                  | TIME           | DATE               | TIME                   |               |       | HCI<br>HNO    | IOSN<br>2 <sub>2</sub> 6M<br>Meth | eulo                             | 100 100                                 | ///               |          | _                 | Free Project No. | . I.D. |
| -         | P-130                                 |                                                        | >                                         | WT       | ,                     | '              | 111421             | SZHI                   | 2             |       | 2             |                                   | ×                                | ×                                       |                   |          | 9                 |                  |        |
| 2         | P-131                                 |                                                        | >                                         | WT G     |                       | ,              | 12/H/W             | 5221                   | . 2           |       | 2             |                                   | ×                                | ×                                       |                   |          | 8                 |                  |        |
| 69        | P-132                                 |                                                        | >                                         | WT. G    | ,                     | ١              | 14/3/21            | 855                    | 2             |       | 2             |                                   | ×                                | ×                                       |                   |          | 83                |                  |        |
| 4         | H-150                                 |                                                        |                                           | 6        |                       |                | 15. 15. A          | FICTY DOC NO SAMPLE    | 2             |       | 4             |                                   | ×                                | <br>*<br>*                              |                   |          |                   |                  |        |
| 5         | P-151                                 |                                                        |                                           | ۳. Fw    | ,                     | '              | 11/4/21            | 1300                   | 2             |       | 2             |                                   | ×                                | ×                                       |                   |          | QQ                |                  |        |
| ဖ         | P-152A                                |                                                        |                                           | b<br>W   |                       |                | WELL DRY           | WELL DRY NO SAMPLE     |               |       | 7             |                                   | ×                                | ××                                      |                   |          |                   |                  | 1      |
| ۲         | P-153                                 |                                                        | - Annanananananananananananananananananan | WT       | ,                     | ,              | 11/4/11            | 1135                   |               | 2     | 2             |                                   | ×                                | ×                                       |                   |          | S                 |                  |        |
| 80        | P-154A                                |                                                        |                                           | W Tw     | 1                     |                | 1440               | 1100                   |               | 2     | 2             |                                   | ×                                | ×                                       |                   |          | 8                 |                  |        |
| 6         | P-162                                 |                                                        |                                           | WT G     | ,                     | 1              | 12/14/11           | SH8                    |               | 2     | 2             |                                   | ×                                | ×                                       |                   |          | 8                 |                  |        |
| 9         | P-163                                 |                                                        |                                           | WT G     | •                     | •              | 12/14/11           | 930                    |               | 2     | 2             |                                   | ×                                | ×                                       |                   |          | Š                 |                  |        |
| Ŧ         | P-164                                 |                                                        | ***************************************   | WT G     | -                     | 1              | nHhi               | 1000                   |               | 2     | 2             |                                   | ×                                | ×                                       |                   |          | 9                 |                  |        |
| 12        | P-165                                 |                                                        | ***************************************   | WT       | ,                     | 1              | 11/3/घ             | 945                    |               | 2     | 2             |                                   | ×                                | ×                                       |                   |          | 2                 |                  |        |
| Addi      | Additional Comments:                  |                                                        | RELINQUISHED BY                           | E C      |                       | / AFFILIATION  | DATE               | TIME                   |               | CEPTE | BY/AF         | AGGEPTED BY / AFFILIATION         |                                  | DATE                                    | TIME              | SAMPI    | SAMPLE CONDITIONS | NOITIO           | S      |
|           |                                       |                                                        | Clark                                     | 2        | Pice                  | J              | 1/2/2              | 5460                   | 1             | C     | V V           |                                   | <u> </u>                         | 14-21                                   | 0:0               | ŧ        | D/Y               | (D)v             | N/C    |
|           |                                       |                                                        | 1                                         | 1        | , A                   |                | 1777               |                        | +             | ķ     | 3             | }                                 | l                                | _                                       |                   | F        | ì                 | ì                | 1      |

WO#:30452492

- e-File(ALLQ020rev.3,31Mar05))22Jur2005

Samples Intact Y/N

Custody Sealed Cooler

Received on Ice

O° ni qmaT

Riley Jacobson

SAMPLER NAME AND SIGNATURE

RINT Namo of SAMPLER:

SIGNATURE of SAMPLER:

N/A

N/A

N/A N/A N/λ

| Tal                                       | race Alialyucal<br>ww.pscelabs.com |                                                                        |                                            |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         | _                 |                   |                              |
|-------------------------------------------|------------------------------------|------------------------------------------------------------------------|--------------------------------------------|------------------|-----------------------------------|--------------------|------------------------|----------------------------------------------|---------------------|------------------------------------------------------|------------------------|-----------------------------------------|-------------------|-------------------|------------------------------|
| Section A<br>Required Client Information: | Information:                       | Section B<br>Required Proje                                            | Section B<br>Required Project Information: | o, <u></u>       | Section C<br>Invoice Information: | ë                  |                        |                                              |                     |                                                      |                        |                                         |                   | Page: 2           | of 2                         |
| Company:                                  | Xcel Energy                        | Report To:                                                             | Chris Pelosi                               |                  | Attention:                        |                    | Ciara                  | Ciara Ruikkie                                |                     |                                                      |                        | REGU                                    | REGULATORY AGENCY | AGENCY            |                              |
| Address:                                  | c/o Pace MN Field                  | Copy To:                                                               | Riley Jacobson                             |                  | Company Name:                     | Pace MN            | Pace MN Field Services | ices                                         |                     |                                                      | T NPDES                | Ŀ                                       | GROUND WATER T    |                   | DRINKING WATE                |
|                                           | RADIUM                             |                                                                        |                                            | <del> </del>     | Address:                          | 1700 SE            |                        | Elm St, Minneapolis,                         | , MN 55408          | 38                                                   | TSU L                  | T<br>RCRA                               | <del></del>       | F                 | OTHER MCES                   |
| Email To:                                 | Chris Pelosi                       | Purchase Order No.:                                                    | ar No.:                                    | <u> </u>         | Pace Quote Reference:             | ence:              |                        |                                              |                     |                                                      | SITE                   | <u>≥</u>                                | MN T IL T         | L                 | M.                           |
| Phone; (512) 597-7254                     | 254 Fax:                           | Project Number                                                         | 21-05223                                   | Ľ.               | Pace Project Manager:             | ager:              | Carin Ferris           | ris                                          |                     |                                                      | LOCATION               | <u> L</u>                               | Los Li Ho         | × ×               | OTHER                        |
| Requested Due Date/TAT:                   | 15 Days                            | Project Name:                                                          | Xcel Energy Sherco Ponds Fall 2021         | herco P.         | onds Fall 202                     | 1 Paca Provila#:   | #:                     | B. W. C. |                     |                                                      | Filtered (Y/N)         | ()                                      |                   |                   |                              |
| Section D                                 | Required Client Information        | Valid Matrix Codes                                                     |                                            |                  | TOO                               | COLLECTED          | Ţ                      | Sì                                           | Presei              | Preservatives                                        | Requested<br>Analysis: |                                         |                   |                   |                              |
|                                           | SAMPLE ID One Character per box.   | DRINKING WATER<br>WATER<br>WASTE WATER<br>PRODUCT<br>SOLL/SOLID<br>OIL | adoo Xia                                   | RIX CODE         |                                   |                    | A 9MBT 3.              | RBNIATNO                                     |                     |                                                      | ~~0.                   | NNS 826<br>0'796<br>1'50                |                   | (MIX) string      |                              |
| # M∃TI<br>∞                               |                                    |                                                                        |                                            | MAS<br>VRD=D     | COMPOSITE START DATE TIME         | COMPOSITE END/GRAB | iqM∧8                  |                                              | 1C)<br>100°<br>150° | VaOH<br>Va2S <sub>2</sub> O <sub>3</sub><br>Velhanol | 43 922 FB              | \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 1000              |                   | Pace Preject No.<br>Les I.D. |
| ,                                         | DUPLICATE P3                       | ũ                                                                      | 5                                          | ອ<br>Tw          | 1                                 | 10/3/21            | 54.5                   | 2                                            | 2                   |                                                      | ′ ×<br>′ ×             | ×                                       |                   |                   |                              |
| 2                                         | RINSE P-3                          |                                                                        | 5                                          | WT G             | 1                                 | 11/5/21            | asb                    | 2                                            | 2                   |                                                      | ×                      | ×                                       |                   | 450<br>150        |                              |
|                                           |                                    |                                                                        |                                            |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         |                   |                   |                              |
| 4                                         |                                    |                                                                        |                                            |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         |                   |                   |                              |
| 5                                         |                                    |                                                                        |                                            |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         |                   |                   |                              |
| 9                                         |                                    |                                                                        |                                            |                  |                                   |                    |                        | -                                            |                     |                                                      |                        |                                         |                   |                   |                              |
| 7                                         |                                    |                                                                        |                                            |                  | /                                 |                    |                        |                                              |                     |                                                      |                        |                                         |                   |                   |                              |
| 8                                         |                                    |                                                                        | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,     |                  |                                   |                    | 3                      |                                              |                     |                                                      |                        |                                         |                   |                   |                              |
| 6                                         |                                    |                                                                        | And the second                             |                  |                                   |                    |                        | *                                            |                     |                                                      |                        |                                         |                   |                   |                              |
| 10                                        |                                    |                                                                        | pirat francis                              |                  |                                   |                    |                        | ***************************************      |                     |                                                      |                        |                                         |                   |                   |                              |
| T.                                        |                                    |                                                                        |                                            |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         | 7                 | ,                 |                              |
| 12                                        |                                    |                                                                        |                                            |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         |                   |                   |                              |
| Additional Comments:                      | ments:                             |                                                                        | RELINQUISHED BY                            | MARCH ADMINISTRA | // AFFILIATION                    | V DATE             | TIME                   | ACCEPT                                       | ED BY / A           | ACCEPTED BY / AFFILIATION                            | B)ATTE                 | TIME                                    | SAMP              | SAMPLE CONDITIONS | TIONS                        |
|                                           |                                    |                                                                        | Rent                                       | , L              | Pars                              | uldr               | 2760                   | MANU                                         | AMDER IDE           | الم                                                  | 16 16 111              | 00:03                                   | 1                 | (B)/              | 1√⊗                          |
|                                           |                                    |                                                                        | 20                                         |                  |                                   |                    |                        | )                                            |                     |                                                      |                        |                                         |                   | <del> </del>      | $\vdash$                     |
|                                           |                                    |                                                                        |                                            |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         |                   | N/A               | N/A<br>N/A                   |
|                                           | MO#: 30452492                      | 1452                                                                   | <b>267</b>                                 |                  |                                   |                    |                        |                                              |                     |                                                      |                        |                                         |                   |                   | -                            |
|                                           |                                    |                                                                        |                                            |                  | õ                                 | A DAMAIN CO. IC    | P S C I C              |                                              |                     |                                                      |                        |                                         |                   | -                 | T:                           |

e-File(ALLQ020rev.3,31Mar05))22Jun2005

Samples Intact

Custody Sealed Cooler

Received on

O° ni qmaT

DATE Signod (MM/DD/YY)
N/2/Li

SAMPLER NAME AND SIGNATURE

Due Date: 12/02/21

CLIENT: PaceMN Field

PM: MAR

ج ا

SIGNATURE of SAMPLER:

Pittsburgh Lab Sample Condition Upon Receipt Client Name: Lel Gnorgy Project # Courier: Fed Ex UPS USPS Client Commercial Pace Other Tracking #: 9550 9949 4012 LIMS Login Custody Seal on Cooler/Box Present: ves Seals intact: Thermometer Used Type of Ice: Wet Blue ( None ) Correction Factor: C Final Temp: Cooler Temperature Observed Temp Temp should be above freezing to 6°C pH paper Lot# Date and initials of person examining contents: リンカン・シャ 1003801 Comments: N/A Yes No Chain of Custody Present: Chain of Custody Filled Out: Chain of Custody Relinquished: Sampler Name & Signature on COC: Sample Labels match COC: -Includes date/time/ID Matrix: Samples Arrived within Hold Time: Short Hold Time Analysis (<72hr remaining): Rush Turn Around Time Requested: 8, Sufficient Volume: 9. Correct Containers Used: 10. -Pace Containers Used: Containers Intact: 11. Orthophosphate field filtered 12. Hex Cr Aqueous sample field filtered 13. Organic Samples checked for dechlorination: 14. Filtered volume received for Dissolved tests All containers have been checked for preservation. 16. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix Initial when this All containers meet method preservation Date/time of requirements. completed Lot # of added preservative Headspace in VOA Vials ( >6mm): 17. Trip Blank Present: 18. Trip Blank Custody Seals Present Rad Samples Screened < 0.5 mrem/hr Initial when Date: NGO 2 Client Notification/ Resolution: Person Contacted: Date/Time: Contacted By: Comments/ Resolution:

A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

\*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical

DRINKING WATER Pace Project No. Lab LD. N/A N/A N/A OTHER SAMPLE CONDITIONS OTHER MCES ₽ N/A N/X N/A N/A L Z REGULATORY AGENCY <u>≥</u> ≷ Page: 1 N/A N/A N/A N/A <u>|</u>\_ ✓ GROUND WATER SC L... Ν P 250 1209 TIME ιĿ *(63*6 RCRA L 0.438 EPA 902, A LOCATION 11/30/24 Filtered (Y/N) 11/30/21 NPDES DATE SITE UST 19-1-21 Requested Analysis: × GZ. төиіС ACCEPTED BY / AFFILIATION Methanol ુર હ Tone <sub>2</sub>O<sub>2</sub>S<sub>2</sub>by HOB 1700 SE Elm St, Minneapolis, MN 55408 ICI Ŋ €ON⊦ N OS2I ремесения Ciara Ruikkie 7 N Tom Halverson # OF CONTAINERS Pace MN Field Services COLLECTION TA 9MBT 3J9MA2 120 TIME 1200 380 8280 TIME COMPOSITE END/GRAB Pace Profile #: 1/20/21 11/30/21 DATE <u>:[8</u>[2 DATE <u>2</u> <u>8</u> COLLECTED Pace Quote Reference: Pace Project Manager: RELINQUISHED BY / AFFILIATION IIME Invoice information: Ì 3 Company Name: Sherco Ponds Fall 2021 RE COMPOSITE START Section C DATE Attention: Address: ) SAMPLE TYPE G=GRAB C=COMP ტ Ø Riley Jacobson Σ× ₹ MATRIX CODE Chris Pelosi Required Project Information: Purchase Order No.: Project Number Project Name: WO#: 30452492 MATRIX
DENICAD WATER
WASTE WASTE WASTE WASTE SOLUSOLID
OIL Section B Report To: Copy To: Required Client Information P-132 P-162 2 Weeks One Character per box. (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE c/o Pace MN Field SAMPLE ID Chris Pelosi Xcel Energy RADIUM Fax: Required Client Information: Requested Due Date/TAT: Section D Additional Comments: Phone: (612) 597-7254 Section A Company: Email To: Address: 10 12 9 1 8 6 -4 # Mati

e-File(ALLQ020rev.3,31Mar05))22Jun2005

11/30/21

DATE Signed (MM / DD / YY)

1ley bestocar

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: SIGNATURE of SAMPLER:

Due Date: 12/21/21

CLIENT: PaceMN Field

Samples Intact

Sealed Coole

Custody

eoi

Received on

J° ni qmaT

| Pittsburgh Lab Sample Cond                                          | ition    | Upo     | n Re         | eceipt                         |                                         |                            |
|---------------------------------------------------------------------|----------|---------|--------------|--------------------------------|-----------------------------------------|----------------------------|
| Pace Analytical Client Name:                                        |          | X(e     | 2            | enegy                          | _ Project #                             |                            |
| Courier: Fed Ex UPS USPS Clie                                       | nt 🗀     | Comm    | ercial       | Page Other                     |                                         | Label MA                   |
| Tracking #: 7735 46436558                                           |          | Commi   | iei ciai     | L race Office                  |                                         | Label 1/2/<br>LIMS Login   |
| Custody Seal on Cooler/Box Present:  yes                            | -E 1     | no      | Seal         | s intact;                      | ⊡no                                     | <u> </u>                   |
| Thermometer Used                                                    | Туре     | of Ice: | : We         | t Blue (Vone                   |                                         |                            |
| Cooler Temperature Observed Temp                                    | _        | ° C     | Corr         | ection Factor:                 | - °C Final                              | Temp:                      |
| emp should be above freezing to 6°C                                 |          | •       |              |                                |                                         |                            |
|                                                                     |          |         |              | pH paper Lot#                  | Date and contents                       | initials of person examini |
| Comments:                                                           | Yes      | No      | N/A          | (0)2/801                       |                                         | Jec 1)-1-11                |
| Chain of Custody Present:                                           | ~~       |         | <u> </u>     | 1.                             |                                         |                            |
| chain of Custody Filled Out:                                        | <u> </u> |         | ļ            | 2.                             |                                         |                            |
| Chain of Custody Relinquished:                                      |          |         | <u> </u>     | 3.                             |                                         |                            |
| Sampler Name & Signature on COC:                                    | ~        |         |              | 4.                             |                                         |                            |
| Sample Labels match COC:                                            | L        |         |              | 5.                             |                                         |                            |
| -Includes date/time/ID Matrix:                                      | M        |         | <del>.</del> |                                |                                         |                            |
| amples Arrived within Hold Time:                                    |          |         |              | 6.                             | *************************************** |                            |
| hort Hold Time Analysis (<72hr remaining):                          |          | -       |              | 7.                             |                                         |                            |
| lush Тигл Around Time Requested:                                    |          |         |              | 8.                             |                                         |                            |
| ufficient Volume:                                                   | )        |         |              | 9.                             |                                         |                            |
| orrect Containers Used:                                             | -        |         |              | 10.                            |                                         |                            |
| -Pace Containers Used:                                              | -        |         |              | ]                              |                                         |                            |
| ontainers Intact:                                                   | -        |         |              | 11.                            |                                         |                            |
| rthophosphate field filtered                                        |          |         | -            | 12.                            |                                         |                            |
| ex Cr Aqueous sample field filtered                                 |          |         |              | 13.                            |                                         |                            |
| Organic Samples checked for dechlorination:                         |          |         | <u> </u>     | 14.                            |                                         |                            |
| iltered volume received for Dissolved tests                         |          |         |              | 15.                            |                                         |                            |
| containers have been checked for preservation.                      |          |         |              | 16.                            |                                         |                            |
| cceptions: VOA, coliform, TOC, O&G, Phenolics,<br>on-aqueous matrix | Radon,   |         |              | pHon                           |                                         |                            |
| l containers meet method preservation quirements.                   |          |         |              | Initial when completed         | Date/time of preservation               |                            |
|                                                                     |          |         |              | Lot # of added<br>preservative |                                         |                            |
| eadspace in VOA Vials ( >6mm):                                      |          |         | _            | 17.                            |                                         |                            |
| ip Blank Present:                                                   |          |         | _            | 18.                            |                                         |                            |
| ip Blank Custody Seals Present                                      |          |         | _            | . 10.                          |                                         |                            |
| ad Samples Screened < 0.5 mrem/hr                                   |          |         |              | Initial when completed:        | Date:                                   | Survey Meter<br>SN: 1563   |
| ient Notification/ Resolution:                                      |          |         |              |                                |                                         |                            |
| Person Contacted:                                                   |          | 1       | Date/T       | ime:                           | Contact                                 | ed By:                     |
| Comments/ Resolution:                                               |          |         |              |                                |                                         |                            |
|                                                                     |          |         |              |                                |                                         |                            |
|                                                                     |          |         |              |                                |                                         |                            |
|                                                                     | <b></b>  |         |              |                                |                                         |                            |
|                                                                     |          |         |              |                                |                                         |                            |

D O A

a O D

O,

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

\*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.