Memorandum

To: Mr. Derek Kannenberg, North Dakota Department of Health

Date: December 13, 2018

From: Kurt Herman, Gradient

Subject: Remedy Completion Memorandum, United Refrigeration, Inc. Property, Fargo MGP Site, Fargo, North Dakota

The objective of this memorandum is to document the outcome of the remedial action undertaken at the United Refrigeration, Inc. Property ("URI Property") to address impacts associated with the Fargo Manufactured Gas Plant (MGP) Site. As discussed below and in the Barr technical memorandum, the remedial action was completed in accordance with the North Dakota Department of Health (NDDH)-approved Remedial Action Work Plan (RAWP; Barr, 2017[1]) and Remedial Investigation/Focused Feasibility Study (RI/FFS), and pursuant to the requirements of North Dakota Century Code §23-20.03 for receiving a Site-specific No Further Remediation determination from NDDH for MGP-related constituents (active remediation has been completed, but monitoring will continue pursuant to the Site-specific Long-term Monitoring [LTM] plan [Gradient, 2017[2]]).

1 Background

Remedial Investigation

The former MGP operated from approximately 1885-1960 on the north side of Northern Pacific (NP) Avenue between 11th Street North and North University Drive. Northern States Power Company (NSP) completed a multi-media environmental site assessment of the Fargo MGP Site and adjoining properties, including the URI Property, in accordance with NDDH-approved work plans (see Gradient, 2016[3]). Consistent with NDDH requirements for Phase I and Phase II environmental investigations (North Dakota Century Code §23-20.03), the horizontal and vertical extent of MGP-related impacts to soil and groundwater was sufficiently delineated, receptors were identified and evaluated, the nature of the contaminants of concern were characterized, past and current Site uses were evaluated, and the Site hydrogeology and water use were adequately defined at the URI Property (Gradient, 2016[3]; NDDH, 2017a[4]).

[1] Barr Engineering Co. (Barr). 2017. "Remedial Action Work Plan – Fargo MGP Site United Refrigeration, Inc. Property, Fargo, Cass County, North Dakota." Report to Northern States Power Co. 19p., June 9.
[2] Gradient. 2017. "Long-term Monitoring Plan, Fargo Manufactured Gas Plant (MGP) and Vicinity, Fargo, Cass County, North Dakota." Report to Northern States Power Co. 25p., March.
[3] Gradient. 2016. "Remedial Investigation and Focused Feasibility Study, Fargo Manufactured Gas Plant (MGP) and Vicinity, Fargo, Cass County, North Dakota." Report to Northern States Power Co. 1361p., November 29.
[4] North Dakota Dept. of Health (NDDH). 2017a. Letter to M. Nisbet (Xcel Energy - North Dakota) and T. Coss (Xcel Energy) from C. Erickson (NDDOH) re: RI/FFS Report, Fargo MGP. 2p., January 20.

Risk Evaluation

A human health risk evaluation was performed as part of the RI/FFS (Gradient, 2016[3]). The risk evaluation concluded that there are no unacceptable risks to human health based on current conditions for the URI Property. However, the risk assessment identified elevated risks associated with future potential exposures to impacted soil and groundwater for a Construction Worker for the URI Property.

Risk-based Clean-up Goals

As part of the RI/FFS (Gradient, 2016[3]), risk-based cleanup goals (CUGs) were developed for risk-driving MGP constituents of concern. Risk-drivers were defined as any compound that contributed significantly (*i.e.*, individual hazard index [HI] of >0.5 or cancer risk of $>1 \times 10^{-5}$) to an exceedance of the United States Environmental Protection Agency (US EPA) target risk range (HI of 1 or cancer risk of 1×10^{-6} to 1×10^{-4}) for a particular receptor and exposure pathway. For each risk-driver, a post-remediation target of the 95% upper confidence limit on the mean (UCLM) concentration was identified that would achieve an individual compound HI of <0.5 and a cancer risk of $\leq 1 \times 10^{-6}$. This target 95% UCLM is the CUG that is to be achieved on <u>average</u>.

The CUG for each contaminant represents an average over the exposure area. Sampling data for each property comprising the Site and its vicinity show that there is a distribution of many different concentrations of each constituent (*i.e.*, a "data distribution"). To ensure that the CUG is met on average, a Not-to-Exceed (NTE) value was also determined for each risk-driving chemical. These NTE values represent upper-end values of the data distribution that will satisfy the requirement that CUGs are met on average. These NTE values were used to design targeted remediation areas by comparing the NTE value to individual sampling results (which cannot be done using a CUG that is based on some type of average). See Gradient (2016[3]) for further details.

Focused Feasibility Study

A detailed analysis of remediation alternatives was performed in the FFS. This analysis concluded that Targeted Source Removal, which included excavation and proper disposal of impacted soils in the vicinity of MGP piping and removal and/or grouting of the pipes, was the preferred remedial approach for the URI Property. In addition, the use of institutional and engineering controls would allow for the long-term management of any residual risks.

NDDH approved the RI, risk evaluation, and FFS as the basis for remedial action on January 20, 2017 (NDDH, 2017a[4]).

Long-term Monitoring Plan

A Site-wide monitoring program is underway to assess the stability and attenuation of impacts during and after remedy implementation. An LTM plan was approved by NDDH on March 28, 2017 (NDDH, 2017b[5]) and may be amended from time to time with approval from NDDH.[6]

[5] North Dakota Dept. of Health (NDDH). 2017b. Letter to T. Coss (Xcel Energy) from C. Erickson (NDDOH) re: Approval of Long-term Monitoring Plan, Fargo Manufactured Gas Plant (MGP) and Vicinity, Fargo, Cass County, North Dakota. 1p., March 28.

[6] Proposed modification to the LTM plan, *i.e.*, the abandonment of all except one well north of the URI Property, was presented to and approved by NDDH in March 2018. Additional revisions to the LTM plan may be needed in the future.

Remedial Action Work Plan

A RAWP (Barr, 2017[1]) specific to the URI Property was approved by NDDH to address environmental impacts related to historical Site activities. NDDH approved the RAWP on June 16, 2017 (NDDH, 2017c[7]).

2 Remedy Implementation/Completion

Pursuant to the requirements of North Dakota Century Code §23-20.03, NSP implemented the NDDH-approved remediation plan described in the RI/FFS and RAWP. The Barr technical memorandum provides details on the successful remedy implementation.

Post-remediation Risk Evaluation and Remedial Action Objective Attainment

Post-remediation sampling results show attainment of remedial action objectives (RAOs; Table 1). The targeted remedial action removed the bulk of the source material and eliminated the potential preferential pathway associated with the piping encountered under the URI Property parking lot, such that the risk of future potential direct exposure for a Construction Worker is significantly and appropriately mitigated. The post-remediation sampling results showed that the concentrations of MGP-related constituents in sidewall and base samples were non-detect or relatively low (Table 4 of the Barr memorandum). Any detections of potential MGP constituents (*e.g.*, 2-methylnaphthalene, naphthalene, benzene, diesel range organics [DRO], and gasoline range organics [GRO]) were below their respective NTE values. The extent of the excavation was constrained by existing structures to the west and north and by prior excavations to the east and south. The orange marker layer placed at the bottom of the east side of the excavation (see the Barr technical memorandum) will indicate to future workers that excavation in the area below the depth of the marker layer would require following a soil and groundwater management plan (see attached letter agreements and institutional control plans).

[7] North Dakota Dept. of Health (NDDH). 2017c. Letter to T. Coss (Xcel Energy) from C. Erickson (NDDOH) re: Remedial Action Work Plan – Fargo MGP Site, United Refrigeration, Inc. Property. 1p., June 16.

Table 1 Basis for Attainment of Remedial Action Objectives

Remedial Action Objective	Basis for Attainment
Surface Soil, Subsurface Soil, and Groundwater: Control the potential for direct exposure to impacted soil and/or impacted groundwater at levels that may pose unacceptable human health risks to current and future potential receptors based on reasonably anticipated land use (*i.e.*, prevent exposure to chemicals posing an HI >1 and a lifetime excess cancer risk >1 × 10^{-6} for individual carcinogens or >1 × 10^{-5} for multiple carcinogens).	Targeted removal of source material and impacted soil from the URI Property parking lot has reduced the risk of future potential direct exposure for a Construction Worker. Institutional/engineering controls will manage residual risks associated with impacted soil and groundwater.
Source Material (NAPL and Heavily Impacted Soil): Reduce the mass, volume, and/or mobility through treatment or removal and off-Site disposal, as practicable based on property-specific conditions. This will, in turn, help achieve attenuation and stability of the groundwater and soil gas impacts (see below). Achieve attenuation and stability of subsurface NAPL.	Targeted remedial action removed the bulk of the source material in the URI Property parking lot, thus reducing the driving head for subsurface NAPL migration and allowing for long-term attenuation/ stabilization of any residuals. Legacy MGP piping (*i.e.*, no longer regularly maintained or used) beneath the URI parking lot that could potentially serve as a preferential pathway for constituent migration has been removed or grouted at the URI building limits. Small sections of MGP piping that extend under the alley to the south of the parking lot were grouted in place and are not expected to serve as preferential pathways. The remnant of the gas holder under the URI building is not expected to be a source of contamination or a preferential pathway, because multiple rounds of sub-slab soil gas sampling data collected from beneath the building showed no significant impacts in this area (Gradient, 2016[3]).
Groundwater: Achieve attenuation and stability of impacted groundwater associated with MGP source material.	Removal of source material and impacted soil will result in long-term stabilization and attenuation of impacted groundwater and soil gas. An LTM plan is being implemented to monitor the long-term attenuation and stabilization of groundwater.
Soil Gas: As necessary, protect potential receptors from exposure to potential MGP constituents that may pose a human health risk *via* the vapor intrusion pathway. Achieve attenuation and stability of impacted soil gas associated with potential MGP source material and impacted groundwater.	

Notes:
HI = Hazard Index; LTM = Long-term Monitoring; MGP = Manufactured Gas Plant; NAPL = Non-aqueous Phase Liquid; RI/FFS = Remedial Investigation/Focused Feasibility Study; URI = United Refrigeration, Inc.

Risks, if any, associated with residual source material and impacted media left in place on the URI Property will be addressed through institutional and engineering controls. The attached letter agreements and institutional control plans outline the institutional controls for these properties. Any future construction on the southern portion of the URI Property would be through up to 11 feet of clean fill. An orange marker layer has been placed at the bottom of the east side of the excavation where field screening indicated potential residual impacts (see Barr technical memorandum). If construction occurs in this area below this depth horizon, as delineated by the marker layer, the soil and groundwater management plan must be followed to ensure that residual risks are properly managed.

Further, the LTM plan (as may be amended) will be implemented to monitor the long-term attenuation and stability of groundwater and soil vapor.

3 Unanticipated Conditions Encountered During Remedial Action

No unanticipated conditions were encountered during remedial action at the URI Property.

4 Conclusion

The NDDH-approved RAWP was successfully implemented at the URI Property. NSP has satisfied the environmental assessment and remediation requirements of North Dakota Century Code §23-20.03 for a No Further Remediation letter and plans to continue monitoring the Site consistent with the NDDH-approved LTM plan.

Attachment (Omitted)

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Technical Memorandum

To: Northern States Power Company
From: Barr Engineering Co.
Subject: Remedial Action Documentation – United Refrigeration, Inc. Property
Date: December 13, 2018
Project: Fargo MGP Site

This Remedial Action Documentation memorandum has been prepared by Barr Engineering Co. (Barr), on behalf of Northern States Power Co. (NSP), to summarize remedial activities completed at the United Refrigeration, Inc. property (URI Property; Figure 1). These remedial activities are a component of the North Dakota Department of Health (NDDH) approved remedial action for the former manufactured gas plant (MGP) that was primarily located at 11 12th Street North in Fargo, North Dakota (Site). A Remedial Action Work Plan (RAWP; Barr, 2017), specific to the URI Property was approved by the NDDH to address environmental impacts related to historical activities.

Targeted source removal, which included excavating and properly disposing impacted materials, and removing or grouting former MGP piping that may serve as preferential pathways, was approved by the NDDH as the remedy to meet the remedial objectives for the URI Property. The remedial work at the URI Property is complete and was performed in accordance with the RAWP and Soil Management Plan (Barr, 2017; and Barr, 2018a and 2018b). The following sections detail response action activities completed at the URI Property.

Pre-Remedy Monitoring

Prior to remedial action implementation, perimeter air monitoring samples and groundwater samples were collected by Barr to document pre-remedy conditions. Pre-remedy Site conditions are shown on Figure 2.

Monitoring wells MW-URI-01D and MW-URI-04S (see Figure 2) were sampled on June 20, 2018. Groundwater samples were submitted to Legend Technical Services, Inc. (Laboratory) where they were analyzed for benzene, 1,2,4-trimethylebenzene (TMB), and 1,3,5-TMB by EPA method 8260B, naphthalene by EPA method 8270D, and TPH, reported as diesel range organics (DRO)/gasoline range organics (GRO), by EPA methods 9012B and 8015D, respectively, in accordance with the RAWP. The groundwater samples were collected in general accordance with Barr's standard operation procedure (SOP) for groundwater sample collection which is included in the Quality Assurance Project Plan (QAPP; Barr, 2016) Groundwater analytical results are summarized in Table 1. Field forms and analytical reports are included in Attachment 1 and Attachment 2, respectively.

Perimeter air monitoring samples were collected on June 20, 2018, from monitoring stations OA1 through OA8 (see Figure 3). The perimeter air samples for laboratory analysis were collected in general accordance with Barr's SOP for collection of indoor and ambient air samples using evacuated canisters which is included in the QAPP (Barr, 2016). The samples were submitted to the Laboratory for chemical analysis for benzene, naphthalene, 1,2,4-TMB, and 1,3,5-TMB using EPA Toxic Organics Method-15 (TO-15) in accordance with the RAWP.

In addition to the laboratory samples, field measurements from a photoionization detector (PID), a personal dust monitor, a sound decibel meter and a 4-gas meter measuring hydrogen sulfide, carbon monoxide, and oxygen, and lower explosive limit (LEL) were also recorded. The laboratory results are summarized in Table 2 and the field measurements are provided in Attachment 3.

General Operations

NSP contracted with Veit and Company, Inc. (Contractor) to implement the remedial actions. The Contractor prepared a Health Site Safety Plan which addressed the requirements of Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120).

The URI Property was restricted to authorized and trained personnel by the Contractor. Fencing was installed at the construction limits to restrict access. Erosion control measures were implemented to protect surface water quality in the surrounding areas. Storm water was diverted from impacted materials in open excavations to reduce impacted water generation.

During the earthwork activities, Barr was responsible for field screening and managing soils, collecting samples, assisting the Contractor with verifying potential contingency items, sampling and screening imported backfill soils, and documenting air quality around the perimeter. Pertinent photographs of the work are included as Attachment 4.

Project Preparation

Preexisting conditions within the excavation area included a paved parking lot as shown on Figure 2. Monitoring wells MW-URI-01D and MW-URI-04S were permanently sealed prior to soil excavation activities. The well sealing records are included in Attachment 1.

Veit and/or Barr obtained the necessary state, county, and city permits prior to performing the earthwork as detailed in the project specifications. Signs, barricades, and construction fencing were utilized, as needed, to control the work area.

Erosion control devices including, but not limited to, storm water inlet protection, rock construction entrances, construction mats, and erosion control logs, were used to reduce erosion and transport of materials offsite during excavation work. Adjacent street surfaces were swept daily or more frequently as necessary to limit sediment runoff.

Dewatering of the excavation occurred when water was encountered in the MGP pipes or had accumulated after rainfall events. Water, regardless of the source, which accumulated within the excavation was pumped into a large polyethylene transfer tank and then transferred to a large steel storage tank for treatment through granular activated carbon (GAC) filters prior to sampling and approval by the City of Fargo (City) for discharge to the sanitary sewer.

Targeted Source Removal and Disposal

Following preparation activities, approximately 1,645 tons of impacted soil and remnant MGP distribution piping were excavated (up to 11 feet below ground surface). The excavation extent is shown on Figure 4 and excavation details, remnant MGP features removed, and final grading are included in the record drawings in Attachment 5. The impacted soil and remnant MGP distribution piping were transported offsite for disposal at Vonco II landfill in Becker, Minnesota. The waste profile, disposal manifests, and weight summary are included as Attachment 6.

Field screening of soils was performed periodically during excavation work by Barr staff to document excavation base and sidewall conditions prior to backfilling. Field screening observations included the presence and type of debris, odor, soil vapor headspace readings (organic vapors using a PID equipped with a 10.6 eV lamp), and visual examination for discoloration and hydrocarbon sheen. Soil sample field screening results were generally consistent with previous investigations (clayey soils, some odors, staining, and elevated headspace readings) and are included in Attachment 1.

Eleven base of excavation (designated with "BS") and one sidewall (designated with "SW") analytical samples were collected at locations shown on Figure 4 and submitted to the Laboratory for volatile organic compounds (VOCs) by EPA method 8260B, semi-volatile organic compounds (SVOCs) by EPA method 8270D, and TPH, reported as GRO/DRO by EPA methods 9012B and 8015D, respectively, in accordance with the RAWP. Note that excavation sidewall samples were limited by the following constraints:

- East – This area was within the limits of the 12th St N excavation that followed the URI excavation;
- West – A concrete sub-grade wall supporting a former URI loading dock was present which limited excavation to the west and no sidewall soils were present;
- North – This area was limited by a concrete footing wall except for the eastern portion which is represented by sidewall sample URI-SW52; and
- South – This area was previously excavated and backfilled with clean fill in 2017 in conjunction with the installation of a new storm sewer within the city alleyway.

A summary of soil samples collected and sample results are provided in Tables 3 and 4; respectively. Laboratory reports are included as Attachment 2. Soil samples collected at the extent of the excavation were below the Not to Exceed (NTE) values (Remedial Investigation/Focused Feasibility Study, Gradient 2016) for the Site. Post excavation soil sample results are provided in Attachment 7.

The final excavation extents were surveyed and an orange marker layer (i.e. construction fencing or fabric) was placed at the base of excavation where residual impacts remained based on field observations and physical limitations in accordance with the RAWP. The excavation extent is shown on Figure 4 and excavation and final grading record drawings are included as Attachment 5.

Air Monitoring and Dust/Odor Control

During remedy implementation, air monitoring was conducted within the work zone and at the downwind perimeter of the work zone for indicator contaminants with thresholds for exposure (i.e., benzene and naphthalene), odor, and dust. The monitoring results were recorded and posted on a project website during implementation (https://www.barr.com/maps/FargoMGPAirMonitoring) and are now summarized in Attachment 3.

An analytical sample was collected at OA3 during source removal activities at the URI Property. The sample was submitted to the Laboratory for chemical analysis for benzene, naphthalene, 1,2,4-TMB, and 1,3,5-TMB using EPA method TO-15. Analytical sample results are included in Table 2. None of the analyzed parameters were detected with the exception of 1,2,4-TMB near the detection limit, consistent with the pre-remedy background monitoring concentration reported at OA1.

The monitoring methods, equipment, specification, frequency, and action levels are summarized in the RAWP (Barr, 2017).

Restoration

Approximately 1,200 yards of clean backfill soil was imported and placed within the URI Property. Native, low-permeability backfill was sourced from a stockpile of excess soil located north of 209 Wall Street Avenue NW in Moorhead, MN. The backfill was generated during the construction of a diversion pond performed by the Buffalo – Red River Watershed District. Approximately 18 inches of gravel was placed above the low-permeability backfill and compacted to grade in accordance with the project specifications. In general, backfill was placed in 6-inch lifts and compacted to 95% of Standard Proctor density. Imported soil was tested in accordance with the RAWP. A total of 18 soil samples were collected and analyzed for VOCs, SVOCs, GRO, and DRO. The soil sample results were below the laboratory reporting limits and NTE values (see Table 5).

The excavation was backfilled as work progressed to maintain excavation stability and protect nearby buildings. Ground surfaces were restored to pre-existing grades and paved. Controlled density fill (CDF), a self-compacting cementitious material, was used to plug 2 short segments of MGP pipes left beneath the approach to the alley from 12th St N. Record drawings showing final grade are included as Attachment 5.

Remarks

The response action activities were completed in accordance with the RAWP. Please contact Rob Heimbach at (952) 832-2739 (rheimbach@barr.com) or Mary Sands at (952) 832-2718 (msands@barr.com) with any questions or comments.

Enclosures

Table 1 – Pre-Remedy Analytical Groundwater Monitoring Data
Table 2 – Analytical Air Monitoring Data
Table 3 – Analytical Soil Sample Summary
Table 4 – Excavation Extents Analytical Soil Data
Table 5 – Backfill Analytical Soil Data

Figure 1 – Property Location
Figure 2 – Preexisting Conditions
Figure 3 – Air Monitoring Stations
Figure 4 – Source Removal Extents

Attachment 1 – Field Documentation
Attachment 2 – Lab Reports (CD Copy Only)
Attachment 3 – Perimeter Air Monitoring Data
Attachment 4 – Photolog
Attachment 5 – Record Drawings
Attachment 6 – Soil Disposal Documentation
Attachment 7 – Post Excavation Soil Sample Results

References

Barr, 2018a. Soil Management Plan – Fargo MGP Site, Fargo, Cass County, North Dakota. Prepared for Northern States Power Company. June 19, 2018.

Barr, 2018b Remedial Action Work Plan – Revision 01 Addendum – Fargo MGP Site, Fargo, Cass County, North Dakota. Prepared for Northern States Power Company. June 25, 2018.

Barr, 2017. Remedial Action Work Plan – Fargo MGP Site, Historic Union and Culligan Properties – Revision 01, Fargo, Cass County, North Dakota. Prepared for Northern States Power Company. April 20, 2017.

Barr, 2016. Quality Assurance Project Plan, Former Fargo MGP Site Fargo, North Dakota., Revision 1. Prepared for Northern States Power Company. April, 2016.

Gradient, 2016. Remedial Investigation and Focused Feasibility Study, Fargo MGP and Vicinity, Prepared for Northern States Power Company, November 29, 2016.

Tables

Table 1
Pre-Remedy Analytical Groundwater Monitoring Data
United Refrigeration, Inc. Property
Fargo, ND

		Location	MW-URI-01D	MW-URI-04S
		Date	6/20/2018	6/20/2018
		Depth	50 - 60 ft	4 - 14 ft
		Sample Type	N	N
Parameter	Units	GW Not to Exceed (NTE) Value[1]		
Effective Date		11/29/2016		
Exceedance Key		Underline		
SVOCs				
Naphthalene	ug/l	NC	< 10	4200
VOCs				
1,2,4-Trimethylbenzene	ug/l		< 1.0	1900
1,3,5-Trimethylbenzene	ug/l		< 1.0	660
Benzene	ug/l	3000 a	< 1.0	7400
Total Petroleum Hydrocarbons				
Gasoline Range Organics, C6-C10	ug/l	4100	< 100	39000
Diesel Range Organics-silica gel cleanup	ug/l	NC	< 100	13000
Total Petroleum Hydrocarbons (Barr Calculation)	ug/l		ND	52000

Table 1
Pre-Remedy Analytical Groundwater Monitoring Data
United Refrigeration, Inc. Property
Fargo, ND

Barr Standard Footnotes and Qualifiers

N	Sample Type: Normal
FD	Sample Type: Field Duplicate
ND	Not detected.
a	Estimated value, calculated using some or all values that are estimates.

Groundwater Not to Exceed (NTE) Value

1	Site-specific groundwater cleanup goal (see 2016 Remedial Investigation and Focused Feasibility Study for further details [Gradient, 2016]).

Table 2
Analytical Air Monitoring Data
United Refrigeration, Inc. Property - Fargo MGP Site
Fargo, ND

Background Results Prior to Targeted Source Removal Excavation

		Parameter	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Naphthalene
		Units	ug/m3	ug/m3	ug/m3	ug/m3
Location	Date	Sample Type				
OA1	6/20/2018	N	0.89	< 0.84	< 0.86	1.3
OA2	6/20/2018	N	< 0.81	< 0.79	< 0.81	< 0.81
OA3	6/20/2018	N	< 0.78	< 0.77	< 0.78	< 0.78
OA4	6/20/2018	N	< 0.85	< 0.84	< 0.85	< 0.85
OA5	6/20/2018	N	< 0.82	< 0.80	< 0.82	< 0.82
OA6	6/20/2018	N	< 0.81	< 0.80	< 0.81	< 0.81
OA7	6/20/2018	N	< 0.79	< 0.77	< 0.79	< 0.79
OA8	6/20/2018	N	< 0.79	< 0.77	< 0.79	< 0.79

Perimeter Air Monitoring Results During Targeted Source Removal Excavation

		Parameter	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Benzene	Naphthalene
		Units	ug/m3	ug/m3	ug/m3	ug/m3
Location	Date	Sample Type				
OA3	7/07/2018	N	0.96	< 0.77	< 0.78	1.7

N - Sample Type: Normal.

FD - Sample Type: Field Duplicate.

Table 3
Analytical Soil Sample Summary
United Refrigeration, Inc. Property - Fargo MGP Site
Fargo, North Dakota

Sample Type	Sample Identification[1]	Date	GPS Coordinates[2]		Sample Depth	Organic Headspace	Comments
			Northing (meters)	Easting (meters)	(feet bgs)	(ppm)	
Documentation Samples							
Base of Excavation Sample	URI-BS01	7/6/2018	5193797.92	667823.07	9.5	0.1	
	URI-BS12	7/6/2018	5193792.24	667821.87	3.5	0.0	
	URI-BS21	7/7/2018	5193799.36	667828.61	3.5	1.4	
	URI-BS22	7/7/2018	5193793.47	667829.60	9.5	0.5	
	URI-BS30	7/8/2018	5193792.78	667837.12	11	58.4	
	URI-BS38	7/8/2018	5193802.55	667840.32	8	376	
	URI-BS39	7/8/2018	5193800.78	667833.67	8	912	
	URI-BS40	7/8/2018	5193795.74	667836.28	8	396	
	URI-BS43	7/8/2018	5193794.26	667843.08	8	892	
	URI-BS50	7/11/2018	5193792.95	667848.05	8.5	636	
	URI-BS51	7/11/2018	5193798.62	667849.10	8.5	654	
Sidewall of Excavation Sample	URI-SW52	7/11/2018	5193804.09	667848.72	8.5	280	
Clean Cover Soil							
Clean Soil from Offsite Source	GRAB-1	6/1/2018	--	--	NA	--	General fill, from 209 Wall Street Ave. NW in Moorhead, MN
	GRAB-1	6/11/2018	--	--	NA	--	Class III fill, from Strata Pit in Moorhead, MN
	GRAB-2	6/1/2018	--	--	NA	--	General fill, from 209 Wall Street Ave. NW in Moorhead, MN
	GRAB-2	6/11/2018	--	--	NA	--	Class III fill, from Strata Pit in Moorhead, MN
	GRAB-3	6/1/2018	--	--	NA	--	General fill, from 209 Wall Street Ave. NW in Moorhead, MN
	GRAB-3	6/11/2018	--	--	NA	--	Class III fill, from Strata Pit in Moorhead, MN
	GRAB-4	6/11/2018	--	--	NA	--	General fill, from Strata at 2660 16th Ave S in Moorhead, MN
	GRAB-5	6/11/2018	--	--	NA	--	General fill, from Strata at 2660 16th Ave S in Moorhead, MN
	GRAB-6	6/11/2018	--	--	NA	--	General fill, from Strata at 2660 16th Ave S in Moorhead, MN
	GRAB-7	6/11/2018	--	--	NA	--	Topsoil, from Strata Pit in Dilworth, MN
	GRAB-8	6/11/2018	--	--	NA	--	Topsoil, from Strata Pit in Dilworth, MN
	GRAB-9	6/11/2018	--	--	NA	--	Topsoil, from Strata Pit in Dilworth, MN
	GRAB-10	6/11/2018	--	--	NA	--	Class V fill, from Strata at 200th St N. in Ullen MN
	GRAB-11	6/11/2018	--	--	NA	--	Class V fill, from Strata at 200th St N. in Ullen MN

Table 3
Analytical Soil Sample Summary
United Refrigeration, Inc. Property - Fargo MGP Site
Fargo, North Dakota

Sample Type	Sample Identification[1]	Date	GPS Coordinates[2]		Sample Depth	Organic Headspace	Comments
			Northing (meters)	Easting (meters)	(feet bgs)	(ppm)	
	GRAB-12	6/11/2018	--	--	NA	--	Class V fill, from Strata at 200th St N. in Ullen MN
	GRAB-13	6/11/2018	--	--	NA	--	General fill, from watershed area in Moorhead, MN
	GRAB-14	6/11/2018	--	--	NA	--	General fill, from watershed area in Moorhead, MN
	GRAB-15	6/11/2018	--	--	NA	--	General fill, from watershed area in Moorhead, MN

Notes:

1 - All samples analyzed for VOCs, SVOCs, GRO, DRO except where noted in comments.

2 - UTM coordinates referenced to UTM14N NAD83.

VOCs - Volatile Organic Compounds

SVOCs - Semivolatile Organic Compounds

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

Table 4
Excavation Extents Analytical Soil Data
United Refrigeration, Inc. Property - Fargo MGP Site
Fargo, ND

		Location	URI-BS01	URI-BS12	URI-BS21	URI-BS22	URI-BS30		URI-BS38	URI-BS39	URI-BS40	URI-BS43	URI-BS50	URI-BS51	URI-SW52
		Date	7/06/2018	7/06/2018	7/07/2018	7/07/2018	7/08/2018		7/08/2018	7/08/2018	7/08/2018	7/08/2018	7/11/2018	7/11/2018	7/11/2018
		Depth	9.5 ft	3.5 ft	3.5 ft	9.5 ft	11 ft	11 ft	8 ft	8 ft	8 ft	8 ft	8.5 ft	8.5 ft	6.5 ft
		Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N
Parameter	Units	Soil Not to Exceed (NTE) Value													
Exceedance Key		No Exceedances													
General Parameters															
Solids, percent	%		69	76	76	71	73	72	72	73	72	71	72	72	74
Semivolatile Organic Compounds															
1,2,4-Trichlorobenzene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
1,2-Dichlorobenzene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
1,3-Dichlorobenzene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
1,4-Dichlorobenzene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
2,2'-oxybis (1-chloropropane)	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
2,3,4,6-Tetrachlorophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2,4,5-Trichlorophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2,4,6-Trichlorophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2,4-Dichlorophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2,4-Dimethylphenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2,4-Dinitrophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2,4-Dinitrotoluene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
2,6-Dichlorophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2,6-Dinitrotoluene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
2-Chloronaphthalene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
2-Chlorophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2-Methyl-4,6-dinitrophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2-Methylnaphthalene	mg/kg	4400	< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	1.4	7.8	7.9	0.82	4.3	1.3	7.9
2-Methylphenol (o-cresol)	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
2-Nitroaniline	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
2-Nitrophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
3,3`-Dichlorobenzidine	mg/kg		< 2.6	< 2.3	< 2.8	< 2.6	< 2.4	< 2.5	< 2.5	< 2.4	< 2.5	< 2.6	< 2.5	< 2.5	< 2.4
3,4-Methylphenol (m,p cresols)	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
3-Nitroaniline	mg/kg		< 0.73	< 0.62	< 0.78	< 0.71	< 0.65	< 0.68	< 0.68	< 0.67	< 0.69	< 0.71	< 0.68	< 0.70	< 0.67
4-Bromophenyl phenyl ether	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
4-Chloro-3-methylphenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
4-Chloroaniline	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
4-Chlorophenyl phenyl ether	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
4-Nitroaniline	mg/kg		< 0.69	< 0.59	< 0.74	< 0.68	< 0.62	< 0.65	< 0.65	< 0.64	< 0.65	< 0.68	< 0.65	< 0.67	< 0.64
4-Nitrophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
Acenaphthene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Acenaphthylene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Aniline	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
Anthracene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Azobenzene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Benz(a)anthracene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Benzidine	mg/kg		< 4.1	< 3.5	< 4.4	< 4.1	< 3.7	< 3.9	< 3.9	< 3.8	< 3.9	< 4.0	< 3.9	< 4.0	< 3.8
Benzo(a)pyrene	mg/kg	14	< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Benzo(b)fluoranthene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Benzo(g,h,i)perylene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Benzo(k)fluoranthene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Benzoic acid	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Benzyl alcohol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
Bis(2-chloroethoxy)methane	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Bis(2-chloroethyl)ether	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Bis(2-ethylhexyl)phthalate	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Butyl benzyl phthalate	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Carbazole	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Chrysene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Dibenz(a,h)anthracene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Dibenzofuran	mg/kg	1300	< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Diethyl phthalate	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Dimethyl phthalate	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50

Table 4
Excavation Extents Analytical Soil Data
United Refrigeration, Inc. Property - Fargo MGP Site
Fargo, ND

		Location	URI-BS01	URI-BS12	URI-BS21	URI-BS22	URI-BS30		URI-BS38	URI-BS39	URI-BS40	URI-BS43	URI-BS50	URI-BS51	URI-SW52
		Date	7/06/2018	7/06/2018	7/07/2018	7/07/2018	7/08/2018		7/08/2018	7/08/2018	7/08/2018	7/08/2018	7/11/2018	7/11/2018	7/11/2018
		Depth	9.5 ft	3.5 ft	3.5 ft	9.5 ft	11 ft	11 ft	8 ft	8 ft	8 ft	8 ft	8.5 ft	8.5 ft	6.5 ft
		Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N
Parameter	Units	Soil Not to Exceed (NTE) Value													
Exceedance Key		No Exceedances													
Di-n-butyl phthalate	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Di-n-octyl phthalate	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Fluoranthene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Fluorene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Hexachlorobenzene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Hexachlorobutadiene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Hexachlorocyclopentadiene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Hexachloroethane	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Indeno(1,2,3-cd)pyrene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Isophorone	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Naphthalene	mg/kg	2400	< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	6.0	41	56	5.2	30	9.2	14
Nitrobenzene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
n-Nitrosodimethylamine	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
n-Nitrosodi-n-propylamine	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
n-Nitrosodiphenylamine	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Pentachlorophenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
Phenanthrene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	0.56
Phenol	mg/kg		< 1.1	< 0.94	< 1.2	< 1.1	< 0.99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1	< 1.0	< 1.1	< 1.0
Pyrene	mg/kg		< 0.54	< 0.46	< 0.58	< 0.54	< 0.49	< 0.51	< 0.51	< 0.50	< 0.51	< 0.53	< 0.51	< 0.52	< 0.50
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,1,1-Trichloroethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,1,2,2-Tetrachloroethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,1,2-Trichloroethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,1-Dichloroethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,1-Dichloroethylene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,1-Dichloropropene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,2,3-Trichlorobenzene	mg/kg		< 0.72	< 0.66	< 0.66	< 0.70	< 0.68	< 0.69	< 0.69	< 0.68	< 0.69	< 0.70	< 0.69	< 0.69	< 0.68
1,2,3-Trichloropropane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,2,4-Trichlorobenzene	mg/kg		< 0.72	< 0.66	< 0.66	< 0.70	< 0.68	< 0.69	< 0.69	< 0.68	< 0.69	< 0.70	< 0.69	< 0.69	< 0.68
1,2,4-Trimethylbenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	2.3	5.7	7.9	0.58	7.0	2.7	15
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg		< 0.72	< 0.66	< 0.66	< 0.70	< 0.68	< 0.69	< 0.69	< 0.68	< 0.69	< 0.70	< 0.69	< 0.69	< 0.68
1,2-Dibromoethane (EDB)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,2-Dichlorobenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,2-Dichloroethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,2-Dichloroethylene, cis	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,2-Dichloroethylene, trans	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,2-Dichloropropane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,3,5-Trimethylbenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	0.64	2.2	2.7	< 0.28	2.4	0.90	8.0
1,3-Dichlorobenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,3-Dichloropropane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,3-Dichloropropene, cis	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,3-Dichloropropene, trans	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
1,4-Dichlorobenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
2,2-Dichloropropane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Acetone	mg/kg		< 1.4	< 1.3	< 1.3	1.8	2.5	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Allyl chloride	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Benzene	mg/kg	810	< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	0.42	1.5	2.2	1.4	2.0	2.8	< 0.27
Bromobenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Bromochloromethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Bromodichloromethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Bromoform	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Bromomethane	mg/kg		< 0.29 *	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Butylbenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	0.80	0.63	< 0.28	< 0.28	< 0.28	1.2
Butylbenzene, sec	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Butylbenzene, tert	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27

Table 4
Excavation Extents Analytical Soil Data
United Refrigeration, Inc. Property - Fargo MGP Site
Fargo, ND

		Location	URI-BS01	URI-BS12	URI-BS21	URI-BS22	URI-BS30		URI-BS38	URI-BS39	URI-BS40	URI-BS43	URI-BS50	URI-BS51	URI-SW52
		Date	7/06/2018	7/06/2018	7/07/2018	7/07/2018	7/08/2018		7/08/2018	7/08/2018	7/08/2018	7/08/2018	7/11/2018	7/11/2018	7/11/2018
		Depth	9.5 ft	3.5 ft	3.5 ft	9.5 ft	11 ft	11 ft	8 ft	8 ft	8 ft	8 ft	8.5 ft	8.5 ft	6.5 ft
		Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N
Parameter	Units	Soil Not to Exceed (NTE) Value													
Exceedance Key		No Exceedances													
Carbon tetrachloride	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Chlorobenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Chlorodibromomethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Chloroethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Chloroform	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Chloromethane	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Chlorotoluene, o	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Chlorotoluene, p	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Cumene (isopropyl benzene)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Cymene p- (toluene isopropyl p-)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	0.29	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Dibromomethane (methylene bromide)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Dichlorodifluoromethane (Freon-12)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Dichlorofluoromethane (Freon-21)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Ethyl benzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	0.70	1.3	1.3	1.6	1.3	1.9	0.30
Ethyl ether	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Hexachlorobutadiene	mg/kg		< 0.72	< 0.66	< 0.66	< 0.70	< 0.68	< 0.69	< 0.69	< 0.68	< 0.69	< 0.70	< 0.69	< 0.69	< 0.68
Methyl ethyl ketone (2-butanone)	mg/kg		< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Methyl isobutyl ketone (MIBK)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Methyl tertiary butyl ether (MTBE)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Methylene chloride	mg/kg		< 0.72	< 0.66	< 0.66	< 0.70	< 0.68	< 0.69	< 0.69	< 0.68	< 0.69	< 0.70	< 0.69	< 0.69	< 0.68
Naphthalene	mg/kg	2400	< 0.72	< 0.66	< 0.66	< 0.70	< 0.68	1.2	25	77	72	8.6	28	19	21
Propylbenzene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	0.50	0.47	< 0.28	< 0.28	< 0.28	< 0.27
Styrene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	0.38	1.5	1.1	1.8
Tetrachloroethylene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Tetrahydrofuran	mg/kg		< 1.4	< 1.3	< 1.3	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
Toluene	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	0.41	< 0.27	< 0.28	0.44	1.4	2.6	0.37
Trichloroethylene (TCE)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Trichlorofluoromethane (Freon-11)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Trichlorotrifluoroethane (Freon 113)	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Vinyl chloride	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.28	< 0.27
Xylene, m & p	mg/kg		< 0.58	< 0.53	< 0.53	< 0.56	< 0.55	< 0.56	1.4	2.3	2.5	0.78	3.3	2.7	4.6
Xylene, o	mg/kg		< 0.29	< 0.26	< 0.26	< 0.28	< 0.27	< 0.28	1.0	0.56	< 0.28	0.63	1.7	1.8	3.0
Total Petroleum Hydrocarbons															
Diesel Range Organics, silica gel cleanup	mg/kg	1100	< 12	< 11	< 11	< 11	< 11	< 11	20	180	170	< 11	31	9.9	780
Gasoline Range Organics, C6-C10	mg/kg	1600	< 7.2	< 6.6	< 6.6	< 7.0	< 6.8	< 6.9	22	90	74	16	84	41	200

Table 4
Excavation Extents Analytical Soil Data
United Refrigeration, Inc. Property - Fargo MGP Site
Fargo, ND

Barr Standard Footnotes and Qualifiers

N	Sample Type: Normal
FD	Sample Type: Field Duplicate
ND	Not detected.
*	Estimated value, QA/QC criteria not met.

Table 5
Backfill Analytical Soil Data
Fargo MGP Site
Fargo, ND

Location		Grab-1	Grab-1	Grab-2		Grab-2	Grab-3	Grab-3	Grab-4	Grab-5	Grab-6	Grab-7	Grab-8	Grab-9	Grab-10	Grab-11	Grab-12	Grab-13	Grab-14	Grab-15
Date		6/01/2018	6/11/2018	6/01/2018		6/11/2018	6/01/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018
Depth		1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft
Sample Type		N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	Units																			
General Parameters																				
Solids, percent	%	**75**	**92**	**79**	**79**	**96**	**79**	**95**	**76**	**75**	**76**	**81**	**80**	**83**	**94**	**93**	**96**	**75**	**73**	**73**
Semivolatile Organic Compounds																				
1,2,4-Trichlorobenzene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
1,2-Dichlorobenzene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
1,3-Dichlorobenzene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
1,4-Dichlorobenzene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
2,2'-oxybis (1-chloropropane)	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
2,3,4,6-Tetrachlorophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2,4,5-Trichlorophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2,4,6-Trichlorophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2,4-Dichlorophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2,4-Dimethylphenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2,4-Dinitrophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2,4-Dinitrotoluene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
2,6-Dichlorophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2,6-Dinitrotoluene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
2-Chloronaphthalene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
2-Chlorophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2-Methyl-4,6-dinitrophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2-Methylnaphthalene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
2-Methylphenol (o-cresol)	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
2-Nitroaniline	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
2-Nitrophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
3,3`-Dichlorobenzidine	mg/kg	< 3.2	< 1.7	< 3.0	< 3.0	< 1.7	< 3.0	< 1.7	< 3.0	< 3.1	< 2.8	< 2.9	< 3.0	< 2.9	< 1.7	< 1.7	< 1.7	< 2.1	< 2.2	< 2.2
3,4-Methylphenol (m,p cresols)	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
3-Nitroaniline	mg/kg	< 0.88	< 0.48	< 0.83	< 0.82	< 0.46	< 0.81	< 0.46	< 0.81	< 0.85	< 0.78	< 0.80	< 0.82	< 0.79	< 0.47	< 0.47	< 0.46	< 0.59	< 0.60	< 0.60
4-Bromophenyl phenyl ether	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
4-Chloro-3-methylphenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
4-Chloroaniline	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
4-Chlorophenyl phenyl ether	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
4-Nitroaniline	mg/kg	< 0.84	< 0.46	< 0.79	< 0.78	< 0.44	< 0.77	< 0.44	< 0.77	< 0.81	< 0.74	< 0.77	< 0.78	< 0.75	< 0.45	< 0.45	< 0.44	< 0.56	< 0.58	< 0.58
4-Nitrophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
Acenaphthene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Acenaphthylene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Aniline	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
Anthracene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Azobenzene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Benz(a)anthracene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Benzidine	mg/kg	< 5.0	< 2.7	< 4.7	< 4.7	< 2.6	< 4.6	< 2.6	< 4.6	< 4.8	< 4.4	< 4.6	< 4.6	< 4.5	< 2.7	< 2.7	< 2.6	< 3.3	< 3.4	< 3.4
Benzo(a)pyrene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Benzo(b)fluoranthene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Benzo(g,h,i)perylene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Benzo(k)fluoranthene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Benzoic acid	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Benzyl alcohol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
Bis(2-chloroethoxy)methane	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Bis(2-chloroethyl)ether	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Bis(2-ethylhexyl)phthalate	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Butyl benzyl phthalate	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Carbazole	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Chrysene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Dibenz(a,h)anthracene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Dibenzofuran	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Diethyl phthalate	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Dimethyl phthalate	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Di-n-butyl phthalate	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Di-n-octyl phthalate	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Fluoranthene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Fluorene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45

Table 5
Backfill Analytical Soil Data
Fargo MGP Site
Fargo, ND

Location		Grab-1	Grab-1	Grab-2		Grab-2	Grab-3	Grab-3	Grab-4	Grab-5	Grab-6	Grab-7	Grab-8	Grab-9	Grab-10	Grab-11	Grab-12	Grab-13	Grab-14	Grab-15
Date		6/01/2018	6/11/2018	6/01/2018		6/11/2018	6/01/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018
Depth		1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft
Sample Type		N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	Units																			
Hexachlorobenzene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Hexachlorobutadiene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Hexachlorocyclopentadiene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Hexachloroethane	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Isophorone	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Naphthalene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Nitrobenzene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
n-Nitrosodimethylamine	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
n-Nitrosodi-n-propylamine	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
n-Nitrosodiphenylamine	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Pentachlorophenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
Phenanthrene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Phenol	mg/kg	< 1.3	< 0.73	< 1.3	< 1.2	< 0.70	< 1.2	< 0.71	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 0.71	< 0.72	< 0.70	< 0.89	< 0.92	< 0.92
Pyrene	mg/kg	< 0.66	< 0.36	< 0.62	< 0.61	< 0.34	< 0.61	< 0.35	< 0.61	< 0.64	< 0.58	< 0.60	< 0.61	< 0.59	< 0.35	< 0.35	< 0.34	< 0.44	< 0.45	< 0.45
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,1,2,2-Tetrachloroethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,1,2-Trichloroethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,1-Dichloroethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,1-Dichloroethylene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,1-Dichloropropene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2,3-Trichlorobenzene	mg/kg	< 0.63	< 0.27	< 0.63	< 0.63	< 0.24	< 0.58	< 0.24	< 0.33	< 0.33	< 0.33	< 0.29	< 0.31	< 0.30	< 0.27	< 0.27	< 0.26	< 0.67	< 0.68	< 0.68
1,2,3-Trichloropropane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2,4-Trichlorobenzene	mg/kg	< 0.63	< 0.27	< 0.63	< 0.63	< 0.24	< 0.58	< 0.24	< 0.33	< 0.33	< 0.33	< 0.29	< 0.31	< 0.30	< 0.27	< 0.27	< 0.26	< 0.67	< 0.68	< 0.68
1,2,4-Trimethylbenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	< 0.63	< 0.27	< 0.63	< 0.63	< 0.24	< 0.58	< 0.24	< 0.33	< 0.33	< 0.33	< 0.29	< 0.31	< 0.30	< 0.27	< 0.27	< 0.26	< 0.67	< 0.68	< 0.68
1,2-Dibromoethane (EDB)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2-Dichlorobenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2-Dichloroethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2-Dichloroethylene, cis	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2-Dichloroethylene, trans	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,2-Dichloropropane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,3,5-Trimethylbenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,3-Dichlorobenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,3-Dichloropropane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,3-Dichloropropene, cis	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,3-Dichloropropene, trans	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
1,4-Dichlorobenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
2,2-Dichloropropane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Acetone	mg/kg	< 1.3	< 0.54	< 1.3	< 1.3	< 0.47	< 1.2	< 0.48	< 0.66	< 0.67	< 0.66	< 0.58	< 0.62	< 0.60	< 0.53	< 0.54	< 0.52	< 1.3	< 1.4	< 1.4
Allyl chloride	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Benzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Bromobenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Bromochloromethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Bromodichloromethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Bromoform	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Bromomethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Butylbenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Butylbenzene, sec	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Butylbenzene, tert	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Carbon tetrachloride	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Chlorobenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Chlorodibromomethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Chloroethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Chloroform	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Chloromethane	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Chlorotoluene, o	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Chlorotoluene, p	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27

Table 5
Backfill Analytical Soil Data
Fargo MGP Site
Fargo, ND

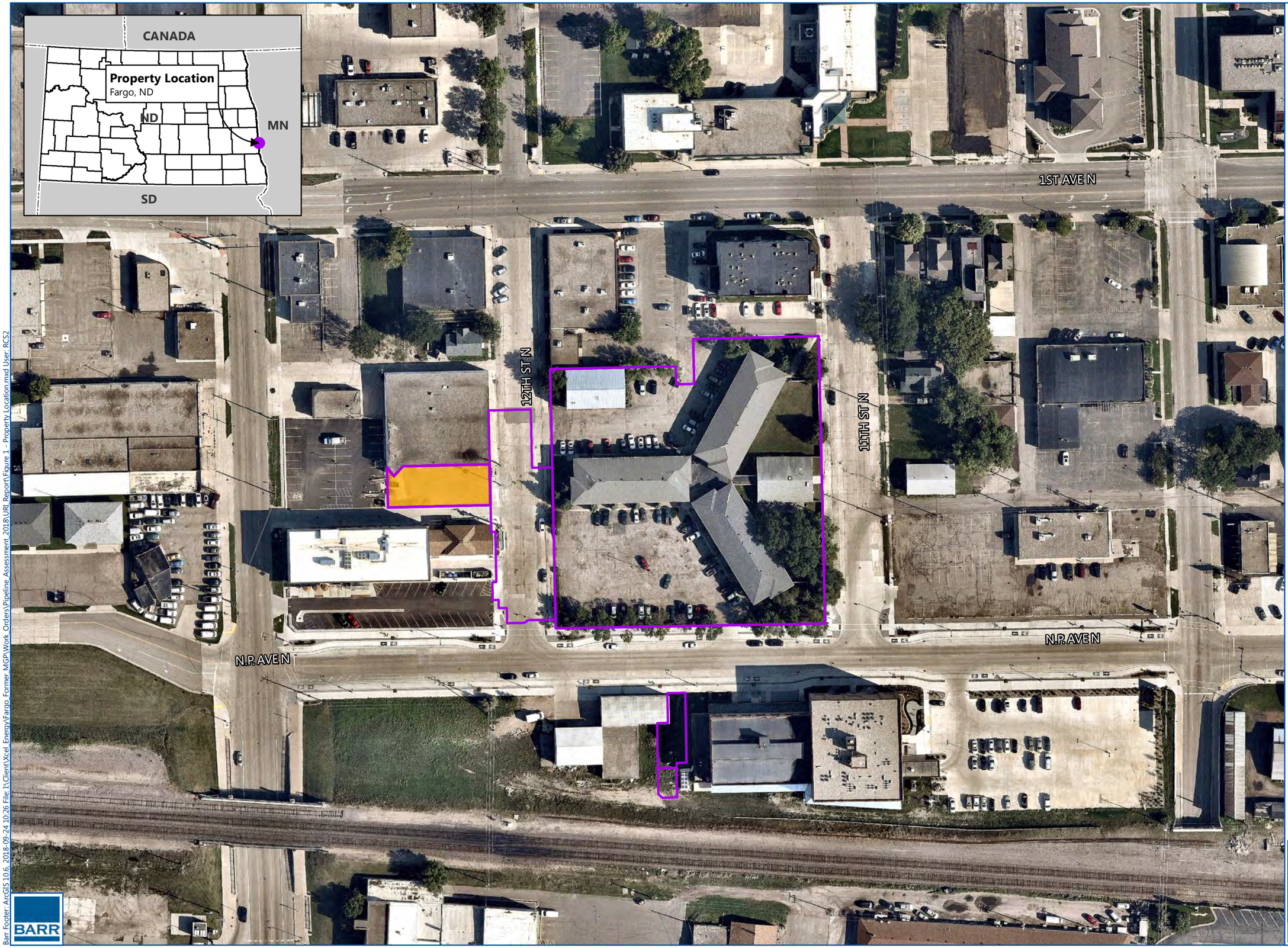
Location		Grab-1	Grab-1	Grab-2		Grab-2	Grab-3	Grab-3	Grab-4	Grab-5	Grab-6	Grab-7	Grab-8	Grab-9	Grab-10	Grab-11	Grab-12	Grab-13	Grab-14	Grab-15
Date		6/01/2018	6/11/2018	6/01/2018		6/11/2018	6/01/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018	6/11/2018
Depth		1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft	1 ft
Sample Type		N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter	Units																			
Cumene (isopropyl benzene)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Cymene p- (toluene isopropyl p-)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Dibromomethane (methylene bromide)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Dichlorodifluoromethane (Freon-12)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Dichlorofluoromethane (Freon-21)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Ethyl benzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Ethyl ether	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Hexachlorobutadiene	mg/kg	< 0.63	< 0.27	< 0.63	< 0.63	< 0.24	< 0.58	< 0.24	< 0.33	< 0.33	< 0.33	< 0.29	< 0.31	< 0.30	< 0.27	< 0.27	< 0.26	< 0.67	< 0.68	< 0.68
Methyl ethyl ketone (2-butanone)	mg/kg	< 1.3	< 0.54	< 1.3	< 1.3	< 0.47	< 1.2	< 0.48	< 0.66	< 0.67	< 0.66	< 0.58	< 0.62	< 0.60	< 0.53	< 0.54	< 0.52	< 1.3	< 1.4	< 1.4
Methyl isobutyl ketone (MIBK)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Methyl tertiary butyl ether (MTBE)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Methylene chloride	mg/kg	< 0.63	< 0.27	< 0.63	< 0.63	< 0.24	< 0.58	< 0.24	< 0.33	< 0.33	< 0.33	< 0.29	< 0.31	< 0.30	< 0.27	< 0.27	< 0.26	< 0.67	< 0.68	< 0.68
Naphthalene	mg/kg	< 0.63	< 0.27	< 0.63	< 0.63	< 0.24	< 0.58	< 0.24	< 0.33	< 0.33	< 0.33	< 0.29	< 0.31	< 0.30	< 0.27	< 0.27	< 0.26	< 0.67	< 0.68	< 0.68
Propylbenzene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Styrene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Tetrachloroethylene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Tetrahydrofuran	mg/kg	< 1.3	< 0.54	< 1.3	< 1.3	< 0.47	< 1.2	< 0.48	< 0.66	< 0.67	< 0.66	< 0.58	< 0.62	< 0.60	< 0.53	< 0.54	< 0.52	< 1.3	< 1.4	< 1.4
Toluene	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Trichloroethylene (TCE)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Trichlorofluoromethane (Freon-11)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Trichlorotrifluoroethane (Freon 113)	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Vinyl chloride	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Xylene, m & p	mg/kg	< 0.50	< 0.22	< 0.51	< 0.51	< 0.19	< 0.47	< 0.19	< 0.26	< 0.27	< 0.26	< 0.23	< 0.25	< 0.24	< 0.21	< 0.22	< 0.21	< 0.53	< 0.55	< 0.55
Xylene, o	mg/kg	< 0.25	< 0.11	< 0.25	< 0.25	< 0.095	< 0.23	< 0.097	< 0.13	< 0.13	< 0.13	< 0.12	< 0.12	< 0.12	< 0.11	< 0.11	< 0.10	< 0.27	< 0.27	< 0.27
Total Petroleum Hydrocarbons																				
Diesel Range Organics, silica gel cleanup	mg/kg	< 8.8	< 8.7	< 8.4	< 8.1	< 8.3	< 8.0	< 8.4	< 11	< 11	< 9.8	< 9.4	< 9.4	< 9.6	< 8.5	< 8.6	< 7.7	< 9.5	< 11	< 11
Gasoline Range Organics, C6-C10	mg/kg	< 6.3	< 5.4	< 6.3	< 6.3	< 4.7	< 5.8	< 4.8	< 6.6	< 6.7	< 6.6	< 5.8	< 6.2	< 6.0	< 5.3	< 5.4	< 5.2	< 6.7	< 6.8	< 6.8

Table 5
Backfill Analytical Soil Data
Fargo MGP Site
Fargo, ND

Barr Standard Footnotes and Qualifiers

N	Sample Type: Normal
FD	Sample Type: Field Duplicate

Figures



URI Property

Fargo MGP Site Boundaries

Note: Boundaries have been surveyed. Aerial imagery manually shifted to correct orthorectification errors.

N

0 50 100

Feet

PROPERTY LOCATION
URI
Fargo MGP Site
Fargo, MN

FIGURE 1

BARR

Barr Footer: ArcGIS 10.6, 2018-09-24 10:26 File: I:\Client\Xcel_Energy\Fargo_Former_MGP\Work_Orders\Pipeline_Assessment_2018\URI_Report\Figure 1 - Property Location.mxd User: RCS2

UNITED
REFRIGERATION
INC.

(UNKNOWN SIZE
AND EXISTENCE)

GAS MAIN (UNKNOWN
SIZE AND ELEVATION)

EXISTING CONCRETE PAD

ACCESS DOOR

EXISTING
SIDEWALK

ACCESS DOOR

EXISTING CONCRETE PAD

2" GAS LINE

FORMER LOADING DOCK
(4 FT BELOW GRADE)
PREVIOUSLY FILLED-IN

EXISTING BOLLARD

GARAGE DOOR

ABOVE GRADE LOADING DOCK

EXISTING BOLLARDS

MW-URI-01D

MW-URI-04S

EXISTING ALLEY

PRAIRIE ROOTS
FOOD CO-OP

WILD TERRA CIDER
& BREWING

EXISTING
SIDEWALK

- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING STORM SEWER LINE
- EXISTING BURIED GAS LINE
- EXISTING HISTORICAL PIPING
- EXISTING ROAD EDGE
- EXISTING CONCRETE EDGE (CURB / SIDEWALK)
- EXISTING CABLE TV
- EXISTING OVERHEAD ELECTRIC
- EXISTING 12" MGP PIPES
- EXISTING 12" MGP PIPES (GROUTED)
- EXISTING UNDERGROUND ELECTRIC
- EXISTING WATERLINE (ABANDONED)
- EXISTING UNKNOWN PIPE
- EXISTING BUILDING OUTLINE
- PROPERTY BOUNDARY
- HISTORICAL STRUCTURE
- EXISTING STORM SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING CATCH BASIN
- EXISTING POWER POLE
- EXISTING MONITORING WELL
- EXISTING NSP CONTROL POINT
- EXISTING TREE
- EXISTING CLUMP
- EXISTING SHRUB
- EXISTING BITUMINOUS PAVEMENT
- EXISTING VALVES
- EXISTING FIRE HYDRANT

N

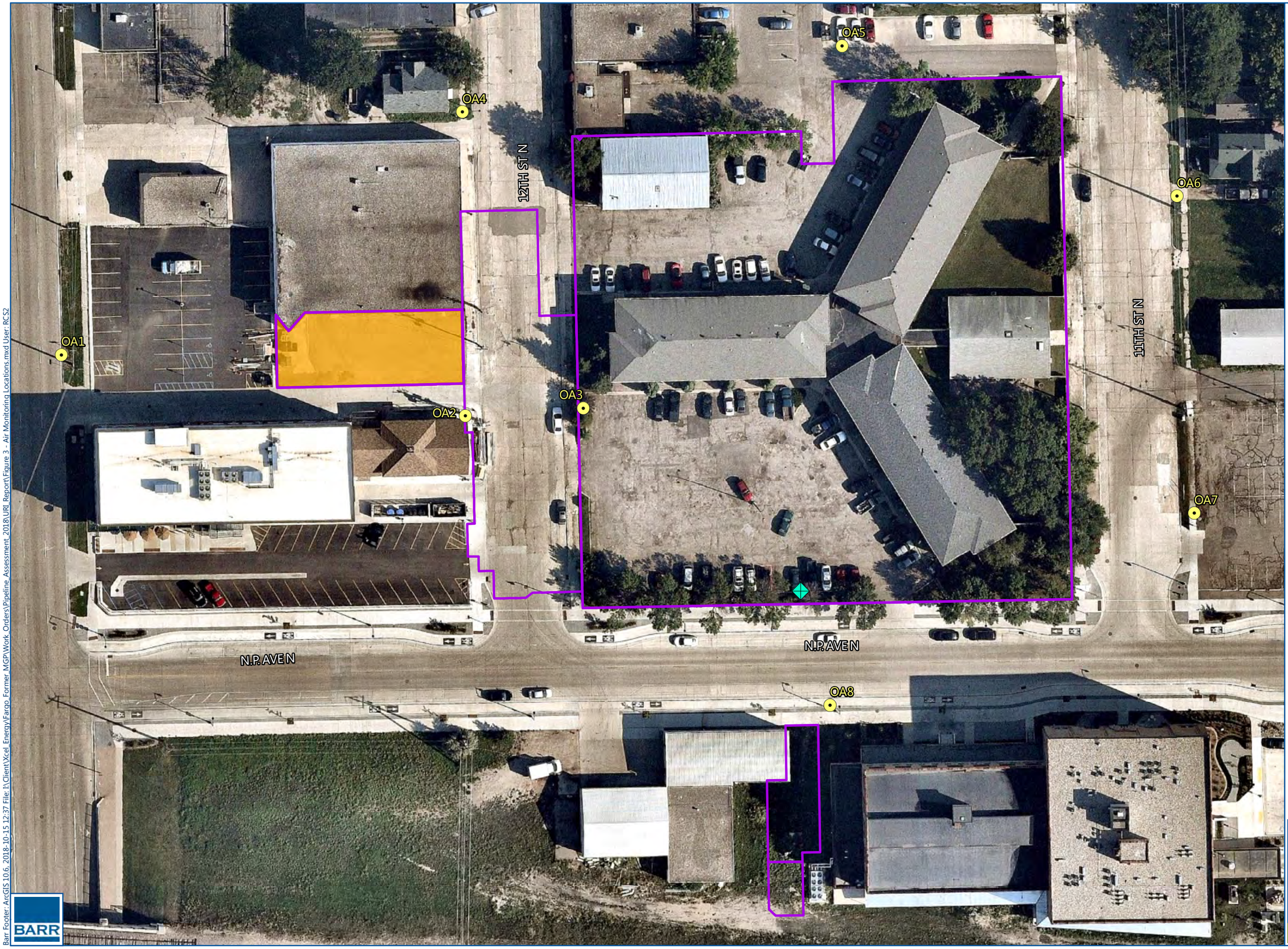
0 10 20
SCALE IN FEET

PREEXISTING CONDITIONS
URI
Fargo MGP Site
Fargo, MN

FIGURE 2

BARR

Barr Footer: ArcGIS 10.6, 2018-10-17 10:27 File: I:\Client\Xcel Energy\Fargo_Former_MGP\Work_Orders\Pipeline_Assessment_2018\URI_Report\Figure 2 - Preexisting Conditions.mxd User: RCS2



Weather Station

Perimeter Air Monitoring Location

URI Property

Fargo MGP Site Boundaries

Note: Boundaries have been surveyed. Aerial imagery manually shifted to correct orthorectification errors.

N

0 25 50

Feet

AIR MONITORING LOCATIONS
URI
Fargo MGP Site
Fargo, MN

FIGURE 3

BARR

Barr Footer: ArcGIS 10.6, 2018-10-15 12:37 File: I:\Client\Xcel_Energy\Fargo_Former_MGP\Work_Orders\Pipeline_Assessment_2018\URI_Report\Figure 3 - Air Monitoring Locations.mxd User: RCS2

Soil Sample Locations

Excavation Areas

URI Property

Note: Boundaries have been surveyed. Aerial imagery manually shifted to correct orthorectification errors.

N

0 10 20

Feet

SOURCE REMOVAL EXTENTS
URI
Fargo MGP Site
Fargo, MN

FIGURE 4

BARR

Barr Footer: ArcGIS 10.6, 2018-11-08 09:18 File: I:\Client\Xcel_Energy\Fargo_Former_MGP\Work_Orders\Pipeline_Assessment_2018\URI_Report\Figure 4 - Source Removal Extents.mxd User: RCS2

Attachments

Omitted