CELL 4 LINER & LEACHATE COLLECTION SYSTEM DESIGN & CONSTRUCTION CERTIFICATION

Unit 3 AQCS Landfill

Sherburne County (Sherco) Generating Station
Becker, Minnesota
Carlson McCain Project No.: 3404-05

Prepared for:

Xcel Energy, Inc.

July, 2023

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1.0 INTRODUCTION

This report presents the documentation for liner design and construction certification for the Cell 4 lateral expansion (Cell 4) of the Unit 3 Landfill (U3LF) at the Sherburne County Generating Plant (Sherco) in Becker, Minnesota. Cell 4 is a lateral expansion of U3LF and qualifies as a "new coal combustion residual (CCR) landfill" according to 40 CFR Section §257.53. This document addresses the requirements of 40 CFR §257.70 (Rules), i.e. Design criteria for new CCR landfills and any lateral expansion of a CCR landfill, and demonstrates Cell 4's compliance with said requirements.

1.1 Requirements of Liner Design

40 CFR §257.70 states the following:

(a)

(1) New CCR landfills and any lateral expansion of a CCR landfill must be designed, constructed, operated, and maintained with either a composite liner that meets the requirements of paragraph (b) of this section or an alternative composite liner that meets the requirements in paragraph (c) of this section, and a leachate collection and removal system that meets the requirements of paragraph (d) of this section.

(b) A composite liner must consist of two components; the upper component consisting of, at a minimum, a 30-mil geomembrane liner (GM), and the lower component consisting of at least a two-foot layer of compacted soil with a hydraulic conductivity of no more than 1 × 10−7 centimeters per second (cm/sec). GM components consisting of high density polyethylene (HDPE) must be at least 60-mil thick. The GM or upper liner component must be installed in direct and uniform contact with the compacted soil or lower liner component. The composite liner must be:

(1) Constructed of materials that have appropriate chemical properties and sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrogeologic forces), physical contact with the CCR or leachate to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation;

(2) Constructed of materials that provide appropriate shear resistance of the upper and lower component interface to prevent sliding of the upper component including on slopes;

(3) Placed upon a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression, or uplift; and

(4) Installed to cover all surrounding earth likely to be in contact with the CCR or leachate.

(c) If the owner or operator elects to install an alternative composite liner, all of the following requirements must be met:

(1) An alternative composite liner must consist of two components; the upper component consisting of, at a minimum, a 30-mil GM, and a lower component, that is not a geomembrane, with a liquid flow rate no greater than the liquid flow rate of two feet of

compacted soil with a hydraulic conductivity of no more than 1 × 10−7 cm/sec. GM components consisting of high density polyethylene (HDPE) must be at least 60-mil thick. If the lower component of the alternative liner is compacted soil, the GM must be installed in direct and uniform contact with the compacted soil.

(2) The owner or operator must obtain certification from a qualified professional engineer or approval from the Participating State Director or approval from EPA where EPA is the permitting authority that the liquid flow rate through the lower component of the alternative composite liner is no greater than the liquid flow rate through two feet of compacted soil with a hydraulic conductivity of 1x10−7 cm/sec. The hydraulic conductivity for the two feet of compacted soil used in the comparison shall be no greater than 1x10−7 cm/sec. The hydraulic conductivity of any alternative to the two feet of compacted soil must be determined using recognized and generally accepted methods. The liquid flow rate comparison must be made using Equation 1 of this section, which is derived from Darcy's Law for gravity flow through porous media.

(Eq. 1):

$$\frac{Q}{A} = q = k\left(\frac{h}{t} + 1\right)$$

Where:
Q = flow rate (cubic centimeters/second);
A = surface area of the liner (squared centimeters);
q = flow rate per unit area (cubic centimeters/second/squared centimeter);
k = hydraulic conductivity of the liner (centimeters/second);
h = hydraulic head above the liner (centimeters); and
t = thickness of the liner (centimeters).

(3) The alternative composite liner must meet the requirements specified in paragraphs (b)(1) through (4) of this section.

(d) The leachate collection and removal system must be designed, constructed, operated, and maintained to collect and remove leachate from the landfill during the active life and post-closure care period. The leachate collection and removal system must be:

(1) Designed and operated to maintain less than a 30-centimeter depth of leachate over the composite liner or alternative composite liner;

(2) Constructed of materials that are chemically resistant to the CCR and any non-CCR waste managed in the CCR unit and the leachate expected to be generated, and of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying waste, waste cover materials, and equipment used at the CCR unit; and

(3) Designed and operated to minimize clogging during the active life and post-closure care period. …

1.2 Composite Liner Design

The design chosen for Cell 4 is an alternative composite liner consisting of a 60-mil high density polyethylene (HDPE) geomembrane (GM) and a geosynthetic clay liner (GCL), as such, the composite liner for Cell 4 was designed and constructed to meet the requirements of §257.70 (c).

Prior to construction of Cell 4, hydraulic calculations using Equation 1 (Darcy's Law) were conducted to determine the equivalent hydraulic conductivity needed to meet or exceed the requirements of liquid flow rate through two-feet of compacted clay in accordance with §257.70(c). At the maximum elevation head of leachate, the design hydraulic conductivity of the GCL must be **3.09×10^{-9} cm/sec** or lower, as shown in calculations included as Appendix B to this Report.

1.3 Composite Liner Subgrade Density Verification

The following is an excerpt from the Unit 3 Landfill Location Restrictions report in prepared in accordance with 40 CFR §257.64:

The Sherco Dry Ash Disposal Facility Hydrogeologic Evaluation (Xcel Energy, 2008) describes the soils and geology beneath the U3LF. The U3LF site is located on the Anoka Sand Plain, a physiographic region which occupies large portions of Sherburne, Anoka, and Isanti counties and is characterized by widespread sand and gravel deposits underlain by glacial till. Unconsolidated sediments beneath the U3LF consist primarily of fine- to coarse-grained sand with gravel along with a layer of silty to sandy, dense glacial till. These soils are stable and are well-suited to support the landfill foundation. Standard penetration blow counts (N-values) taken from soil borings surrounding the U3LF range from 8 to 15 near the surface to over 100 in the till. No soft soils, areas susceptible to mass movements, or karst terrains were reported in the investigation area.

The topography surrounding the U3LF is flat to very gently rolling and slopes gradually (one to three percent slope) south and west to the Mississippi River approximately 3,600 feet south of the U3LF.

The arrangement of soils and topography provide a stable base not prone to differential settling or mass movements. Additionally, landfill construction practices such as removal of all topsoil and vegetation, soil compaction, and geotechnical testing of the base and embankments ensure the underlying soils are capable of supporting the landfill's structural components (composite liner, leachate collection system, future final cover, run-on/run-off systems).

During construction of Cell 4, the liner subgrade was moisture conditioned as needed and compacted to at least 95% standard proctor density with a vibratory smooth drum roller. The compacted subgrade and underlying soils provide a sound foundation to prevent failure of the liner due to settlement, compression, or uplift. Results of the subgrade soil testing are included as Appendix A.

1.4 Composite Liner Construction Verification

In accordance with §257.70(d) and project specifications, the GCL and 60-mil HDPE GM were subjected to multiple rounds of quality control to ensure the alternative composite liner was constructed in accordance with all requirements of §257.70 (c). Details of the quality control and construction documentation are provided below.

1.4.1 GCL Construction Verification

The GCL manufacturer for the project was CETCO Mineral Technologies (CETCO). Prior to selection, Xcel Energy provided CETCO with a sample of leachate from the Unit 3 Landfill to test for chemical compatibility with the leachate and verification of hydraulic conductivity through the GCL. Hydraulic conductivity of the GCL was tested in accordance with ASTM D6766.

The GCL selected for Cell 4 was CETCO's Resistex 100 series of GCL's, including Resistex 100 ST and Resistex 100 DN. Both GCL's feature a coal-ash resistant needle-punched reinforced composite GCL liner system comprised of a uniform layer of granular sodium bentonite and polymer blend encapsulated between two geotextiles. Resistex 100 DN has a thicker nonwoven top geotextile suitable for the shear stresses on the 3H:1V side slopes of Cell 4, while Resistex 100 ST has a lighter woven top geotextile suitable for the floor of the cell. The Resistex 100 series of GCL products was tested until reaching chemical equilibrium at 191 days of testing and 18.1 pore volumes of inflow, and the hydraulic conductivity of the GCL was determined to be **2.7×10^{-9} cm/sec,** which exceeded the requirement of less than **3.09×10^{-9} cm/sec,** as discussed in Section 1.2. CETCO's report on leachate analysis and hydraulic conductivity testing of the GCL is attached as Appendix B.

Prior to manufacturing, proposed material properties of the GCL products were submitted to Carlson McCain and Xcel Energy to ensure the materials met project specifications and could withstand pressure gradients and stresses of installation, daily operation, external hydrogeologic forces, and climatic conditions. While manufacturing the GCL, CETCO completed material quality control testing and results were provided to verify project specifications were met. Rolls delivered to the site were verified to match the roll numbers tested by CETCO to confirm the correct rolls were delivered.

The subgrade was compacted and smooth-rolled prior to GCL installation, to ensure the GCL was placed upon a foundation capable of providing support to the liner and withstanding differential settlement or uplift.

During installation, all overlaps of the GCL were sealed with accessory bentonite per manufacturer's recommendations. Accessory bentonite was confirmed to be the same polymer-enhanced bentonite (Resistex 100) as used in the production of the GCL, to ensure compatibility with leachate generated in the landfill by CCR. The results of the GCL Manufacturer's Quality Control (MQC) testing and installation data are provided as Appendix C.

1.4.2 Geomembrane Construction Verification

Material properties of the 60-mil HDPE GM used for Cell 4 were submitted to Carlson McCain and Xcel Energy from the manufacturer, Agru America, Inc. (Agru), prior to manufacturing. Properties of the proposed GM were checked to meet the requirements of the specifications and of Geosynthetics Research Institute (GRI) Test Method GM13 *(GRI GM13)*. As the geomembrane rolls were manufactured, they were tested continuously in accordance with GM13. Following manufacturing, the results of MQC tests were submitted to Carlson McCain and Xcel Energy and the rolls were delivered to the site. On-site roll numbers were checked against the roll numbers tested by Agru to ensure the correct material was delivered.

Global Containment Systems, Inc. (GCS) was hired by the general contractor to install the GCL and GM. The GM of the alternate composite liner was installed directly over the GCL, with smooth GM installed on the floor and textured GM installed over the slopes to prevent slippage of the overlying granular drainage layer. The alternative composite liner was installed over all surrounding earth likely to be in contact with CCR. Dikes will not be constructed on top of the liner system. During installation, GCS performed routine quality control checks to ensure all GCL and GM was installed and seamed correctly. All GM seams were tested using a non-destructive air test to ensure seam integrity and the absence of leaks. Following the completion of air testing, destructive tests were marked, cut-out, and tested using the on-site calibrated tensiometer against the requirements of GRI Test Method GM19 *(GRI GM19)* to ensure seam strengths were met. Additional samples were sent to an independent laboratory, Texas Research Institute (TRI), to verify the results of the on-site tensiometer. All defects, holes, and cut-out destruct tests were repaired with a patch and vacuum tested. The results of all MQC, field quality control, and seam testing results are included as Appendix D.

1.5 Leachate Collection System Design and Construction

The leachate collection system was designed with a 12 inch granular drainage layer covering the GM component of the alternative composite liner. Granular drainage material has a minimum hydraulic conductivity of 1×10^{-3} cm/sec. Material test reports of the granular drainage material indicate an average hydraulic conductivity of 2.9×10^{-2} cm/sec, which far exceeds the minimum specified requirement. Granular drainage material test reports are included in Appendix E. Leachate collection header and lateral trenches are positioned throughout Cell 4 to collect and drain leachate to a sump constructed on the east side of the cell. Leachate collection trenches feature perforated HDPE collection pipes enclosed in an aggregate filter pack to prevent clogging. Cleanout pipes are also located around the cell to maintain the leachate collection system. The sump features leachate intake manifold piping surrounded by an aggregate filter pack. Particle size distribution tests of the granular drainage material and filter aggregates for the sump and collection trenches, along with an analysis of filter media are included in Appendix E. From the intake manifold, a submersible pump discharges leachate through HDPE riser pipes to a pump

house at the east end of the cell, where controls for the pump are located. From the pump house, dual-contained HDPE forcemain discharges leachate to existing U3LF leachate sewer which drains to the Retention Pond. The leachate collection system was designed and constructed of materials chemically resistant to the CCR and leachate expected to be generated. The cell was designed with adequate slopes for the drainage layer and leachate collection trenches to drain leachate generated in the cell and maintain less than a 30 cm depth of leachate over the alternative composite liner. An analysis of the leachate collection system was conducted using the Environmental Protection Agency (EPA) Hydrologic Evaluation of Landfill Performance (HELP) Model, version 4.0.1, for the landfill for an open condition of 10 years, since final closure is estimated to occur in 2032, approximately 2 years after plant closure in 2030. The HELP Model indicates a peak head of leachate on the GM of 6.36 inches (16.16 cm), which meets the criterion of a maximum head of 30 cm on the GM, according to §257.70(d)(1). A model was also run for the closed condition of the landfill for 30 years of required post-closure care. The HELP model for the closed condition features a final cover, as described in the *Closure Plan* (Carlson McCain, 2022), meeting §257.102(d)(3) and indicates a peak head of 1.11 inches (2.83 cm) of leachate above the GM, meeting requirements of the Rules. HELP Model results are attached as Appendix F.

Leachate collection pipes are of sufficient strength and thickness to prevent collapse under pressures exerted by overlying waste at maximum design elevation of the landfill and by equipment operated at the landfill. Pipe strength calculations showing this are attached as Appendix G.

The leachate collection system will be operated and maintained in accordance with the *Operations and Maintenance Plan* (Carlson McCain, 2013) for the active life of the landfill, and upon closing in accordance with the *Closure Plan* (Carlson McCain, 2022) and *Post-Closure Care Plan* (Carlson McCain, 2022) to ensure clogging will be minimized and the system will remain operable.

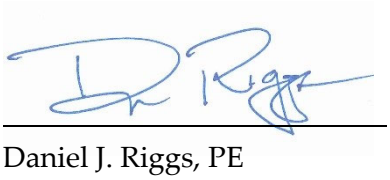
2.0 CONCLUSION

As demonstrated by the information in this report, Cell 4 of the Sherco Unit 3 Landfill was designed and constructed with an alternative composite liner and leachate collection system in accordance with the requirements of §257.70.

3.0 CERTIFICATION

I hereby certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

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 Engineer under the laws of the state of Minnesota.



July 7, 2023

Daniel J. Riggs, PE
License No. 49559

Date

4.0 REFERENCES

Carlson McCain, Inc. (October 1, 2013). "Operations and Maintenance Plan", Maple Plain, Minnesota.

Geosynthetic Institute (rev. March 17, 2021) "GRI – GM13 Standard Specification: Test Methods, Test Properties and Testing Frequency for High Density Polyethylene (HDPE) Smooth and Textured Geomembranes." Folsom, Pennsylvania.

Geosynthetic Institute (rev. March 18, 2021) "GRI – GM19a Standard Specification: Seam Strength and Related Properties of Thermally Bonded Polyolefin Geomembranes/Barriers". Prepared by Geosynthetic Research Institute,

References (included in Operating Record and Website)

Carlson McCain, Inc. (Revision No. 2). "Closure Plan, Unit 3 Landfill, Sherburne County Generating Plant", CCR Compliance Document, Plymouth, Minnesota.

Carlson McCain, Inc. (Revision No. 2). "Post-Closure Care Plan, Unit 3 Landfill, Sherburne County Generating Plant", CCR Compliance Document, Plymouth, Minnesota.

APPENDIX A – Cell Subgrade Common Fill Test Reports

Common Fill Standard Proctor Test Reports
Common Fill Density Test Reports

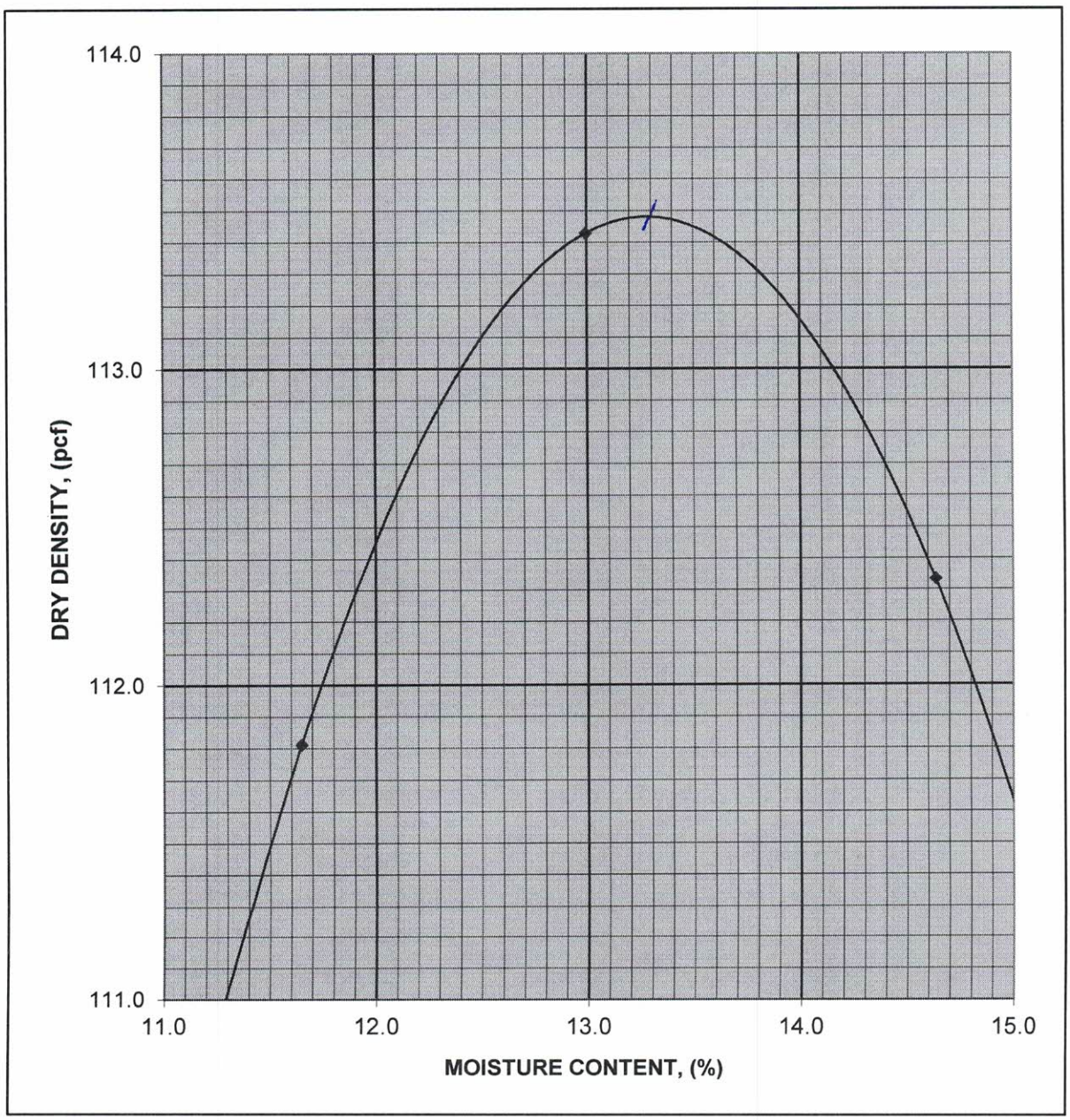
Common Fill Standard Proctor Test Reports

INDEPENDENT TESTING TECHNOLOGIES INC., 337 31st Ave. South Waite Park, MN 56387
Phone (320) 253-4338 Fax (320) 253-4547

CLIENT:	Veit & Company	SAMPLE # :	P-1
PROJECT:	Sherco Cell & Capping	PROCTOR TYPE:	STD
	Becker, MN	ASTM D:	698
PROJECT #	22-221	METHOD:	B
TEST DATE:	7/14/2022		

SOIL CLASSIFICATION: SP Poorly Graded Sand, fine to medium grained w/a trace of Gravel, brown

OPTIMUM MOISTURE CONTENT 13.3% MAXIMUM DENSITY 113.5 pcf

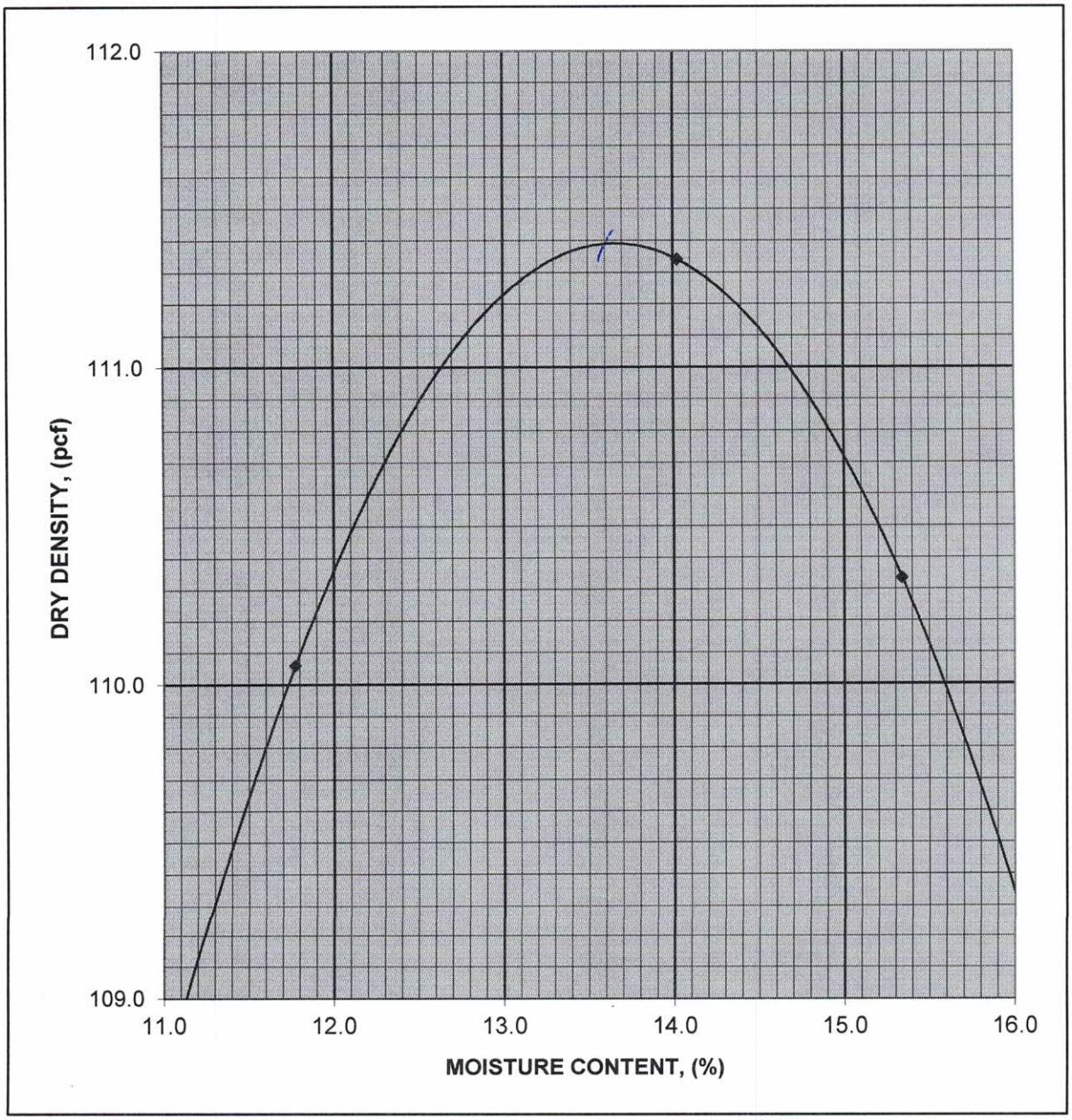


INDEPENDENT TESTING TECHNOLOGIES INC., 337 31st Ave. South Waite Park, MN 56387
Phone (320) 253-4338 Fax (320) 253-4547

CLIENT:	Veit & Company	SAMPLE # :	P-2
PROJECT:	Sherco Cell & Capping	PROCTOR TYPE:	STD
	Becker, MN	ASTM D:	698
PROJECT #	22-221	METHOD:	B
TEST DATE:	7/14/2022		

SOIL CLASSIFICATION: SP Poorly Graded Sand, fine to medium grained w/a trace of Gravel, brown

OPTIMUM MOISTURE CONTENT 13.6% MAXIMUM DENSITY 111.4 pcf

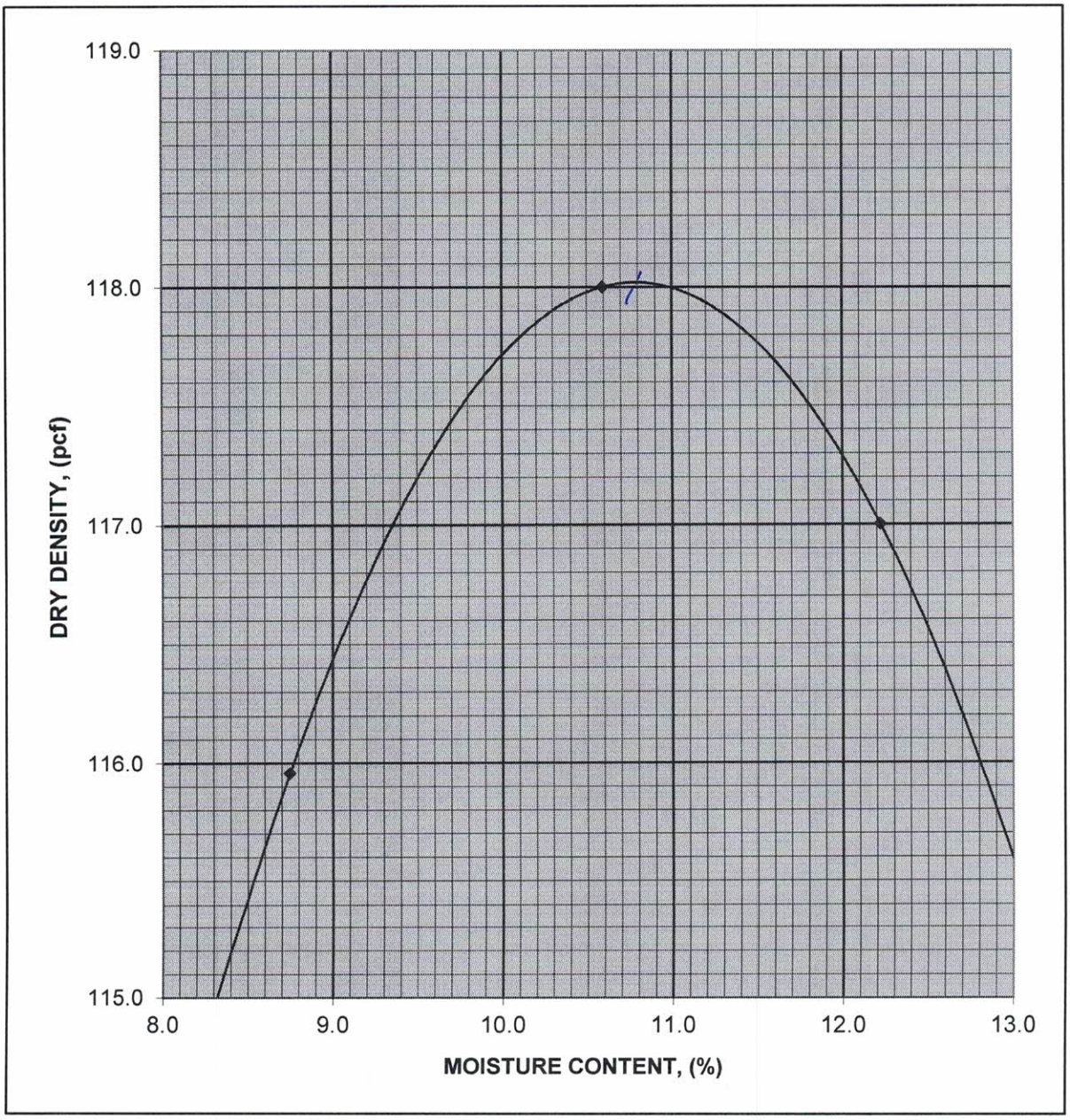


INDEPENDENT TESTING TECHNOLOGIES INC., 337 31st Ave. South Waite Park, MN 56387
Phone (320) 253-4338 Fax (320) 253-4547

CLIENT:	Veit & Company	SAMPLE # :	P-3
PROJECT:	Sherco Cell & Capping	PROCTOR TYPE:	STD
	Becker, MN	ASTM D:	698
PROJECT #	22-221	METHOD:	C
TEST DATE:	7/28/2022		

SOIL CLASSIFICATION: SP Poorly Graded Sand, fine to medium grained w/a little Gravel, brown

OPTIMUM MOISTURE CONTENT 10.8% MAXIMUM DENSITY 118 pcf



Common Fill Density Test Reports

INDEPENDENT TESTING TECHNOLOGIES, INC.
337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

REPORT OF FIELD COMPACTION

Report Date: July 22, 2022

Client: **Veit & Company**
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: ***tlibbesmeier@veitusa.com***

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

corrected

X Nuclear Method (ASTM D6938)
___ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
___ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
1	7/15/22	P-1	SP	13.3	113.5	5.1	110.3	97%	95%	**PASS**
2	7/15/22	P-1	SP	13.3	113.5	7.4	113.5	100%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
1	East Berm, Middle	975
2	East Berm, Northeast Corner	975

Remarks:

Submitted By:

Tyler T Burkes, EIT, Graduate Engineer

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Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
3	7/19/22	P-2	SP	13.6	111.4	3.1	107.1	96%	95%	**PASS**
4	7/19/22	P-2	SP	13.6	111.4	7.0	110.4	99%	95%	**PASS**
5	7/19/22	P-2	SP	13.6	111.4	8.0	111.8	100%	95%	**PASS**

Benchmark: ***

Technician: MW

Test #	Test Location	Elevation
3	E 2023920.35, N 872322.85	967
4	E 2023451.30, N 872304.50	959.9
5	E 2023748.65, N 872208.05	959.2

Remarks:

Submitted By:

Tyler T Burkes

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X Standard Proctor (ASTM D698)
___ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
6	7/21/22	P-2	SP	13.6	111.4	12.1	108.9	98%	95%	**PASS**
7	7/21/22	P-1	SP	13.6	113.5	10.7	113.8	100%	95%	**PASS**
8	7/21/22	P-1	SP	13.6	113.5	15.4	113.6	100%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
6	N872258.25 E2023687.85	966.5
7	N872222.00 E2023729.85	965.8
8	N872235.25 E2023832.55	967.65

Remarks:

Submitted By:

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Rogers, MN 55374

Email: ***tlibbesmeier@veitusa.com***

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
____ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
____ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
9	7/22/22	P-1	SP	13.3	113.5	7.9	109.6	97%	95%	**PASS**
10	7/22/22	P-1	SP	13.3	113.5	9.0	112.8	99%	95%	**PASS**
11	7/22/22	P-1	SP	13.3	113.5	8.8	113.4	100%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
9	N872209.5 E2023672.8	969.5
10	N872250.75 E2023555.0	967.5
11	N872200.0 E2023788.85	968.5

Remarks:

Submitted By:

Tyler T Burkes

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337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
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REPORT OF FIELD COMPACTION

Report Date: July 26, 2022

Client: **Veit & Company**
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: ***tlibbesmeier@veitusa.com***

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
___ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
___ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
12	7/25/22	P-1	SP	13.3	113.5	8.9	113.2	100%	95%	**PASS**
13	7/25/22	P-1	SP	13.3	113.5	7.2	111.9	99%	95%	**PASS**
14	7/25/22	P-1	SP	13.3	113.5	9.3	113.6	100%	95%	**PASS**
15	7/25/22	P-1	SP	13.3	113.5	14.2	112.2	99%	95%	**PASS**
16	7/25/22	P-1	SP	13.3	113.5	6.6	112.8	99%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
12	N872233 E2023786	973
13	N872196 E2023771	973
14	N872207 E2023688	971.6
15	N872278 E2023606	967.8
16	N872339 E2023512	965.5

Remarks:

Submitted By:

Tyler T Burkes, EIT, Graduate Engineer

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REPORT OF FIELD COMPACTION

Report Date: July 26, 2022

Client: **Veit & Company**
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: ***tlibbesmeier@veitusa.com***

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
____ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
____ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
17	7/26/22	P-1	SP	13.3	113.5	10.1	114.5	101%	95%	**PASS**
18	7/26/22	P-1	SP	13.3	113.5	10.4	113.4	100%	95%	**PASS**
19	7/26/22	P-1	SP	13.3	113.5	12.4	111.2	98%	95%	**PASS**
20	7/26/22	P-1	SP	13.3	113.5	10.3	110.7	98%	95%	**PASS**
21	7/26/22	P-1	SP	13.3	113.5	8.7	112.6	99%	95%	**PASS**
22	7/26/22	P-1	SP	13.3	113.5	8.4	109.8	97%	95%	**PASS**

Benchmark: ***

Technician: MW

Test #	Test Location	Elevation
17	N872221.0 E2023830.8	977.5
18	N872219.0 E2023765.6	977.3
19	N872224.7 E2023725.5	977.4
20	N872202.2 E2023693.3	977.5
21	N872227.7 E2023656.2	974.2
22	N872254.6 E2023633.2	972

Remarks:

Submitted By:

Tyler T Burkes, EIT, Graduate Engineer

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REPORT OF FIELD COMPACTION

Report Date: July 28, 2022

Client: **Veit & Company**
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I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
____ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
____ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
23	7/27/22	P-1	SP	13.3	113.5	7.5	112.8	99%	95%	**PASS**
24	7/27/22	P-1	SP	13.3	113.5	5.3	110.6	97%	95%	**PASS**
25	7/27/22	P-1	SP	13.3	113.5	11.5	112.2	99%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
23	N872406.7 E2022879.3	960
24	N872482.8 E2022922.2	959.72
25	N872366.2 E2023066.4	977.4

Remarks:

Submitted By:

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REPORT OF FIELD COMPACTION

Report Date: July 29, 2022

Client: **Veit & Company**
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I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
____ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
____ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
26	7/28/22	P-1	SP	13.3	113.5	5.2	110.9	98%	95%	**PASS**
27	7/28/22	P-1	SP	13.3	113.5	9.5	111.3	98%	95%	**PASS**
28	7/28/22	P-1	SP	13.3	113.5	4.9	110.3	97%	95%	**PASS**
29	7/28/22	P-1	SP	13.3	113.5	8.7	112.8	99%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
26	N872402.85 E2022915.1	966.25
27	N872438.8 E2022890.1	966.65
28	N872497.4 E2022878.6	967.85
29	N872564.4 E2022869.7	968.8

Remarks:

Submitted By:

Tyler T Burkes

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REPORT OF FIELD COMPACTION

Report Date: July 29, 2022

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I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
____ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
____ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
30	7/29/22	P-3	SP	10.8	118.0	5.6	117.4	99%	95%	**PASS**
31	7/29/22	P-3	SP	10.8	118.0	5.3	118.2	100%	95%	**PASS**
32	7/29/22	P-3	SP	10.8	118.0	4.2	118.0	100%	95%	**PASS**
33	7/29/22	P-3	SP	10.8	118.0	4.5	116.6	99%	95%	**PASS**
34	7/29/22	P-3	SP	10.8	118.0	14.4	113.9	97%	95%	**PASS**
35	7/29/22	P-3	SP	10.8	118.0	13.8	112.1	95%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
30	N872260.5 E2023600.6	977.3
31	N8722311.6 E2023528.9	977.2
32	N872355.8 E2023454.3	977.3
33	N872366 E2023379.2	977.3
34	N872485.8 E2022859.4	971
35	N872512.9 E2022801.5	972.8

Remarks:

Submitted By:

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REPORT OF FIELD COMPACTION

Report Date: July 29, 2022

Client: **Veit & Company**
Tom Libbesmeier
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I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
____ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
____ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
36	7/29/22	P-3	SP	10.8	118.0	11.2	114.3	97%	95%	**PASS**
37	7/29/22	P-3	SP	10.8	118.0	6.6	115.0	97%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
36	N872600.2 E2022816.4	972.4
37	N872414.2 E2022875.7	969.8

Remarks:

Submitted By:

Tyler T Burkes

Tyler T Burkes, EIT, Graduate Engineer

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REPORT OF FIELD COMPACTION

Report Date: August 2, 2022

Client: **Veit & Company**
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: ***tlibbesmeier@veitusa.com***

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
___ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
___ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
38	8/1/22	P-1	SP	13.3	113.5	12.1	109.0	96%	95%	**PASS**
39	8/1/22	P-1	SP	13.3	113.5	18.7	113.6	100%	95%	**PASS**
40	8/1/22	P-1	SP	13.3	113.5	8.3	110.3	97%	95%	**PASS**
41	8/1/22	P-1	SP	13.3	113.5	9.6	114.1	101%	95%	**PASS**

Benchmark: ***

Technician: MW

Test #	Test Location	Elevation
38	N872308.95 E2022801.75	972.15
39	N872405.25 E2022860.5	973.6
40	N872527.1 E2022863.1	973.9
41	N872545.5 E2022814.3	974.5

Remarks:

Submitted By:

Tyler T Burkes, EIT, Graduate Engineer

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REPORT OF FIELD COMPACTION

Report Date: August 5, 2022

Client: **Veit & Company**
Tom Libbesmeier
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Rogers, MN 55374

Email: ***tlibbesmeier@veitusa.com***

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
___ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
___ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
42	8/3/22	P-3	SP	10.8	118.0	12.9	114.3	97%	95%	**PASS**
43	8/3/22	P-3	SP	10.8	118.0	7.6	112.1	95%	95%	**PASS**
44	8/3/22	P-3	SP	10.8	118.0	6.5	112.0	95%	95%	**PASS**
45	8/3/22	P-3	SP	10.8	118.0	12.0	116.5	99%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
42	N872487.3 E2022836.8	979.6
43	N872552.0 E2022848.4	980.5
44	N872604.3 E2022836.7	978.1
45	N872619.7 E2022802.7	978.1

Remarks:

Submitted By:

Tyler T Burkes, EIT, Graduate Engineer

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REPORT OF FIELD COMPACTION

Report Date: August 4, 2022

Client: **Veit & Company**
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: ***tlibbesmeier@veitusa.com***

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

X Nuclear Method (ASTM D6938)
____ Sand Cone Method (ASTM D1556)

X Standard Proctor (ASTM D698)
____ Modified Proctor (ASTM D1557)

Test #	Test Date	Proctor ID #	Soil Classification	Optimum Moisture	Max Lab Dry Density	In Place % Moisture	In Place Dry Density	Percent Compaction	Specified Compaction	Result
46	8/4/22	P-3	SP	10.8	118.0	7.1	116.8	99%	95%	**PASS**
47	8/4/22	P-3	SP	10.8	118.0	8.5	118.1	100%	95%	**PASS**
48	8/4/22	P-3	SP	10.8	118.0	9.9	114.2	97%	95%	**PASS**
49	8/4/22	P-3	SP	10.8	118.0	8.0	117.9	100%	95%	**PASS**

Benchmark: ***

Technician: CA

Test #	Test Location	Elevation
46	N872512.9 E2022815.1	981
47	N872552.9 E2022814.2	980.7
48	N872622.5 E2022812.3	980.1
49	N872671.2 E2022800.8	984

Remarks:

Submitted By:

Tyler T Burkes, EIT, Graduate Engineer

APPENDIX B – Alternate Liner Hydraulic Conductivity Calculations

Date: 10/25/2022
By: Dan Riggs, P.E., Brannon Peterson P.E.
Project: Xcel Sherco Unit 3 Landfill Cell 4

ALTERNATIVE COMPOSITE LINER EQUIVALENT HYDRAULIC CONDUCTIVITY CALCULATIONS

Objective:

Determine the hydraulic conductivity through a geosynthetic clay liner (GCL) needed to meet the liquid flow rate of a 2-foot compacted clay liner at 1 x 10^{-7} cm/sec permeability, using the maximum head in Unit 3 Landfill, and according to 40 CFR §257.70 (Rules).

Basis:

Determine the gravity flow rate through a porous media using Darcy's Law; then determine the equivalent GCL hydraulic conductivity needed to meet the clay liner flow rate:

Darcy's Law: $\frac{Q}{A} = q = k(\frac{h}{t} + 1)$

Where:

Q = flow rate through liner (cm^3/sec)
q = flow rate per unit area, i.e., flux (cm/sec)
k = vertical hydraulic conductivity (cm^3/cm^2/sec)
h = hydraulic head on liner (cm)
t = thickness of porous media (cm)
A = area; the area is the same for both GCL and compacted clay and therefore doesn't factor into the analysis.

Assumptions

1. k_{clay} = 1*10^{-7} cm/s (maximum allowed hydraulic conductivity, according to §257.70(c)(2))
2. h = 30 cm (maximum allowable head on the Cell 4 liner, according to of §257.70(d)(1))
3. t_{clay} = 2 feet = 60.96 cm
4. t_{GCL} = 0.25 inches = 0.635 cm

Calculations

To determine the flux through the clay:

$$q_{clay} = k_{clay} * (\frac{h}{t_{clay}} + 1)$$

$$q_{clay} = \left(1 * 10^{-7} \frac{cm}{s}\right) * \left(\frac{30\ cm}{60.96 cm} + 1\right) = 1.49 * 10^{-7} cm/s$$

Determine equivalent GCL Hydraulic Conductivity:

$$q_{clay} \geq q_{GCL}$$

$$q_{GCL} = 1.49 * 10^{-7} \frac{cm}{s} \geq k_{GCL} * (\frac{h}{t_{GCL}} + 1)$$

Where $t_{GCL} = 0.25\ in = 0.635\ cm$

Solving for hydraulic Conductivity:

$$k_{GCL} \leq \frac{q_{GCL}}{(\frac{h}{t_{GCL}} + 1)}$$

$$k_{GCL} \leq \frac{1.49 * 10^{-7} cm/s}{\left(\frac{30\ cm}{0.635\ cm} + 1\right)} = 3.09 * 10^{-9} cm/s$$

Summary

The hydraulic conductivity of the GCL for Cell 4 must be no greater than 3.09 x $10^{-9} cm/s$ to meet the requirement of a liquid flow rate no greater than as through 2 feet of compacted clay liner, in accordance with of §257.70(c)(2).

APPENDIX C – Geosynthetic Clay Liner Hydraulic Conductivity Laboratory Testing

CETCO 2870 Forbs Avenue Hoffman Estates, IL 60192
847.851.1800 800.527.9948 Fax 847.851.1339 www.cetco.com

April 19, 2021

Daniel J. Riggs, P.E
CARLSON McCAIN
15650 36th Ave N.
Plymouth, MN 55446

RE: Xcel Energy Sherco Cell 4
Summary of Findings for Hydraulic Conductivity Testing of GCLS for Application Compatibility.

Dear Mr. Riggs,

The purpose of this letter is to present the final results of the compatibility testing of the CETCO® Resistex® 100 geosynthetic clay liner for the above-mentioned project. Interim findings were previously conveyed for the Tier I & II testing (and are attached) for this project, and this final report is made after termination of the permeability testing. All testing was performed at the CETCO in-house GAI-LAP accredited laboratory located in Hoffman Estates, Illinois.

CETCO initiated a geosynthetic clay liner (GCL) chemical compatibility evaluation as outlined in our Technical Reference (TR-345, attached) after receiving representative sample of site leachate. Completion of Tier I & II evaluations indicated that a standard GCL (such as Bentomat®) in the presence of the leachate would not likely provide suitable performance as defined by permeability. CETCO initiated Tier III testing of Resistex® 100 after finishing Tier I & II.

Permeability testing was completed in general accordance with ASTM D6766, Scenario II with the leachate. For this testing, a cell pressure of 80 pounds per square inch (psi), 77 psi headwater pressure and 75 psi tailwater pressure were utilized and represent test conditions that CETCO utilizes in evaluating our GCL products. It should be noted that testing utilizing field condition pressures could yield different results.

Permeability testing on Resistex® 100 was terminated after reaching steady state conditions. The final Resistex® 100 permeability for the leachate was 2.70×10^{-9} cm/sec after 18.1 pore volumes and 4588 hours.

Please feel free to contact me for further information.

Sincerely,

M. Reza. Gorakhki, Ph.D.

M. Reza Gorakhki

Technical Services Engineer, Environmental Products
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Hoffman Estates, IL 60192 USA
C 952.334.8530
Email: Reza.gorakhki@mineralstech.com

EVALUATING GCL CHEMICAL COMPATIBILITY

Sodium bentonite is an effective barrier primarily because it can absorb water (i.e., hydrate and swell), producing a dense, uniform layer with extremely low hydraulic conductivity, on the order of 10^{-9} cm/sec. Water absorption occurs because of the unique physical structure of bentonite and the complementary presence of sodium ions in the interlayer region between the bentonite platelets. Sodium bentonite's exceptional hydraulic properties allow GCLs to be used in place of much thicker soil layers in composite liner systems.

Sodium bentonite which is hydrated and permeated with relatively "clean" water will perform as an effective barrier indefinitely. In addition, past testing and experience have shown that sodium bentonite is chemically compatible with many common waste streams, including Subtitle D municipal solid waste landfill leachate (TR-101 and TR-254), some petroleum hydrocarbons (TR-103), deicing fluids (TR-109), livestock waste (TR-107), and dilute sodium cyanide mine wastes (TR-105).

In certain chemical environments, the interlayer sodium ions in bentonite can be replaced with cations dissolved in the water that comes in contact with the GCL, a process referred to as ion exchange. This type of exchange reaction can reduce the amount of water that can be held in the interlayer, resulting in decreased swell. The loss of swell usually causes increased porosity and increased GCL hydraulic conductivity. Experience and research have shown that calcium and magnesium are the most common source of compatibility problems for GCLs (Jo et al, 2001, Shackelford et al, 2000, Meer and Benson, 2004, Kolstad et al, 2004/2006). Examples of liquids with potentially high calcium and magnesium concentrations include: leachates from lime-stabilized sludge, soil, or fly ash; extremely hard water; unusually harsh landfill leachates; and acidic drainage from calcareous soil or stone. Other cations (ammonium, potassium, and sodium) may contribute to compatibility problems, but they are generally not as prevalent or as concentrated as calcium (Alther et al, 1985), with the exception of brines and seawater. Even though these highly concentrated solutions do not necessarily contain high levels of calcium, their high ionic strength can reduce the amount of bentonite swelling, resulting in increased GCL hydraulic conductivity.

This reference discusses the tools that can be used by a design engineer to evaluate GCL chemical compatibility with a site-specific leachate or other liquid.

HOW IS GCL CHEMICAL COMPATIBILITY EVALUATED?

Ideally, concentration-based guidelines would be available for determining GCL compatibility with a site-specific waste. Unfortunately, considering the variety and chemical complexity of the liquids that may be evaluated, as well as the many variables that influence chemical compatibility (e.g., prehydration with subgrade moisture [TR-222], confining stress [TR-321], and repeated wet-dry cycling [TR-341]), it is not possible to establish such guidelines. Instead, a three-tiered approach to evaluating GCL chemical compatibility is recommended, as outlined below.

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Tier I

The first tier is a simple review of existing analytical data. The topic of GCL chemical compatibility has been the subject of much study in recent years, with several important references available in the literature. One of these references, Kolstad et al (2004/2006), reported the results of several long-term hydraulic conductivity tests involving GCLs in contact with various multivalent (i.e., containing both sodium and calcium) salt solutions. Based on the results of these tests, the researchers found that a GCL's long-term hydraulic conductivity (as determined by ASTM D6766) can be estimated if the ionic strength (I) and the ratio of monovalent to divalent ions (RMD) in the permeant solution are both known, using the following empirical expression:

$$\frac{\log K_c}{\log K_{DI}} = 0.965 - 0.976 \times I + 0.0797 \times RMD + 0.251 \times I^2 \times RMD$$

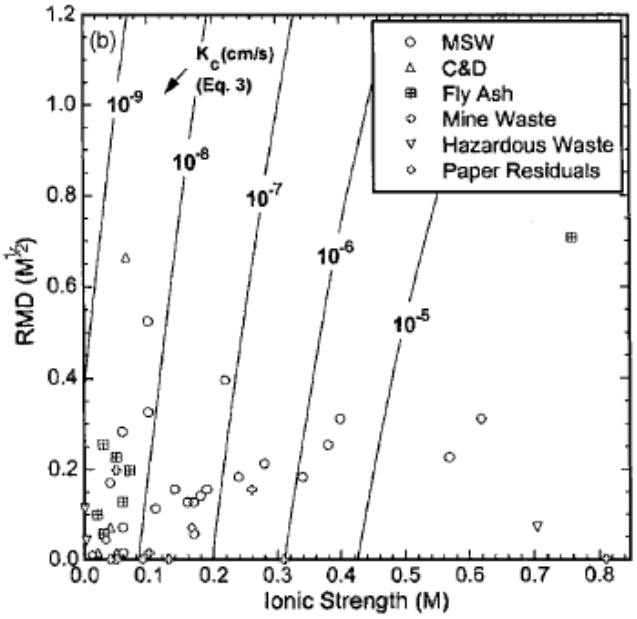
where:

I = ionic strength (M) of the site-specific leachate.

RMD = ratio of monovalent cation concentration to the square root of the divalent cation concentration ($M^{1/2}$) in the site-specific leachate.

K_c = GCL hydraulic conductivity when hydrated and permeated with site-specific leachate (cm/sec).

K_{DI} = GCL hydraulic conductivity with deionized water (cm/sec).



Using this tool, a Tier I compatibility evaluation can be performed if the major ion concentrations (typically, calcium, magnesium, sodium, and potassium) and ionic strength (estimated from either the total dissolved solids [TDS], or electrical conductivity [EC]) of the site leachate are known. For example, using the relationship above and MSW leachate data available in the literature, Kolstad et al. were able to conclude that high hydraulic conductivities (i.e., $>10^{-7}$ cm/sec) are unlikely for GCLs in base liners in many solid waste containment facilities.

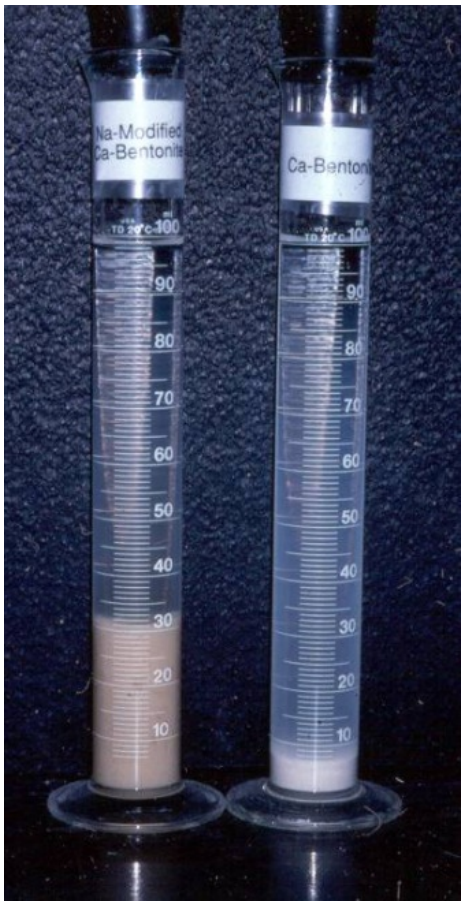
In many cases, the Tier I evaluation is sufficient to show that a site-specific leachate should not pose compatibility problems. However, if the analytical data indicate a potential impact to GCL hydraulic performance, or if there is no analytical data available, then it is necessary to proceed to the second tier, involving bentonite "screening" tests, which are described below.

Tier II

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The next tier of compatibility testing involves bentonite screening tests, performed in accordance with ASTM Method D6141. These tests are fairly straightforward, and can be performed at one of CETCO's R&D laboratories or at most commercial geosynthetics testing laboratories.

Liquid samples should be obtained very early in the project, such as during the site hydrogeological investigation. It is important that the sample collected is representative of actual site conditions. Synthetic leachate samples may also be considered for use in the compatibility tests. The objective is to create a liquid representative of that which will come in contact with the GCL. At least 1-gallon (4-Liter) of each sample should be submitted for testing. Samples should be accompanied by a chain-of-custody or information form. When a sample is received at the CETCO laboratory, the following screening tests are performed to assess compatibility:



- Fluid Loss (ASTM D5890) – A mixture of sodium bentonite and the site water/leachate is tested for fluid loss, an indicator of the bentonite's sealing ability.
- Swell Index (ASTM D5891) – Two grams of sodium bentonite are added to the site water/leachate and tested for swell index, the volumetric swelling of the bentonite.
- Water quality – The pH and EC of the site water/leachate are measured using bench-top water quality probes. pH will indicate if any strong acids (pH < 2) or bases (pH > 12) are present which might damage the bentonite clay. EC indicates the strength of dissolved salts in the water, which can hamper the swelling and sealing properties of bentonite if present at high concentrations.
- Chemistry – The site water/leachate is analyzed for major dissolved cations using ICP. The analytical results can then be used to perform a Tier I assessment, if one has not already been done.

As part of this testing, fluid loss and free swell tests are also performed on clean, deionized, or "DI" water for comparison to the results obtained with the site water/leachate sample. Sodium bentonite tested with DI water is expected to have a free swell of at least 24 mL/2g and a fluid loss less than 18 mL. Changes in bentonite swell and fluid loss indicate that the constituents dissolved in the site water may have an impact on GCL hydraulic conductivity. However, since it is only a screening tool, there are no specific values for the fluid loss and swell index tests that the clay must meet in order to be considered chemically compatible with the test liquid in question. Differences between the results of the baseline tests and those conducted with the site leachate may warrant further hydraulic testing.

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A major drawback of the D6141 tests is the potential for a false “negative” result, meaning that the bentonite swell index or fluid loss might predict no impact to hydraulic performance, where in reality, there may be a long-term adverse effect. This is primarily a concern with dilute calcium or magnesium solutions, which may slowly affect GCL hydraulic performance over months or years. Short-term (2-day) bentonite screening tests would not be able to capture this type of long-term effect. This is not expected to be a concern with strong calcium or magnesium or high ionic strength solutions, which have been shown to impact GCL hydraulic conductivity almost immediately, and whose effects would therefore be captured by the short-term bentonite screening tests. Another limitation of the bentonite screening tests is their inability to simulate site conditions, such as clean water prehydration, increased confining pressure, and wet/dry cycling. These limitations can be in part addressed by moving to the third tier, a long-term GCL hydraulic conductivity test, discussed below.



Tier III

The third-tier compatibility evaluation consists of an extended GCL hydraulic conductivity test performed in accordance with ASTM D6766. This test method is essentially a hydraulic conductivity test, but instead of permeating the GCL sample with DI water, the site-specific leachate is used. Since leachates can often be hazardous, corrosive, or volatile, the testing laboratory must have permeant interface devices, such as bladder accumulators, to contain the test liquid in a closed chamber, and prevent contamination of the flow measurement and pressure systems, or release of chemicals to the ambient air.

Method D6766 provides some flexibility in specifying the testing conditions so that certain site conditions can be simulated. For example, in situations where the GCL will be deployed on a subgrade soil that is compacted wet of optimum, the GCL will very likely hydrate from the relatively clean moisture in the subgrade (TR-222), long before it comes in contact with the potentially aggressive site leachate. Lee and Shackelford (2005) showed that a GCL which is pre-hydrated with clean water before being exposed to a harsh solution is expected to exhibit a lower hydraulic conductivity than one hydrated directly with the solution. Depending on the expected site conditions, the D6766 test can be specified to pre-hydrate the GCL with either water (Scenario 1) or the site liquid (Scenario 2).

Another site-specific consideration is confining pressure. Certain applications, such as landfill bottom liners and mine heap leach pads, involve up to several hundred feet of waste, resulting in high compressive loads on the liner systems. Although the standard confining pressure for

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the ASTM D6766 test is 5 psi (representing less than 10 feet of waste), the test method is flexible enough to allow greater confining pressures, thus mimicking conditions in a landfill bottom liner or heap leach pad. Petrov et al (1997) showed that higher confining pressures will decrease bentonite porosity, and tend to decrease GCL permeability. TR-321 shows that higher confining pressures will improve hydraulic conductivity even when the GCL is permeated with aggressive calcium solutions.

ASTM D6766 has two sets of termination criteria: hydraulic and chemical. To meet the hydraulic termination criterion, the ratio of inflow rate to outflow rate from the last three readings must be between 0.75 and 1.25. It normally takes between one week and one month to reach the hydraulic termination criterion. To meet the chemical termination criterion, the test must continue until at least two pore volumes of flow have passed through the sample and chemical equilibrium is established between the effluent and influent. The test method defines chemical equilibrium as effluent electrical conductivity within ±10% of the influent electrical conductivity. This requirement was put in place to ensure that a large enough volume of site liquid passes through the sample to allow slow ion exchange reactions to occur. Two pore volumes can take approximately a month to permeate through the GCL sample. However, reaching chemical equilibrium (effluent EC within 10% of influent EC), may take more than a year of testing, depending on the leachate characteristics.

ASTM D6766 is a very useful tool which provides a fairly conclusive assessment of GCL chemical compatibility with a site-specific leachate. However, the major drawback of the D6766 test is the potentially long period of time required to reach chemical equilibrium. This limitation reinforces the need for upfront compatibility testing early in the project. Clearly, requiring the contractor to perform this testing during the construction phase is not recommended.

WHAT DO THE ASTM D6766 COMPATIBILITY TEST RESULTS MEAN?

ASTM D6766 is currently the state-of-the-practice in the geosynthetics industry for evaluating long-term chemical compatibility of a GCL with a particular site waste stream. An ASTM D6766 test that is properly run until both the hydraulic (inflow and outflow within ±25% over three consecutive readings) and chemical (effluent EC within ±10% of influent EC) termination criteria are achieved, provides a good approximation of the GCL's long-term hydraulic conductivity when exposed to the site leachate. Jo et al (2005) conducted several GCL compatibility tests with weak calcium and magnesium solutions, with some tests running longer than 2.5 years, representing several hundred pore volumes of flow. The intent of this study was to run the tests until complete ion exchange had occurred, which required even stricter chemical equilibrium termination criteria than the D6766 test. The study found that the final GCL hydraulic conductivity values measured after complete ion exchange were fairly close to (within 2 to 13 times) the hydraulic conductivity values determined by ASTM D6766 tests, which took much less time to complete.

The laboratory that performs the chemical compatibility test, whether it is the CETCO R&D laboratory or an independent third-party laboratory, is only reporting the test results under the specified testing conditions, and is not making any guarantees about actual field performance or the suitability of a GCL for a particular project. It is the design engineer's responsibility to incorporate the D6766 results into their design to determine whether the GCL will meet the

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overall project objectives. Neither the testing laboratory nor the GCL manufacturer can make this determination.

Also, it is important to note that the results of D6766 testing for a particular project are only applicable for that site, for the specific waste stream that is tested, and only for the specific conditions replicated by the test. For instance, D6766 testing performed at high normal loads representative of a landfill bottom liner should not be applied to a situation where the GCL will only be placed under a modest normal load, such as a landfill cover or pond. Similarly, the results of a D6766 test where the GCL was pre-hydrated with clean water should not be applied to sites located in extremely arid climates where little subgrade moisture is expected, unless water will be applied manually to the subgrade prior to deployment. And finally, since D6766 tests are normally performed on continuously hydrated GCL samples, the test results should not be applied to situations where repeated cycles of wetting and drying of the GCL are likely to occur, such as in some GCL-only landfill covers, as desiccation can worsen compatibility effects.

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7. CETCO TR-107, “GCL Compatibility with Livestock Waste”.
8. CETCO TR-109, “GCL Compatibility with Airport De-Icing Fluid”.
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CETCO **Laboratory Services Report**

CETCO EP Project Information	
Project Name	Xcel Energy Sherco Cell 4
Location	Minnesota
Project Type	Leachate Xcel
Leachate Code Number	LT 20-7
Leachate Description	Landfill Leachate
Leachate Type	0
Actual pH	7.504
Actual EC (uS/cm)	2,818
Calculations	**Leachate Xcel**
ICP Estimated EC (uS/cm) (Snoeyink Jenkins)	3212.76
Ionic Strength Estimated by ICP (mol/L)	0.051
RMD Estimated by ICP (M^0.5)	0.126
Ratio of SO4/Cl	3.014
ICP Predicted Bentomat k @ 2 PSI (cm/sec)	2.1E-08
Index Test Results (ASTM D5890/D5891)	**LT 20-7**
R100 Fluid Loss (mL)	8.14
R100 Free Swell (mL)	27

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CETCO Laboratory Services Report

Project Name	Xcel Energy Sherco Generating Station
Leachate Description#	Leachate Xcel
Leachate Code#	LT 20-7
Ion Concentrations	Conc (ppm)
Cl-	134.000
Ag+	0.166
Al3+	0.289
As3+	ND
B4O5(OH)4	4.199
Ba2+	0.227
Ca2+	261.042
Cd2+	0.445
Cr3+	0.128
Cu2+	0.865
Fe+2	0.859
Hg2+	3.421
K+	33.373
Mg2+	18.235
Mn2+	0.999
Mo2+	0.595
Na+	229.859
Ni3+	0.458
P of PO4-3	5.018
Pb2+	2.492
Est Conc SO4-2 (ppm)	1094.320
Est Conc HSO4- (ppm)	0.003
Sb+2	0.112
Se2+	ND
Ti4+	0.039
Zn2+	0.521
Zr4+	0.136
H+(Calculated)	3.15816E-05
OH- (Calculated)	0.005

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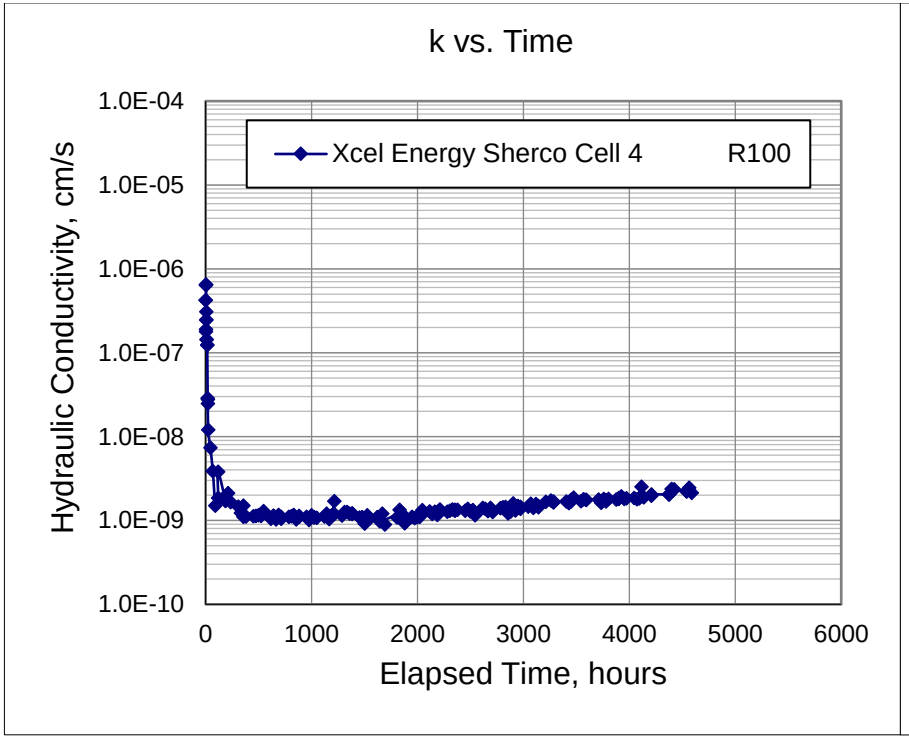
CETCO Laboratory Services Report

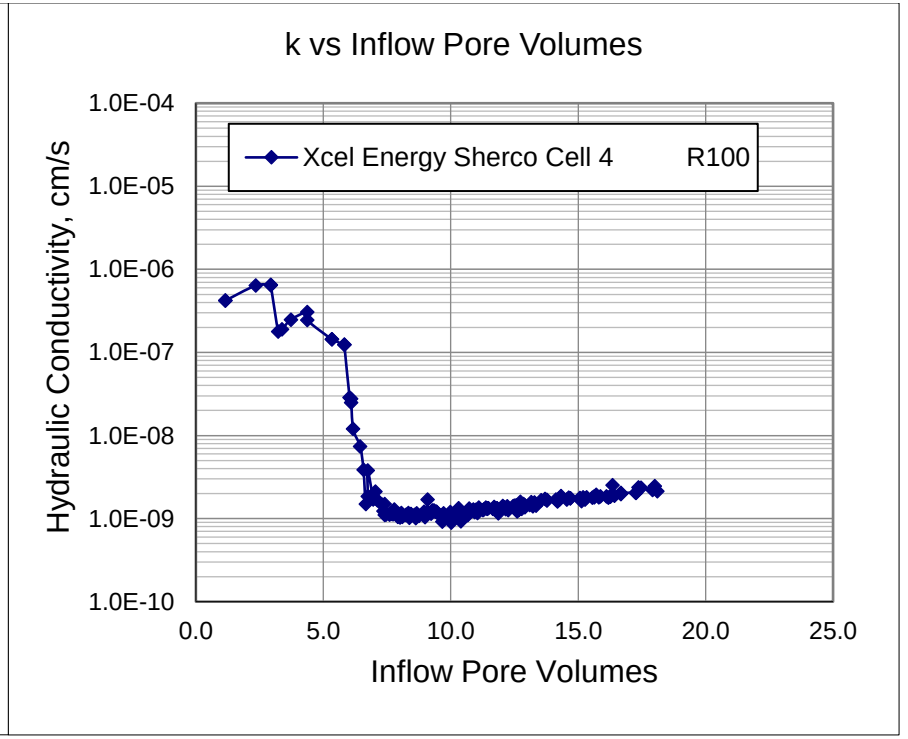
CETCO EP Project Information ASTM D6766 Perm Test Resultsest Results Accreditation: GRI-LAP-22-97	
Project	Xcel Energy Sherco Cell 4
Product Tested For Hydraulic Conductivity	R100
Product Lot #	Lot 2018 roll 1
Leachate Description	Xcel Energy Sherco Cell 4
Leachate Code#	LT 20-7
Leachate pH	7.50
Leachate EC (uS/cm) first tested at the lab	2,818
Ionic Strength Estimated by ICP (mol/L)	0.051
RMD Estimated by ICP (M^0.5)	0.126
Sulfate / Chloride Ratio	3.014
Hydration Liquid	Xcel Energy Sherco Cell 4
Permeation Liquid	Xcel Energy Sherco Cell 4
Pressure Difference (PSI) =	2
Max. Effective Stress (PSI) =	5
Hydraulic Gradient	187
Actual Hydraulic Conductivity k (cm/sec)	2.70E-09
PVF	18.1
Hydraulic Conductivity Test Duration (hrs)	4588
Actual Original Leachate EC (uS/cm)	2810
Final Outfolw EC (uS/cm)	2530

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APPENDIX D - Geosynthetic Clay Liner Construction Verification Documentation

Geosynthetic Clay Liner Manufacturer Quality Control Documentation
Accessory Bentonite Quality Control Documentation

Geosynthetic Clay Liner Manufacturer Quality Control Documentation



Date: 20-Jul-2022 04:19
Purchase Order: 22-05-1081-02
ORDER NUMBER: 55069285

GLOBAL CONTAINMENT SOLUTIONS
405 EAST FOREST STREET
SUITE 110
OCONOMOWOC,WI,53066

To Whom It May Concern:

Please find the enclosed Manufacturing Quality Assurance/Manufacturing Quality Control (MQA/MQC) test data package for Geosynthetic Clay Liner (GCL) shipments to GLOBAL CONTAINMENT SOLUTIONS .

The enclosed data package includes results for all MQC tests required by ASTM D5889, with the exception of index flux/hydraulic conductivity. This test, which is run according to ASTM D5887, is normally performed once every 250,000 sq./ft. of GCL produced, unless a higher frequency is required by the project specifications. Because of the GCL's low permeability, this test can take several weeks to complete. The index flux/hydraulic conductivity results associated with this lot of material will be provided under separate cover as soon as they are available.

Although the index flux/hydraulic conductivity test results are not yet available, CETCO® accepts responsibility for our GCL should the index flux/hydraulic conductivity test produce unacceptable results. If, upon delivery and prior to installation, individual rolls of GCL are found to be nonconforming to accepted project specifications, CETCO® will replace the nonconforming material at no charge.

Questions regarding this information should be directed to CETCO® Technical Services at eptechservices@cetco.com.

Sincerely,

NICHOLLS, RYAN J
Quality Assurance Coordinator
CETCO® Lovell Plant

GEOSYNTHETIC CLAY LINER
MANUFACTURING QUALITY ASSURANCE DATA PACKAGE

PROJECT NAME:
CUSTOMER P.O.: 22-05-1081-02
ORDER NUMBER: 55069285
PREPARED FOR: GLOBAL CONTAINMENT SOLUTIONS

CONTENTS:

- Product Certifications
- GCL Order Packing List and MQA Tracking Form
- GCL Manufacturing Quality control test data
- Bentonite clay certification
- Raw Material Test results

PREPARED BY: NICHOLLS, RYAN J
Quality Assurance Coordinator
CETCO®
AMERICAN COLLOID COMPANY
92 HIGHWAY 37
LOVELL, 82431, WY
Telephone: 800-322-1159
Email: Ryan.Nicholls@mineralstech.com

PRODUCT CERTIFICATIONS

PROJECT NAME:
CUSTOMER P.O.: 22-05-1081-02
ORDER NUMBER: 55069285
PREPARED FOR: GLOBAL CONTAINMENT SOLUTIONS

The GCL Manufactured for the above-referenced order number is certified to meet the values listed in the tables below:

GCL PROPERTY SPECIFICATIONS FOR RESISTEX® 100 ST

Test Method	Test Method Property	Test Frequency	Certified Value
ASTM D6768	GCL Grab Strength	200,000 sq ft (20,000 sq m)	30 - lbs/in
ASTM D5891	Bentonite Fluid Loss	1 per 50 Tons	18 - ml
ASTM D5887	GCL-Hydraulic Conductivity	250,000 sq ft	3x10-9 - cm/s
ASTM D6496	GCL Peel Strength	40,000 sq ft (4,000 sq m)	3.5 - lbs/in
ASTM D5887	GCL-Index Flux	250,000 sq ft	1x10-8 - m3/m2/s
ASTM D6243	GCL Hydrated Internal Shear Strength	1,000,000 sq ft	500 - psf
ASTM D5993	Bentonite Mass/Area	40,000 sq ft (4,000 sq m)	.75 - lbs/sq ft
ASTM D5890	Bentonite Free Swell	1 per 50 Tons	24 - ml

All tensile testing is in the machine direction using ASTM D 6768. All peel strength testing is performed using ASTM D 6496. An "*" indicates non-standard testing, frequency, or certified value .

NEEDLE DETECTION AND REMOVAL PROCEDURE

CETCO® hereby affirms that all Bentomat® geosynthetic clay liner material manufactured for this project is continually passed under a magnet for needle removal and then screened with a metal detection device. CETCO® certifies Bentomat® to be essentially free of broken needless and fragments of needles that would negatively affect the performance of the final product.

Sincerely,

NICHOLLS, RYAN J
Quality Assurance Coordinator
CETCO® Lovell Plant

GCL PACKING LIST AND MQA TRACKING FORM

Listing of finished and raw materials used to produce certification package number 55069285

GCL								GEOTEXTILE			CLAY
RESISTEX® 100 ST								01-9514	01-9865		CG 50-BLK
Order	**GCL Lot#**	**GCL Roll#**	**Length**	**Width**	**Weight**	**Sq. ft**	**Roll # Tested**	**Cap1 Roll #**	**Base1 Roll #**		**Clay Lot #**
55069285	LL-28-2022	1	150	15	3000	2250	1	2027211409	3022020953		L-193-22-D
55069285	LL-28-2022	2	150	15	3000	2250	1	2027211409	3022020953		L-193-22-D
55069285	LL-28-2022	3	150	15	3480	2250	1	2027211411	3022020953		L-193-22-D
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55069285	LL-28-2022	36	150	15	3320	2250	35	2027211378	3022041186		L-196-22-A
55069285	LL-28-2022	37	150	15	3270	2250	35	700345889	3022041186		L-196-22-A
55069285	LL-28-2022	38	150	15	3330	2250	35	700345889	3022041186		L-196-22-A
55069285	LL-28-2022	39	150	15	3335	2250	35	700345889	3022041186		L-196-22-A
55069285	LL-28-2022	40	150	15	3330	2250	35	700345889	3022041186		L-196-22-A
55069285	LL-28-2022	41	150	15	3345	2250	35	700345889	3022041186		L-196-22-A
55069285	LL-28-2022	42	150	15	3310	2250	35	700345889	3022041186		L-196-22-A
55069285	LL-28-2022	43	150	15	3280	2250	35	700345889	3022041186		L-196-22-A
55069285	LL-28-2022	44	150	15	3330	2250	35	700347241	3022041186		L-196-22-A
55069285	LL-28-2022	45	150	15	3275	2250	35	700347241	3022041186		L-196-22-A
55069285	LL-28-2022	46	150	15	3330	2250	35	700347241	3022041186		L-196-22-A
55069285	LL-28-2022	47	150	15	3340	2250	35	700347241	3022041186		L-196-22-A
55069285	LL-28-2022	48	150	15	3380	2250	35	700347241	3022041186		L-196-22-A
55069285	LL-28-2022	49	150	15	3340	2250	35	700347241	3022041186		L-196-22-A
55069285	LL-28-2022	50	150	15	3345	2250	35	2027042797	3021100711		L-196-22-A
55069285	LL-28-2022	51	150	15	3345	2250	35	2027042797	3021100711		L-196-22-A
55069285	LL-28-2022	52	150	15	3305	2250	52	700347183	3021100711		L-196-22-A
55069285	LL-28-2022	53	150	15	3355	2250	52	700347183	3021100711		L-196-22-A
55069285	LL-28-2022	54	150	15	3305	2250	52	700347183	3021100711		L-196-22-A
55069285	LL-28-2022	55	150	15	3280	2250	52	700347183	3021100711		L-196-22-B
55069285	LL-28-2022	56	150	15	3450	2250	52	700347183	3021100711		L-196-22-B
55069285	LL-28-2022	57	150	15	3450	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	58	150	15	3505	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	59	150	15	3565	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	60	150	15	3505	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	61	150	15	3510	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	62	150	15	3500	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	63	150	15	3520	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	64	150	15	3505	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	65	150	15	3495	2250	52	2027047761	3021100711		L-196-22-B
55069285	LL-28-2022	66	150	15	3535	2250	52	2027211410	3021100711		L-196-22-B
55069285	LL-28-2022	67	150	15	3700	2250	52	2027211410	3022041193		L-196-22-B
55069285	LL-28-2022	68	150	15	3560	2250	52	2027211410	3022041193		L-196-22-B
55069285	LL-28-2022	69	150	15	3500	2250	69	2027211410	3022041193		L-196-22-B

55069285	LL-28-2022	70	150	15	3480	2250	69	2027211410	3022041193		L-196-22-B
55069285	LL-28-2022	71	150	15	3520	2250	69	2027211410	3022041193		L-196-22-B
55069285	LL-28-2022	72	150	15	3515	2250	69	2027211410	3022041193		L-196-22-B
55069285	LL-28-2022	73	150	15	3485	2250	69	2027211410	3022041193		L-196-22-B
55069285	LL-28-2022	74	150	15	3490	2250	69	2027211408	3022041193		L-196-22-B
55069285	LL-28-2022	75	150	15	3465	2250	69	2027211408	3022041193		L-196-22-B
55069285	LL-28-2022	76	150	15	3555	2250	69	2027211408	3022041193		L-196-22-B
55069285	LL-28-2022	77	150	15	3520	2250	69	2027211408	3022041193		L-196-22-B
55069285	LL-28-2022	78	150	15	3495	2250	69	2027211408	3022041193		L-196-22-B
					Total Sq Ft:	175500				Total Number of Rolls Certified: 78	

GCL MANUFACTURING QUALITY CONTROL TEST DATA

The following rolls in GCL certification package number 55069285 have been tested in our production facility lab.

Product	Lot# Tested	Roll# Tested	Mass Area	Grab Strength	Peel Strength			
ASTM Test Method:			ASTM D5993	ASTM D6768	ASTM D6496			
Required Value:			.75 - lbs/sq ft	30 - lbs/in	3.5 - lbs/in			
RESISTEX® 100 ST	LL-28-2022	1	.96	58.6	9.9			
RESISTEX® 100 ST	LL-28-2022	18	.96	58.6	9.3			
RESISTEX® 100 ST	LL-28-2022	35	.97	58.6	9.7			
RESISTEX® 100 ST	LL-28-2022	52	.95	58.6	8.5			
RESISTEX® 100 ST	LL-28-2022	69	.95	58.6	8.5			

BENTONITE CLAY CERTIFICATION

The Bentonite Clay used to produce package 55069285 was tested in our production facility lab and yielded the following results.

Clay Lot #	Moist	Swell	Fluid Loss
ASTM Test Method:	ASTM D2216	ASTM D5890	ASTM D5891
Required Value:	12 - %	24 - ml	18 - ml
L-196-22-A	9.12	43	10.2
L-196-22-B	9.38	29	11.6
L-193-22-D	9.69	35	11

GEOTEXTILE TEST RESULTS FROM MATERIAL SUPPLIERS

The GCL in certification package number 55069285 was manufactured with geotextiles which were tested and yielded the following results.

BASE GEOTEXTILE			
Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
01-9865	3022041186	3.37	170.1
01-9865	3022041193	3.32	150.9
01-9865	3022020953	3.25	164.5
01-9865	3021100711	3.35	148.7

COVER GEOTEXTILE			
Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
01-9514	2027211409	6.26	156.34
01-9514	2027047626	6.6	157.6
01-9514	700345877	6.54	123
01-9514	2027211378	6.47	157.45
01-9514	700345889	6.65	119
01-9514	700347241	6.58	117
01-9514	2027042797	6.45	170.83
01-9514	700347183	6.72	113
01-9514	2027047761	6.55	160.12
01-9514	2027211410	6.26	156.34
01-9514	2027211408	6.26	156.34
01-9514	2027211411	6.26	156.34

Certifications from our suppliers are on file at our production facility.

CETCO
Colloid Environmental Technologies Company LLC

PRODUCT CERTIFICATIONS

PROJECT NAME:
CUSTOMER P.O.: 22-05-1081-02
ORDER NUMBER: 55069285
PREPARED FOR: GLOBAL CONTAINMENT SOLUTIONS

The GCL Manufactured for the above-referenced order number is certified to meet the values listed in the tables below:

GCL PROPERTY SPECIFICATIONS FOR RESISTEX® 100 ST

Test Method	Test Method Property	Test Frequency	Certified Value
ASTM D5887	GCL-Hydraulic Conductivity	1/250,000 ft2	3x10-9 - cm/s
ASTM D5887	GCL-Index Flux	1/250,000 ft2	1x10-8 - m3/m2/s

Product	Lot# Tested	Roll# Tested	Index Flux	Hydraulic Conductivity				
		ASTM Test Method:	ASTM D5887	ASTM D5887				
		Required Value:	1x10-8 m3/m2/s	3x10-9 cm/s				
RESISTEX® 100 ST	LL-28-2022	1	2.5x10-9	9.7x10-10				



Date: 20-Jul-2022 04:28
Purchase Order: 22-05-1081-02
ORDER NUMBER: 55069286

GLOBAL CONTAINMENT SOLUTIONS
405 EAST FOREST STREET
SUITE 110
OCONOMOWOC,WI,53066

To Whom It May Concern:

Please find the enclosed Manufacturing Quality Assurance/Manufacturing Quality Control (MQA/MQC) test data package for Geosynthetic Clay Liner (GCL) shipments to GLOBAL CONTAINMENT SOLUTIONS .

The enclosed data package includes results for all MQC tests required by ASTM D5889, with the exception of index flux/hydraulic conductivity. This test, which is run according to ASTM D5887, is normally performed once every 250,000 sq./ft. of GCL produced, unless a higher frequency is required by the project specifications. Because of the GCL's low permeability, this test can take several weeks to complete. The index flux/hydraulic conductivity results associated with this lot of material will be provided under separate cover as soon as they are available.

Although the index flux/hydraulic conductivity test results are not yet available, CETCO® accepts responsibility for our GCL should the index flux/hydraulic conductivity test produce unacceptable results. If, upon delivery and prior to installation, individual rolls of GCL are found to be nonconforming to accepted project specifications, CETCO® will replace the nonconforming material at no charge.

Questions regarding this information should be directed to CETCO® Technical Services at eptechservices@cetco.com.

Sincerely,

NICHOLLS, RYAN J
Quality Assurance Coordinator
CETCO® Lovell Plant

GEOSYNTHETIC CLAY LINER
MANUFACTURING QUALITY ASSURANCE DATA PACKAGE

PROJECT NAME:
CUSTOMER P.O.: 22-05-1081-02
ORDER NUMBER: 55069286
PREPARED FOR: GLOBAL CONTAINMENT SOLUTIONS

CONTENTS:

- Product Certifications
- GCL Order Packing List and MQA Tracking Form
- GCL Manufacturing Quality control test data
- Bentonite clay certification
- Raw Material Test results

PREPARED BY: NICHOLLS, RYAN J
Quality Assurance Coordinator
CETCO®
AMERICAN COLLOID COMPANY
92 HIGHWAY 37
LOVELL, 82431, WY
Telephone: 800-322-1159
Email: Ryan.Nicholls@mineralstech.com

PRODUCT CERTIFICATIONS

PROJECT NAME:
CUSTOMER P.O.: 22-05-1081-02
ORDER NUMBER: 55069286
PREPARED FOR: GLOBAL CONTAINMENT SOLUTIONS

The GCL Manufactured for the above-referenced order number is certified to meet the values listed in the tables below:

GCL PROPERTY SPECIFICATIONS FOR RESISTEX® 100 DN

Test Method	Test Method Property	Test Frequency	Certified Value
ASTM D6768	GCL Grab Strength	200,000 sq ft (20,000 sq m)	50 - lbs/in
ASTM D5891	Bentonite Fluid Loss	1 per 50 Tons	18 - ml
ASTM D5887	GCL-Hydraulic Conductivity	250,000 sq ft	3x10-9 - cm/s
ASTM D6496	GCL Peel Strength	40,000 sq ft (4,000 sq m)	3.5 - lbs/in
ASTM D5887	GCL-Index Flux	250,000 sq ft	1x10-8 - m3/m2/s
ASTM D6243	GCL Hydrated Internal Shear Strength	1,000,000 sq ft	500 - psf
ASTM D5993	Bentonite Mass/Area	40,000 sq ft (4,000 sq m)	.75 - lbs/sq ft
ASTM D5890	Bentonite Free Swell	1 per 50 Tons	24 - ml

All tensile testing is in the machine direction using ASTM D 6768. All peel strength testing is performed using ASTM D 6496. An "*" indicates non-standard testing, frequency, or certified value .

NEEDLE DETECTION AND REMOVAL PROCEDURE

CETCO® hereby affirms that all Bentomat® geosynthetic clay liner material manufactured for this project is continually passed under a magnet for needle removal and then screened with a metal detection device. CETCO® certifies Bentomat® to be essentially free of broken needless and fragments of needles that would negatively affect the performance of the final product.

Sincerely,

NICHOLLS, RYAN J
Quality Assurance Coordinator
CETCO® Lovell Plant

GCL PACKING LIST AND MQA TRACKING FORM

Listing of finished and raw materials used to produce certification package number 55069286

GCL								GEOTEXTILE			CLAY
RESISTEX® 100 DN								01-9514	01-8991		CG 50-BLK
Order	**GCL Lot#**	**GCL Roll#**	**Length**	**Width**	**Weight**	**Sq. ft**	**Roll # Tested**	**Cap1 Roll #**	**Base1 Roll #**		**Clay Lot #**
55069286	LL-28-2022	1089	150	14.5	3465	2175	1089	2027211408	2027192083		L-196-22-B
55069286	LL-28-2022	1090	150	14.5	3705	2175	1089	2027211408	2027192083		L-196-22-B
55069286	LL-28-2022	1091	150	14.5	3710	2175	1089	2027211408	2027192083		L-196-22-B
55069286	LL-28-2022	1092	150	14.5	3650	2175	1089	2027211408	2027192083		L-196-22-B
55069286	LL-28-2022	1093	150	14.5	3660	2175	1089	2027211399	2027192083		L-196-22-B
55069286	LL-28-2022	1094	150	14.5	3530	2175	1089	2027211399	2027192083		L-196-22-B
55069286	LL-28-2022	1095	150	14.5	3480	2175	1089	2027211399	2027192083		L-196-22-B
55069286	LL-28-2022	1096	150	14.5	3400	2175	1089	2027211399	2027192083		L-196-22-B
55069286	LL-28-2022	1097	150	14.5	3590	2175	1089	2027211399	2027192083		L-196-22-B
55069286	LL-28-2022	1098	150	14.5	3580	2175	1089	2027211399	2027192083		L-196-22-B
55069286	LL-28-2022	1099	150	14.5	3540	2175	1089	2027211399	2027192083		L-196-22-B
55069286	LL-28-2022	1100	150	14.5	3625	2175	1089	2027211399	2027031952		L-196-22-B
55069286	LL-28-2022	1101	150	14.5	3570	2175	1089	2027165785	2027031952		L-196-22-B
55069286	LL-28-2022	1102	150	14.5	3650	2175	1089	2027165785	2027031952		L-196-22-B
55069286	LL-28-2022	1103	150	14.5	3570	2175	1089	2027165785	2027031952		L-196-22-B
55069286	LL-28-2022	1104	150	14.5	3575	2175	1089	2027165785	2027031952		L-196-22-B
55069286	LL-28-2022	1105	150	14.5	3570	2175	1089	2027165785	2027031952		L-196-22-B
55069286	LL-28-2022	1106	150	14.5	3550	2175	1089	2027165785	2027031952		L-196-22-B
55069286	LL-28-2022	1107	150	14.5	3565	2175	1107	2027165785	2027031952		L-196-22-B
55069286	LL-28-2022	1108	150	14.5	3575	2175	1107	2027165785	2027031952		L-196-22-C
55069286	LL-28-2022	1109	150	14.5	3550	2175	1107	2027165785	2027031952		L-196-22-C
55069286	LL-28-2022	1110	150	14.5	3560	2175	1107	700347258	2027031952		L-196-22-C
55069286	LL-28-2022	1111	150	14.5	3585	2175	1107	700347258	2027031952		L-196-22-C
55069286	LL-28-2022	1112	150	14.5	3605	2175	1107	700347258	2027031952		L-196-22-C
55069286	LL-28-2022	1113	150	14.5	3540	2175	1107	700347258	2027031962		L-196-22-C
55069286	LL-28-2022	1114	150	14.5	3495	2175	1107	700347258	2027031962		L-196-22-C
55069286	LL-28-2022	1115	150	14.5	3545	2175	1107	700347258	2027031962		L-196-22-C
55069286	LL-28-2022	1116	150	14.5	3535	2175	1107	700347258	2027031962		L-196-22-C
55069286	LL-28-2022	1117	150	14.5	3500	2175	1107	2027047768	2027031962		L-196-22-C

55069286	LL-28-2022	1118	150	14.5	3475	2175	1107	2027047768	2027031962		L-196-22-C
55069286	LL-28-2022	1119	150	14.5	3540	2175	1107	2027047768	2027031962		L-196-22-C
55069286	LL-28-2022	1120	150	14.5	3495	2175	1107	2027047768	2027031962		L-196-22-C
55069286	LL-28-2022	1121	150	14.5	3505	2175	1107	2027047768	2027031962		L-196-22-C
55069286	LL-28-2022	1122	150	14.5	3500	2175	1107	2027047768	2027031962		L-196-22-C
55069286	LL-28-2022	1123	150	14.5	3475	2175	1107	2027047768	2027031962		L-196-22-C
55069286	LL-28-2022	1124	150	14.5	3515	2175	1107	2027047768	2027031962		L-196-22-C
55069286	LL-28-2022	1125	150	14.5	3515	2175	1125	2027047779	2027031962		L-196-22-C
55069286	LL-28-2022	1126	150	14.5	3455	2175	1125	2027047779	2027031962		L-196-22-C
55069286	LL-28-2022	1127	150	14.5	3510	2175	1125	2027047779	2027031963		L-196-22-C
55069286	LL-28-2022	1128	150	14.5	3550	2175	1125	2027047779	2027031963		L-196-22-C
55069286	LL-28-2022	1129	150	14.5	3565	2175	1125	2027047779	2027031963		L-196-22-C
55069286	LL-28-2022	1130	150	14.5	3550	2175	1125	2027047779	2027031963		L-196-22-C
55069286	LL-28-2022	1131	150	14.5	3580	2175	1125	2027047779	2027031963		L-196-22-C
55069286	LL-28-2022	1132	150	14.5	3635	2175	1125	2027047779	2027031963		L-196-22-C
55069286	LL-28-2022	1133	150	14.5	3480	2175	1125	2027165806	2027031963		L-196-22-C
55069286	LL-28-2022	1134	150	14.5	3500	2175	1125	2027165806	2027031963		L-196-22-C
55069286	LL-28-2022	1135	150	14.5	3520	2175	1125	2027165806	2027031963		L-196-22-C
55069286	LL-28-2022	1136	150	14.5	3515	2175	1125	2027165806	2027031963		L-196-22-C
55069286	LL-28-2022	1137	150	14.5	3480	2175	1125	2027165806	2027031963		L-196-22-C
55069286	LL-28-2022	1138	150	14.5	3530	2175	1125	2027165806	2027031967		L-196-22-C
55069286	LL-28-2022	1139	150	14.5	3550	2175	1125	2027165806	2027031967		L-196-22-C
55069286	LL-28-2022	1140	150	14.5	3535	2175	1125	2027165806	2027031967		L-196-22-C
55069286	LL-28-2022	1141	150	14.5	3515	2175	1125	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1142	150	14.5	3505	2175	1125	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1143	150	14.5	3475	2175	1143	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1144	150	14.5	3515	2175	1143	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1145	150	14.5	3525	2175	1143	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1146	150	14.5	3535	2175	1143	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1147	150	14.5	3500	2175	1143	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1148	150	14.5	3505	2175	1143	2027102589	2027031967		L-196-22-C
55069286	LL-28-2022	1149	150	14.5	3460	2175	1143	2027102589	2027031967		L-196-22-D
55069286	LL-28-2022	1150	150	14.5	3490	2175	1143	2027102589	2027031967		L-196-22-D
55069286	LL-28-2022	1151	150	14.5	3460	2175	1143	700297550	2027031967		L-196-22-D
55069286	LL-28-2022	1152	150	14.5	3510	2175	1143	700297550	2027031967		L-196-22-D
55069286	LL-28-2022	1153	150	14.5	3485	2175	1143	700297550	2027135315		L-196-22-D
55069286	LL-28-2022	1154	150	14.5	3525	2175	1143	700297550	2027135315		L-196-22-D
55069286	LL-28-2022	1155	150	14.5	3510	2175	1143	700297550	2027135315		L-196-22-D
55069286	LL-28-2022	1156	150	14.5	3450	2175	1143	700297550	2027135315		L-196-22-D
55069286	LL-28-2022	1157	150	14.5	3520	2175	1143	700297550	2027135315		L-196-22-D

55069286	LL-28-2022	1158	150	14.5	3485	2175	1143	2027165793	2027135315		L-196-22-D
55069286	LL-28-2022	1159	150	14.5	3465	2175	1143	2027165793	2027135315		L-196-22-D
55069286	LL-28-2022	1160	150	14.5	3520	2175	1143	2027165793	2027135315		L-196-22-D
55069286	LL-28-2022	1161	150	14.5	3530	2175	1161	2027165793	2027135315		L-196-22-D
55069286	LL-28-2022	1162	150	14.5	3480	2175	1161	2027165793	2027135315		L-196-22-D
55069286	LL-28-2022	1163	150	14.5	3490	2175	1161	2027165793	2027135315		L-196-22-D
55069286	LL-28-2022	1164	150	14.5	3670	2175	1161	2027165793	2027135315		L-196-22-D
55069286	LL-28-2022	1165	150	14.5	3305	2175	1161	2027165793	2027135314		L-196-22-D
55069286	LL-28-2022	1166	150	14.5	3475	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1167	150	14.5	3510	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1168	150	14.5	3470	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1169	150	14.5	3510	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1170	150	14.5	3475	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1171	150	14.5	3460	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1172	150	14.5	3430	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1173	150	14.5	3460	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1174	150	14.5	3450	2175	1161	2027165794	2027135314		L-196-22-D
55069286	LL-28-2022	1175	150	14.5	3425	2175	1161	2027165795	2027135314		L-196-22-D
55069286	LL-28-2022	1176	150	14.5	3405	2175	1161	2027165795	2027135314		L-196-22-D
55069286	LL-28-2022	1177	150	14.5	3405	2175	1161	2027165795	2027135314		L-196-22-D
55069286	LL-28-2022	1178	150	14.5	3405	2175	1161	2027165795	2027031943		L-196-22-D
55069286	LL-28-2022	1179	150	14.5	3495	2175	1179	2027165795	2027031943		L-196-22-D
55069286	LL-28-2022	1180	150	14.5	3435	2175	1179	2027165795	2027031943		L-196-22-D
55069286	LL-28-2022	1181	150	14.5	3500	2175	1179	2027165795	2027031943		L-196-22-D
55069286	LL-28-2022	1182	150	14.5	3450	2175	1179	2027165795	2027031943		L-196-22-D
55069286	LL-28-2022	1183	150	14.5	3460	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1184	150	14.5	3470	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1185	150	14.5	3465	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1186	150	14.5	3460	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1187	150	14.5	3520	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1188	150	14.5	3480	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1189	150	14.5	3465	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1190	150	14.5	3425	2175	1179	2027211373	2027031943		L-196-22-D
55069286	LL-28-2022	1191	150	14.5	3395	2175	1179	2027211373	2027031968		L-196-22-D
55069286	LL-28-2022	1192	150	14.5	3445	2175	1179	2027211373	2027031968		L-196-22-E
55069286	LL-28-2022	1193	150	14.5	3435	2175	1179	700345839	2027031968		L-196-22-E
55069286	LL-28-2022	1194	150	14.5	3445	2175	1179	700345839	2027031968		L-196-22-E
55069286	LL-28-2022	1195	150	14.5	3430	2175	1179	700345839	2027031968		L-196-22-E
55069286	LL-28-2022	1196	150	14.5	3385	2175	1179	700345839	2027031968		L-196-22-E
55069286	LL-28-2022	1197	150	14.5	3535	2175	1197	700345839	2027031968		L-196-22-E

55069286	LL-28-2022	1198	150	14.5	3540	2175	1197	700345839	2027031968		L-196-22-E
55069286	LL-28-2022	1199	150	14.5	3485	2175	1197	700345839	2027031968		L-196-22-E
55069286	LL-28-2022	1200	150	14.5	3465	2175	1197	2027165811	2027031968		L-196-22-E
55069286	LL-28-2022	1201	150	14.5	3430	2175	1197	2027165811	2027031968		L-196-22-E
55069286	LL-28-2022	1202	150	14.5	3560	2175	1197	2027165811	2027031968		L-196-22-E
55069286	LL-28-2022	1203	150	14.5	3455	2175	1197	2027165811	2027031968		L-196-22-E
55069286	LL-28-2022	1204	150	14.5	3480	2175	1197	2027165811	2027031968		L-196-22-E
55069286	LL-28-2022	1205	150	14.5	3420	2175	1197	2027165811	2027031973		L-196-22-E
55069286	LL-28-2022	1206	150	14.5	3400	2175	1197	2027165811	2027031973		L-196-22-E
55069286	LL-28-2022	1207	150	14.5	3470	2175	1197	2027165811	2027031973		L-196-22-E
55069286	LL-28-2022	1208	150	14.5	3440	2175	1197	2027165782	2027031973		L-196-22-E
55069286	LL-28-2022	1209	150	14.5	3485	2175	1197	2027165782	2027031973		L-196-22-E
55069286	LL-28-2022	1210	150	14.5	3450	2175	1197	2027165782	2027031973		L-196-22-E
55069286	LL-28-2022	1211	150	14.5	3445	2175	1197	2027165782	2027031973		L-196-22-E
					Total Sq Ft:	267525			Total Number of Rolls Certified: 123		

GCL MANUFACTURING QUALITY CONTROL TEST DATA

The following rolls in GCL certification package number 55069286 have been tested in our production facility lab.

Product	Lot# Tested	Roll# Tested	Mass Area	Grab Strength	Peel Strength			
	ASTM Test Method:		ASTM D5993	ASTM D6768	ASTM D6496			
	Required Value:		.75 - lbs/sq ft	50 - lbs/in	3.5 - lbs/in			
RESISTEX® 100 DN	LL-28-2022	1089	1	59.2	9			
RESISTEX® 100 DN	LL-28-2022	1107	.98	59.2	12.6			
RESISTEX® 100 DN	LL-28-2022	1125	1.01	59.2	6.4			
RESISTEX® 100 DN	LL-28-2022	1143	1	59.2	4.4			
RESISTEX® 100 DN	LL-28-2022	1161	.97	59.2	5.2			
RESISTEX® 100 DN	LL-28-2022	1179	.98	66.6	5.9			
RESISTEX® 100 DN	LL-28-2022	1197	1	66.6	5.6			

BENTONITE CLAY CERTIFICATION

The Bentonite Clay used to produce package 55069286 was tested in our production facility lab and yielded the following results.

Clay Lot #	Moist	Swell	Fluid Loss
ASTM Test Method:	ASTM D2216	ASTM D5890	ASTM D5891
Required Value:	12 - %	24 - ml	18 - ml
L-196-22-B	9.38	29	11.6
L-196-22-C	9.55	34	12.4
L-196-22-D	9.81	29	11.6
L-196-22-E	9.48	29	11.6

GEOTEXTILE TEST RESULTS FROM MATERIAL SUPPLIERS

The GCL in certification package number 55069286 was manufactured with geotextiles which were tested and yielded the following results.

BASE GEOTEXTILE			
Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
01-8991	2027192083	6.45	200.83
01-8991	2027031952	6.93	188.39
01-8991	2027031962	6.52	188.55
01-8991	2027031963	6.52	188.55
01-8991	2027031967	6.82	183.02
01-8991	2027135315	6.95	197.9
01-8991	2027135314	6.95	197.9
01-8991	2027031943	6.34	198.82
01-8991	2027031968	6.19	180.63
01-8991	2027031973	6.35	190.46

COVER GEOTEXTILE			
Material	Roll Number	Mass Area oz/yd2	Grab Strength lbs
01-9514	2027211408	6.26	156.34
01-9514	2027211399	6.45	166.36
01-9514	2027165785	6.07	135.8
01-9514	700347258	6.58	117
01-9514	2027047768	6.83	164.18
01-9514	2027047779	7.03	174.71
01-9514	2027165806	6.86	154.54
01-9514	2027102589	6.87	170.11
01-9514	700297550	6.15	115
01-9514	2027165793	6.51	155.67
01-9514	2027165794	6.51	155.67
01-9514	2027165795	6.04	140.46

01-9514	2027211373	6.63	163.58
01-9514	700345839	6.93	117
01-9514	2027165811	6.25	144.59
01-9514	2027165782	6.44	154.99

Certifications from our suppliers are on file at our production facility.

CETCO
Colloid Environmental Technologies Company LLC

PRODUCT CERTIFICATIONS

PROJECT NAME:
CUSTOMER P.O.: 22-05-1081-02
ORDER NUMBER: 55069286
PREPARED FOR: GLOBAL CONTAINMENT SOLUTIONS

The GCL Manufactured for the above-referenced order number is certified to meet the values listed in the tables below:

GCL PROPERTY SPECIFICATIONS FOR RESISTEX® 100 DN

Test Method	Test Method Property	Test Frequency	Certified Value
ASTM D5887	GCL-Hydraulic Conductivity	1/250,000 ft2	3x10-9 - cm/s
ASTM D5887	GCL-Index Flux	1/250,000 ft2	1x10-8 - m3/m2/s

Product	Lot# Tested	Roll# Tested	Index Flux	Hydraulic Conductivity				
		ASTM Test Method:	ASTM D5887	ASTM D5887				
		Required Value:	1x10-8 m3/m2/s	3x10-9 cm/s				
RESISTEX® 100 DN	LL-28-2022	1089	3.6x10-9	1.4x10-9				
RESISTEX® 100 DN	LL-28-2022	1133	1.9x10-9	7.7x10-10				

Accessory Bentonite Quality Control Documentation


RESISTEX
L080422A

APPENDIX E – Geomembrane Construction Verification Documentation

Manufacturer Quality Control Documentation
Tensiometer Calibration Certificate
As-Built Panel Layout Drawing
Subgrade Acceptance Forms
Trial Weld Forms
Panel Placement Forms
Panel Seaming Forms
Field Destructive Testing Forms
Laboratory Destructive Testing Results
Repair Forms

Manufacturer Quality Control Documentation

Global Containment Solutions
Sherco Power Plant
13999 Industrial Blvd.
Becker, MN 55308-8800

SO#: 00015373

FG-HDSMTH060BBBEA	13 rolls @ 600	179,400 ft.²
FG-HDMSDS060BBBEA	22 rolls @ 540	273,240 ft.²
FG-LDMSDS040BBBEG	8 rolls @ 750	138,000 ft.²

	English						
Roll #	**Width**	**Length**	**Area**	**Item**	**Count**	**Weight**	**Resin Lot #**
	ft.	ft.	ft.²			lbs.	
GTF0080380005	23	540	12,420	**FG-HDMSDS060BBBEG**	1	**3990**	**PNF821010**
GTF0080380026	23	540	12,420	**FG-HDMSDS060BBBEG**	2	**3970**	**PNF820790**
GTF0080380051	23	540	12,420	**FG-HDMSDS060BBBEG**	3	**3800**	**PNF820790**
GTF0080380082	23	540	12,420	**FG-HDMSDS060BBBEG**	4	**3830**	**PNG820950**
GTF0080380099	23	540	12,420	**FG-HDMSDS060BBBEG**	5	**3735**	**PNG820950**
GTF0080380107	23	540	12,420	**FG-HDMSDS060BBBEG**	6	**3735**	**PNG820950**
GTF0080380114	23	540	12,420	**FG-HDMSDS060BBBEG**	7	**3725**	**PNG820950**
GTF0080380118	23	540	12,420	**FG-HDMSDS060BBBEG**	8	**3740**	**PNG820940**
GTF0080380130	23	540	12,420	**FG-HDMSDS060BBBEG**	9	**3835**	**PNG820940**
GTF0080380137	23	540	12,420	**FG-HDMSDS060BBBEG**	10	**3865**	**PNG820940**
GTF0080380138	23	540	12,420	**FG-HDMSDS060BBBEG**	11	**3840**	**PNG820940**
GTF0080380139	23	540	12,420	**FG-HDMSDS060BBBEG**	12	**3845**	**PNG820940**
GTF0080380140	23	540	12,420	**FG-HDMSDS060BBBEG**	13	**3850**	**PNG820940**

161,460
total for order



Maria Coffey-Manager
Quality Control Department

Global Containment Solutions
Sherco Power Plant
13999 Industrial Blvd.
Becker, MN 55308-8800

SO#: **00015373** MQC#: **10830**
Liner Type: **60HD microspike**
Item: **FG-HDMSDS060BBBEG**
Current # of Rolls: **13**
Roll Count: **1-13** **(ongoing)**
Report Date: 6/29/2022 **ENGLISH**

					ASTM D5994 (Modified)			ASTM D7466				ASTM D3895	ASTM D792	ASTM D1238	ASTM D4218	ASTM D5596	ASTM D6693								ASTM D1004		ASTM D4833	ASTM D5397	
Count	Roll #	(English)			Thickness (English)			Asperity (Top)	Asperity (Bottom)	Weight	Lot #	OIT (Standard)	Specific Gravity	Melt Flow Index	Carbon Black Content	Carbon Black Disp.	Tensile Str. @Yield (MD)		Tensile Str. @Yield (TD)		Tensile Str. @Break (MD)		Tensile Str. @Break (TD)		Elong. @Yield (MD)	Elong. @Yield (TD)	Elong. @Break (MD)	Elong. @Break (TD)	Tear Resistance (MD)	Tear Resistance (TD)	Puncture Resistance	NCTL (500hrs.)	Production Date
		Width	Length	Area	Min.	Max.	Ave.	Avg.	Avg.																						
		ft.	ft.	ft.²	mils	mils	mils	mils	mils	lbs.		min	g/cc	g/10 min.	%	# in Cat. 1 & 2	ppi	psi	ppi	psi	ppi	psi	ppi	psi	%	%	%	%	lbs.	lbs.	lbs.		
Minimum Results (ea. Col.)					55	61	59	25	30	3725		175	0.945	0.27	2.2	10	145	2417	143	2354	179	3011	184	3100	13	14	432	450	54	50	126		
1	GTF0080380005	23	540	12,420	58	63	61	28	31	3990	PNF821010	186	0.945	0.30	2.5	10	159	2585	177	2817	219	3555	202	3234	20	14	451	575	56	52	138	PASS	8/6/2021
2	GTF0080380026	23	540	12,420	58	61	59	29	36	3970	PNF820790	175	0.945	0.28	2.4	10	169	2701	182	2973	222	3545	228	3715	18	14	475	649	59	53	134	PASS	8/7/2021
3	GTF0080380051	23	540	12,420	58	62	60	27	31	3800	PNF820790	175	0.945	0.28	2.6	10	155	2616	143	2354	179	3011	188	3100	13	18	567	450	59	51	128	PASS	8/9/2021
4	GTF0080380082	23	540	12,420	58	65	61	28	30	3830	PNG820950	186	0.945	0.28	2.4	10	148	2417	161	2647	224	3656	205	3365	17	15	505	609	56	52	129	PASS	8/11/2021
5	GTF0080380099	23	540	12,420	56	62	59	28	31	3735	PNG820950	186	0.945	0.28	2.5	10	151	2521	159	2706	197	3289	186	3171	19	14	432	569	56	54	130	PASS	8/12/2021
6	GTF0080380107	23	540	12,420	56	61	59	26	31	3735	PNG820950	186	0.945	0.28	2.4	10	164	2711	179	3082	226	3720	205	3527	18	15	462	571	55	55	126	PASS	8/12/2021
7	GTF0080380114	23	540	12,420	57	62	59	28	31	3725	PNG820950	186	0.945	0.28	2.5	10	151	2560	160	2675	215	3641	202	3381	16	15	468	618	58	50	128	PASS	8/13/2021
8	GTF0080380118	23	540	12,420	57	62	59	28	31	3740	PNG820940	187	0.945	0.27	2.4	10	145	2481	167	2758	193	3288	184	3237	21	15	437	575	58	50	128	PASS	8/13/2021
9	GTF0080380130	23	540	12,420	57	64	61	28	32	3835	PNG820940	187	0.945	0.27	2.3	10	157	2573	173	2812	219	3578	221	3591	20	15	443	643	54	53	129	PASS	8/14/2021
10	GTF0080380137	23	540	12,420	58	62	60	30	31	3865	PNG820940	187	0.945	0.27	2.4	10	154	2621	164	2843	211	3597	206	3568	21	15	456	617	58	52	132	PASS	8/14/2021
11	GTF0080380138	23	540	12,420	58	62	60	29	32	3840	PNG820940	187	0.945	0.27	2.5	10	154	2621	164	2843	211	3597	206	3568	21	15	456	617	58	52	132	PASS	8/14/2021
12	GTF0080380139	23	540	12,420	55	63	59	25	30	3845	PNG820940	187	0.945	0.27	2.5	10	154	2621	164	2843	211	3597	206	3568	21	15	456	617	58	52	132	PASS	8/14/2021
13	GTF0080380140	23	540	12,420	58	63	60	25	30	3850	PNG820940	187	0.945	0.27	2.2	10	154	2621	164	2843	211	3597	206	3568	21	15	456	617	58	52	132	PASS	8/14/2021

CoA Date: 06/19/2021

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80457708
PO #: 18387
Weight: 179600.000 LB
Ship Date: 06/19/2021
Package: BULK
Mode: Hopper Car
Car #: SHQX041485
Seal No: 252215

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PNF821010

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.28	g/10min
HLMI Flow Rate	ASTM D1238	22	g/10min
Density	D1505 or D4883	0.938	g/cm3
Pellet Count	PPC-SOP-0028	24	pelet/gram
Production Date		06/16/2021	

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP (CPChem).
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Erin Xiao
Quality Systems Coordinator

For CoA questions contact Shannon Blacknall at +1-832-813-4807

CoA Date: 06/26/2021

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

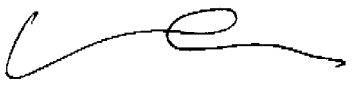
Delivery #: 80461755
PO #: 18387
Weight: 181700.000 LB
Ship Date: 06/26/2021
Package: BULK
Mode: Hopper Car
Car #: CEFX053895
Seal No: 252658

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PNF820790

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.28	g/10min
HLMI Flow Rate	ASTM D1238	24	g/10min
Density	D1505 or D4883	0.938	g/cm3
Pellet Count	PPC-SOP-0028	26	pelet/gram
Production Date		06/13/2021	

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Erin Xiao
Quality Systems Coordinator

For CoA questions contact Shannon Blacknall at +1-832-813-4807

CoA Date: 07/17/2021

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80476436
PO #: 18445
Weight: 182100.000 LB
Ship Date: 07/17/2021
Package: BULK
Mode: Hopper Car
Car #: CPCX815442
Seal No: 257871

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PNG820950

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.28	g/10min
HLMI Flow Rate	ASTM D1238	22	g/10min
Density	D1505 or D4883	0.938	g/cm3
Pellet Count	PPC-SOP-0028	25	pelet/gram
Production Date		07/14/2021	

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Erin Xiao
Quality Systems Coordinator

For CoA questions contact Shannon Blacknall at +1-832-813-4807

CoA Date: 07/17/2021

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80476437
PO #: 18445
Weight: 174500.000 LB
Ship Date: 07/17/2021
Package: BULK
Mode: Hopper Car
Car #: CBFX470031
Seal No: 257872

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PNG820940

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.27	g/10min
HLMI Flow Rate	ASTM D1238	23	g/10min
Density	D1505 or D4883	0.938	g/cm3
Pellet Count	PPC-SOP-0028	25	pelet/gram
Production Date		07/14/2021	

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However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Erin Xiao
Quality Systems Coordinator

For CoA questions contact Shannon Blacknall at +1-832-813-4807

Roll List

Customer: Global Containment Solutions
Project: Sherco Power Plant
Destination: Becker, MN
Report Date: 08-Jul-2022 3:53 PM

S.O.# SO00015373
Item Number: FG-HDMSDS060BBBEG
Liner Type: HDPE DS MicroSpike 60mil Black GM13
Roll Count: 9 (From 1 To 9) Total area 111,780 sf

#	Roll Number	Prod. Date	Width	Length	Area	Weight	Resin Lot#	3rd Party Conformance	Sample Size
1	GTC0099480001	07/07/22	23	540	12,420	3970	PPB820170		
2	GTC0099480002	07/07/22	23	540	12,420	4000	PPB820170		
3	GTC0099480003	07/07/22	23	540	12,420	3850	PPB820170		
4	GTC0099480004	07/07/22	23	540	12,420	3835	PPB820170		
5	GTC0099480005	07/07/22	23	540	12,420	3855	PPB820170		
6	GTC0099480006	07/07/22	23	540	12,420	3835	PPB820170		
7	GTC0099480007	07/07/22	23	540	12,420	3825	PPB820170		
8	GTC0099480008	07/07/22	23	540	12,420	3825	PPB820170		
9	GTC0099480009	07/07/22	23	540	12,420	3825	PPB820170		



Maria Coffey, Lab Manager

For Questions, Please Contact:

Lab Manager, Georgetown
Maria Coffey
843-546-0600
Ext 1063

Geomembrane Quality Certification

Customer: Global Containment Solutions
Project: Sherco Power Plant
Destination: Becker, MN
Report Date: 08-Jul-2022 3:59 PM

S.O.# SO00015373
Item Number: FG-HDMSDS060BBBEG
Liner Type: HDPE DS MicroSpike 60mil Black GM13
Roll Count: 9 (From 1 To 9)

								ASTM D5994			ASTM D7466	ASTM D8117	ASTM D792	ASTM D1248	ASTM D4218	ASTM D5596	ASTM D6693								ASTM D1004		ASTM D4833	ASTM D5397
								Thickness-Avg	Thickness-Min	Asperity (top)	Asperity (bottom)	OIT	Density	Melt Flow	Carbon Content	Category 1 Disp.	Tensile Yield Str (MD)	Yield Elong (MD)	Tensile Break Str (MD)	Break Elong (MD)	Tensile Yield Str (TD)	Yield Elong (TD)	Tensile Break Str (TD)	Break Elong (TD)	Tear Strength (MD)	Tear Strength (TD)	Puncture Resistance	SP-NCTL
#	Roll Number	Prod. Date	Width (ft)	Length (ft)	Area (sqft)	Weight (lb)	Resin Lot#	mil	mil	mil	mil	minut	g/cc	g/10	%	Categ	ppi	%	ppi	%	ppi	%	ppi	%	lb	lb	lb	hours
1	GTC0099480001	07/07/22	23	540	12420	3970	PPB820170	62	57	31	30	171	0.947	0.20	2.1	10	158	18	196	468	165	16	179	496	62	61	142	Pending
2	GTC0099480002	07/07/22	23	540	12420	4000	PPB820170	60	56	30	31	171	0.947	0.20	2.1	10	158	18	196	468	165	16	179	496	62	61	142	Pending
3	GTC0099480003	07/07/22	23	540	12420	3850	PPB820170	61	58	30	30	171	0.947	0.20	2.2	10	158	18	196	468	165	16	179	496	62	61	142	Pending
4	GTC0099480004	07/07/22	23	540	12420	3835	PPB820170	59	57	29	30	171	0.947	0.20	2.2	10	158	18	196	468	165	16	179	496	62	61	142	Pending
5	GTC0099480005	07/07/22	23	540	12420	3855	PPB820170	59	56	29	30	171	0.947	0.20	2.3	10	158	18	196	468	165	16	179	496	62	61	142	Pending
6	GTC0099480006	07/07/22	23	540	12420	3835	PPB820170	59	56	29	31	171	0.947	0.20	2.3	10	141	17	185	468	148	16	182	555	62	61	142	Pending
7	GTC0099480007	07/07/22	23	540	12420	3825	PPB820170	60	57	29	31	171	0.947	0.20	2.4	10	141	17	185	468	148	16	182	555	62	61	142	Pending
8	GTC0099480008	07/07/22	23	540	12420	3825	PPB820170	59	54	26	25	171	0.947	0.20	2.4	10	141	17	185	468	148	16	182	555	62	61	142	Pending
9	GTC0099480009	07/07/22	23	540	12420	3825	PPB820170	60	54	30	25	171	0.947	0.20	2.4	10	141	17	185	468	148	16	182	555	62	61	142	Pending

Maria Coffey, Lab Manager

For Questions, Please Contact:

Lab Manager, Georgetown
Maria Coffey
843-546-0600
Ext 1063

CoA Date: 04/08/2022

Certificate of Analysis

Shipped To: AGRU AMERICA INC:MULLINS
171 Highway 905
CONWAY SC 29526-6801
USA

Recipient: PALMER
Fax:

Delivery #: 80651180
PO #: 19237
Weight: 183300.000 LB
Ship Date: 04/08/2022
Package: BULK
Mode: Hopper Car
Car #: CPCX816657
Seal No: 271957

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PPB820170

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.19	g/10min
HLMI Flow Rate	ASTM D1238	19	g/10min
Density	D1505 or D4883	0.938	g/cm3
Pellet Count	PPC-SOP-0028	24	pelet/gram
Production Date		02/03/2022	

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP (CPChem).
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Erin Xiao
Quality Systems Coordinator

For CoA questions contact Leslie Dziamara at +1-832-813-4806

Global Containment Solutions
Sherco Power Plant
13999 Industrial Blvd.
Becker, MN 55308-8800

SO#: 00015373

FG-HDSMTH060BBBEA	13 rolls @ 600	179,400 ft.²
FG-HDMSDS060BBBEG	22 rolls @ 540	273,240 ft.²
FG-LDMSDS040BBBEG	8 rolls @ 750	138,000 ft.²

English

Roll #	Width	Length	Area	Item	Count	Weight	Resin Lot #
	ft.	ft.	ft.²			lbs.	
GTD0085980007	23	600	13,800	**FG-HDSMTH060BBBEA**	1	**4206**	**PNJ821400**
GTD0085980008	23	600	13,800	**FG-HDSMTH060BBBEA**	2	**4210**	**PNJ821270**
GTD0096730030	23	600	13,800	**FG-HDSMTH060BBBEA**	3	**4225**	**PPB821530**
GTD0099680001	23	600	13,800	**FG-HDSMTH060BBBEA**	4	**4495**	**PPA821850**
GTD0099680002	23	600	13,800	**FG-HDSMTH060BBBEA**	5	**4195**	**PPA821850**
GTD0099680004	23	600	13,800	**FG-HDSMTH060BBBEA**	6	**4220**	**PPA821850**
GTD0099680005	23	600	13,800	**FG-HDSMTH060BBBEA**	7	**4230**	**PPA821850**
GTD0099680006	23	600	13,800	**FG-HDSMTH060BBBEA**	8	**4225**	**PPA821850**
GTD0099680007	23	600	13,800	**FG-HDSMTH060BBBEA**	9	**4230**	**PPA821850**
GTD0099680008	23	600	13,800	**FG-HDSMTH060BBBEA**	10	**4225**	**PPA821850**
GTD0099680009	23	600	13,800	**FG-HDSMTH060BBBEA**	11	**4225**	**PPA821850**
GTD0099680010	23	600	13,800	**FG-HDSMTH060BBBEA**	12	**4240**	**PPA821850**
GTD0099680011	23	600	13,800	**FG-HDSMTH060BBBEA**	13	**4230**	**PPA821850**

agru america quality control dept.

Maria Coffey-Manager
Quality Control Department

Global Containment Solutions
Sherco Power Plant
13999 Industrial Blvd.
Becker, MN 55308-8800

SO#: **00015373** MQC#: **10829**
Liner Type:
Item: **FG-HDSMTH060BBBEA**
Current # of Rolls: **2**
Roll Count: **2**
Report Date: **7/20/2022** **ENGLISH**

					ASTM D5199 (Modified)					ASTM D3895	ASTM D792	ASTM D1238	ASTM D4218	ASTM D5596	ASTM D6693						ASTM D1004		ASTM D4833	
Count	Roll #	(English)			Thickness (English)			Weight	Lot #	OIT (Standard)	Specific Gravity	Melt Flow Index	Carbon Black Content	Carbon Black Disp.	Tensile Str. @Break (MD)		Tensile Str. @Break (TD)		Elong. @Break (MD)	Elong. @Break (TD)	Tear Resistance (MD)	Tear Resistance (TD)	Puncture Resistance	Production Date
		Width	Length	Area	Min.	Max.	Ave.																	
		ft.	ft.	ft.²	mils	mils	mils	lbs.		min	g/cc	g/10 min.	%	# in Cat. 1 & 2	ppi	psi	ppi	psi	%	%	lbs.	lbs.	lbs.	
	Minimum Results (ea. Col.)				59	64	61	4206		191	0.942	0.22	2.3	10	305	4928	302	4856	803	886	59	58	138	
1	GTD0085980007	23	600	13,800	59	64	62	4206	PNJ821400	192	0.945	0.22	2.4	10	305	4928	302	4856	803	886	59	58	138	10/20/2021
2	GTD0085980008	23	600	13,800	59	65	61	4210	PNJ821270	191	0.942	0.24	2.3	10	305	4928	302	4856	803	886	59	58	138	10/20/2021

Geomembrane Quality Certification

Customer: Global Containment Solutions
Project:
Destination:
Report Date: 20-Jul-2022 1:17 PM

S.O.# SO00015373
Item Number: FG-HDSMTH060BBBEA
Liner Type: HDPE Smooth 60mil Black Average
Roll Count: 13 (From 1 To 13)

								ASTM D5199		ASTM D8117	ASTM D792	ASTM D1248	ASTM D4218	ASTM D5596	ASTM D6693								ASTM D1004		ASTM D4833	ASTM D5397
#	Roll Number	Prod. Date	Width (ft)	Length (ft)	Area (sqft)	Weight (lb)	Resin Lot#	Thickness-Avg	Thickness-Min	OIT	Density	Melt Flow	Carbon Content	Category 1 Disp.	Tensile Yield Str (MD)	Yield Elong (MD)	Tensile Break Str (MD)	Break Elong (MD)	Tensile Yield Str (TD)	Yield Elong (TD)	Tensile Break Str (TD)	Break Elong (TD)	Tear Strength (MD)	Tear Strength (TD)	Puncture Resistance	SP-NCTL
								mil	mil	minut	g/cc	g/10	%	Categ	ppi	%	ppi	%	ppi	%	ppi	%	lb	lb	lb	hours
3	GTD0096730030	04/30/22	23	600	13800	4225	PPB821530	62	58	178	0.946	0.21	2.4	10	171	16	264	716	173	15	271	825	62	58	133	Pending
4	GTD0099680001	07/18/22	23	600	13800	4495	PPA821850	62	56	170	0.947	0.29	2.3	10	163	15	274	768	172	13	293	896	58	56	135	Pending
5	GTD0099680002	07/18/22	23	600	13800	4195	PPA821850	61	56	170	0.947	0.29	2.3	10	163	15	274	768	172	13	293	896	58	56	135	Pending
6	GTD0099680004	07/18/22	23	600	13800	4220	PPA821850	61	57	170	0.947	0.29	2.3	10	163	15	274	768	172	13	293	896	58	56	135	Pending
7	GTD0099680005	07/18/22	23	600	13800	4230	PPA821850	61	58	170	0.947	0.29	2.3	10	163	15	274	768	172	13	293	896	58	56	135	Pending
8	GTD0099680006	07/18/22	23	600	13800	4225	PPA821850	61	58	170	0.947	0.29	2.4	10	163	15	274	768	172	13	293	896	58	56	135	Pending
9	GTD0099680007	07/19/22	23	600	13800	4230	PPA821850	61	58	170	0.947	0.29	2.4	10	170	17	249	713	169	15	240	739	58	57	135	Pending
10	GTD0099680008	07/19/22	23	600	13800	4225	PPA821850	61	58	170	0.947	0.29	2.4	10	170	17	249	713	169	15	240	739	58	57	135	Pending
11	GTD0099680009	07/19/22	23	600	13800	4225	PPA821850	61	58	170	0.947	0.29	2.4	10	170	17	249	713	169	15	240	739	58	57	135	Pending
12	GTD0099680010	07/19/22	23	600	13800	4240	PPA821850	61	58	170	0.947	0.29	2.4	10	170	17	249	713	169	15	240	739	58	57	135	Pending
13	GTD0099680011	07/19/22	23	600	13800	4230	PPA821850	62	57	170	0.947	0.29	2.4	10	170	17	249	713	169	15	240	739	58	57	135	Pending

Maria Coffey, Lab Manager

For Questions, Please Contact:

Lab Manager, Georgetown
Maria Coffey
843-546-0600
Ext 1063

CoA Date: 09/25/2021

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80521934
PO #: 18660
Weight: 177700.000 LB
Ship Date: 09/25/2021
Package: BULK
Mode: Hopper Car
Car #: CPCX816623
Seal No: 267039

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PNJ821400

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.22	g/10min
HLMI Flow Rate	ASTM D1238	19	g/10min
Density	D1505 or D4883	0.938	g/cm3
Pellet Count	PPC-SOP-0028	24	pelet/gram
Production Date		09/22/2021	

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Erin Xiao
Quality Systems Coordinator

For CoA questions contact Leslie Dziamara at +1-832-813-4806

CoA Date: 09/25/2021

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80522339
PO #: 18660
Weight: 177300.000 LB
Ship Date: 09/25/2021
Package: BULK
Mode: Hopper Car
Car #: CPCX815395
Seal No: 266826

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PNJ821270

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.24	g/10min
HLMI Flow Rate	ASTM D1238	21	g/10min
Density	D1505 or D4883	0.938	g/cm3
Pellet Count	PPC-SOP-0028	23	pelet/gram
Production Date		09/20/2021	

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Erin Xiao
Quality Systems Coordinator

For CoA questions contact Leslie Dziamara at +1-832-813-4806

CoA Date: 04/11/2022

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80652407
PO #: 19237
Weight: 182100.000 LB
Ship Date: 04/11/2022
Package: BULK
Mode: Hopper Car
Car #: CPCX815306
Seal No: 280475

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PPB821530

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.24	g/10min
HLMI Flow Rate	ASTM D1238	20	g/10min
Density	D1505 or D4883	0.937	g/cm3
Pellet Count	PPC-SOP-0028	23	pelet/gram
Production Date		02/21/2022	

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Erin Xiao
Quality Systems Coordinator

For CoA questions contact Leslie Dziamara at +1-832-813-4806

CoA Date: 04/20/2022

Certificate of Analysis

Shipped To: AGRU AMERICA INC:GEORGETOWN
500 GARRISON RD
GEORGETOWN SC 29440
USA

Recipient: PALMER
Fax:

Delivery #: 80658547
PO #: 19237
Weight: 182300.000 LB
Ship Date: 04/20/2022
Package: BULK
Mode: Hopper Car
Car #: CPCX815871
Seal No: 272072

Product:
MARLEX K307 POLYETHYLENE in Bulk

Lot Number: PPA821850

Property	Test Method	Value	Unit
Melt Index	ASTM D1238	0.28	g/10min
HLMI Flow Rate	ASTM D1238	24	g/10min
Density	D1505 or D4883	0.937	g/cm3
Pellet Count	PPC-SOP-0028	25	pelet/gram
Production Date		01/28/2022	

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP (CPChem).
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Erin Xiao
Quality Systems Coordinator

For CoA questions contact Leslie Dziamara at +1-832-813-4806

Tensiometer Calibration Certificate

DEMTECH Services Inc.®

CALIBRATION CERTIFICATE

Tensiometer Model:	Pro-Tester [T-0100/A or T-0100SE/A]		
Device Calibrated:	S-Type load cell	Calibration Apparatus:	
Range:	0 - 750 lbs. Tension		
Model No:	M2405-750#	Pro-Cal unit, model TC-0100/A	
Serial No:	**29027**		

		Dead Weight:		Reference Cell:	
A/D Module Model No:	T-029	W1	2	R1	2
A/D Module Serial No:	**1908229027**	W2	152	R2	152
Channel No:	N/A	W3	302	R3	302

Indicator reading with no load: 0

Offset: **6.035441** Scale: **4.436989**

Applied Force lbs.	Cell Response:	Deviation Error:
2	2	0.00
52	52	0.00
102	102	0.00
152	152	0.00
202	202	0.00
252	252	0.00
302	302	0.00

Total Deviation Error (%): 0.00%

Temperature at time of calibration: 73 degrees F

Exitation Voltage: 5 V DC

This calibration conforms to the standards set by ASTM E4 and is traceable to NIST standards

Note: A/D Module and load cell above have been systems calibrated and are considered a matched pair. In general, calibrated A/D Modules and load cells are not interchangeable.

Calibration Technician: Marc Scott Date: 06/16/22

Signature:

DEMTECH Services Inc.®

CALIBRATION CERTIFICATE

Tensiometer Model:	Pro-Tester [T-0100/A or T-0100SE/A]		
Device Calibrated:	S-Type load cell	Calibration Apparatus:	
Range:	0 - 750 lbs. Tension		
Model No:	M2405-750#	Pro-Cal unit, model TC-0100/A	
Serial No:	**21182**		

		Dead Weight:		Reference Cell:	
A/D Module Model No:	T-029	W1	2	R1	2
A/D Module Serial No:	**2207221182**	W2	152	R2	152
Channel No:	N/A	W3	302	R3	302

Indicator reading with no load: 0

Offset: **-8.770917** Scale: **4.818515**

Applied Force lbs.	Cell Response:	Deviation Error:
2	2	0.00
52	52	0.00
102	102	0.00
152	152	0.00
202	202	0.00
252	252	0.00
302	302	0.00

Total Deviation Error (%): 0.00%

Temperature at time of calibration: 73 degrees F

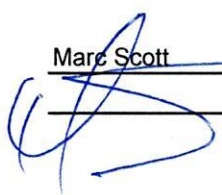
Exitation Voltage: 5 V DC

This calibration conforms to the standards set by ASTM E4 and is traceable to NIST standards

Note: A/D Module and load cell above have been systems calibrated and are considered a matched pair. In general, calibrated A/D Modules and load cells are not interchangeable.

Calibration Technician: Marc Scott Date: 06/16/22

Signature:



DEMTECH Services Inc.®

CALIBRATION CERTIFICATE

Tensiometer Model:	Pro-Tester [T-0100/A or T-0100SE/A]
Device Calibrated:	S-Type load cell
Range:	0 - 750 lbs. Tension
Model No:	M2405-750#
Serial No:	**205319**

Calibration Apparatus:

Pro-Cal unit, model TC-0100/A

A/D Module Model No:	T-029
A/D Module Serial No:	**405205319**
Channel No:	N/A

Dead Weight:

W1	2
W2	152
W3	302

Reference Cell:

R1	2
R2	152
R3	302

Indicator reading with no load: 0

Offset: **1.065553** Scale: **4.968461**

Applied Force lbs.	Cell Response:	Deviation Error:
2	2	0.00
52	52	0.00
102	102	0.00
152	152	0.00
202	202	0.00
252	252	0.00
302	302	0.00

Total Deviation Error (%): 0.00%

Temperature at time of calibration: 73 degrees F

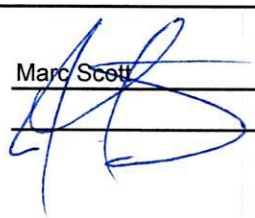
Exitation Voltage: 5 V DC

This calibration conforms to the standards set by ASTM E4 and is traceable to NIST standards

Note: A/D Module and load cell above have been systems calibrated and are considered a matched pair. In general, calibrated A/D Modules and load cells are not interchangeable.

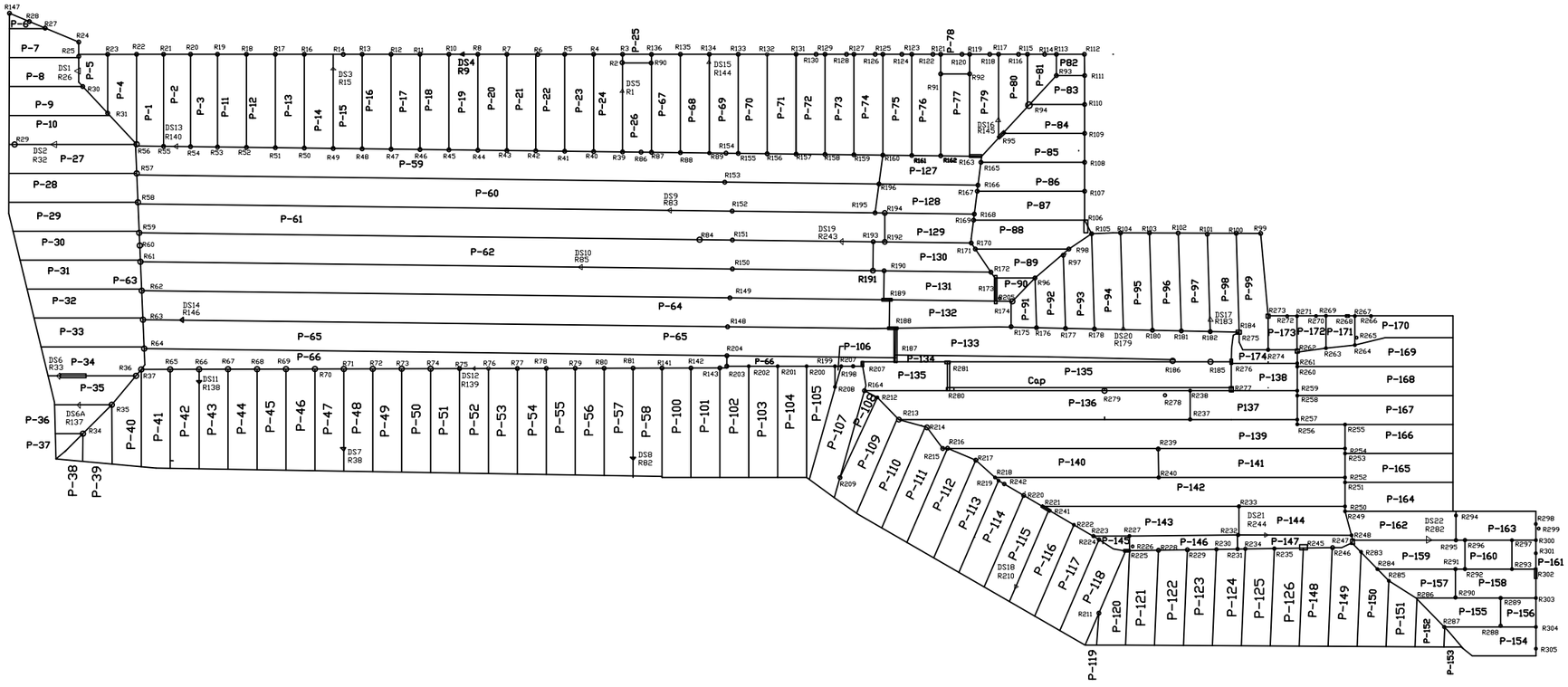
Calibration Technician: Marc Scott

Signature:



Date: 06/17/22

As-built Panel Layout Drawing



60 MIL HDPE SMOOTH AND TEXTURED
RECORD DRAWING

SCALE-1"= 50'

50 0 50 100

PXX PANEL NUMBER
● RXX REPAIR
△ DS-XX DESTRUCT
⊕ BOOT
═══ CAP STRIP

NOTE:
1. RECORD DRAWING IS BASED ON FIELD OBSERVATIONS AND NOT SURVEYED LOCATIONS.

GLOBAL CONTAINMENT SOLUTIONS
405 EAST FORREST STREET
SUITE 110
DCONOMOWOC, WI 53066
PHONE: (262) 354-0959
Global Containment Solutions

NORTH

REV.	DESCRIPTION	DATE	BY
A	REVISED NOTES PER COMMENTS	10/6/22	DCG
B	REVISED NOTES PER COMMENTS	10/24/22	DCG

TITLE:
SHERCO GENERATING PLANT
CELL 4 CONSTRUCTION
BECKER, MN

CHECKED BY:	DATE
DRAWN BY: Dan Garlow	DATE 9/29/22
SCALE 1"=50'	
JOB NUMBER 22-05-1081	
SHEET NUMBER 1 OF 1	

Subgrade Acceptance Forms

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-1 thru P-3

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

This certification is based on observation of the surface of the subgrade only. No subsurface inspections or test have been performed and Environmental Specialties International, Inc. makes no representations or warranties regarding conditions which may exist below the surface of the subgrade.

AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/10/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/10/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-4 thru P-10

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/11/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/11/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-11 thru P-26

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/13/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/13/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-27 thru P-41

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/15/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/15/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-42 thru P-58

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR:

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/16/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/16/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-59 thru P-65

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

Signature	Supervisor	8/17/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

Signature	QCA/Carlson McCain	8/17/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-66 thru P-78

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/20/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/20/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-79 thru P-99

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/22/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/22/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-100 thru P-110

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/23/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/23/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-111 thru P-126

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/24/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/24/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-127 thru P-135

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/25/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/25/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-136 thru P-143

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

Signature	Supervisor	8/26/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

Signature	QCA/Carlson McCain	8/26/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-144 thru P-147

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	8/27/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	8/27/2022
Signature	*Title*	*DATE*

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-148 thru P-167

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

The undersigned, ,certifies that he/she is a representative of GLOBAL CONTAINMENT SOLUTIONS, LLC authorized to execute this certificate, that he/she has visually inspected the subgrade surface described above on and found the surface to be acceptable for installation of the geomembrane.

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

Signature	Title	DATE
	Supervisor	8/31/2022

OWNER REPRESENTATIVE

Signature	Title	DATE
	QCA/Carlson McCain	8/31/2022

CERTIFICATE OF SUBGRADE SURFACE ACCEPTANCE

INSTALLER: GLOBAL CONTAINMENT SOLUTIONS, LLC

PROJECT NAME: Xcel Sherco Cell 4 PROJECT NO: 22-05-1081

LOCATION: P-168 thru P-174

AREA ACCEPTED:

PANEL NUMBERS:

GRADE ACCEPTANCE: INSPECTOR:

GENERAL CONTRACTOR: Veit

OWNER: Excel Sherco

AUTHORIZED REPRESENTATIVE: Carlson McCain

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AUTHORIZED REPRESENTATIVE OF GLOBAL CONTAINMENT SOLUTIONS, LLC

	Supervisor	9/1/2022
Signature	*Title*	*DATE*

OWNER REPRESENTATIVE

	QCA/Carlson McCain	9/1/2022
Signature	*Title*	*DATE*

Trial Weld Forms

Global Containment Solutions LLC
Preweld Test Report

Project Name: Xcel Sherco Cell 3 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond** **Peel Test Extrusion Minimum** PPI

Job Description: **Secondary** **Cell** X **Peel Test Fusion Minimum** PPI

Reported By : Veomany Thongdarong **Cap** **Shear Test Minimum** PPI

Other :

Liner Types **S = Smooth** **T = Textured** **SG = Super Grip**

Weld Date / Liner Type	Time AM | PM	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Ambient Temp		Coupon 1 A	Coupon 1 B	Coupon 2 A	Coupon 2 B	Coupon 3 A	Coupon 3 B	Coupon 4 A	Coupon 4 B	Coupon 5 A	Coupon 5 B	Test Results
8/11/22	12:37	Bounhack Inthirath	5007	7.5	860		89	Peel	111	96	96	112	107	93					Pass
S TO S	PM							Shear	131		132		120						
8/11/22	12:42	Bounhack Inthirath	5007	6	860		89	Peel	133	137	134	125	120	121					Pass
T TO T	PM							Shear	151		134		130						
8/13/22	7:45	Bounhack Inthirath	5007	7.5	860		65	Peel	113	112	111	123	108	123					Pass
S TO S	AM							Shear	155		151		150						
8/13/22	7:50	Bounhack Inthirath	5007	7.5	860		65	Peel	137	136	137	142	120	130					Pass
T TO T	AM							Shear	158		161		158						
8/13/22	12:55	Bounhack Inthirath	5007	7.5	860		75	Peel	107	104	104	103	103	106					Pass
TO S	PM							Shear	127		132		130						
8/13/22	1:00	Bounhack Inthirath	5007	7.5	860		75	Peel	113	119	115	121	127	125					Pass
T TO T	PM							Shear	128		123		123						
8/13/22	1:00	Mohamed Mohamed	50441		500	400	75	Peel	90		92		90						Pass
T TO T	PM							Shear	110		100		110						
8/13/22	1:05	Mohamed Mohamed	50441		500	400	75	Peel	126		139		124						Pass
T TO T	PM							Shear	140		134		138						
12/ 13/ 22	2:27	Bounhack Inthirath	5007	5	860		75	Peel	119	121	115	120	118	120					Pass
T	PM							Shear	120		125		124						
8/15/22	7:50	trisk SENGTHAVOR	5009	7	860		65	Peel	119	107	124	116	133	117					Pass
TO	AM							Shear	131		146		144						
8/15/22	7:55	trisk SENGTHAVOR	5009	5	860		65	Peel	107	95	113	102	97	97					Pass
TO	AM							Shear	141		139		147						
8/15/22	8:20	Mohamed Mohamed	50441		500	500	65	Peel	155		135		146						Pass
TO	AM							Shear	150		150		150						
8/15/22	12:50	trisk SENGTHAVOR	5009	7	860		75	Peel	116	94	120	93	118	95					Pass
TO	PM							Shear	141		140		130						
8/15/22	12:53	trisk SENGTHAVOR	5009	5	860		75	Peel	107	133	128	97	116	133					Pass
TO	PM							Shear	139		137		136						
8/15/22	12:45	Mohamed Mohamed	50441		500	500	75	Peel	125		124		127						pass
TO	pm							Shear	130		124		128						
8/16/22	7:30	trisk SENGTHAVOR	5007	7.5	860		65	Peel	103	105	108	103	107	92					Pass
TO	AM							Shear	126		141		146						

Global Containment Solutions LLC
Preweld Test Report

Project Name: Xcel Sherco Cell 3 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond** **Peel Test Extrusion Minimum** PPI

Job Description: **Secondary** **Cell** X **Peel Test Fusion Minimum** PPI

Reported By : Veomany Thongdarong **Cap** **Shear Test Minimum** PPI

Other :

Liner Types **S = Smooth** **T = Textured** **SG = Super Grip**

Weld Date / Liner Type	Time AM / PM	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Ambient Temp		Coupon 1 A	Coupon 1 B	Coupon 2 A	Coupon 2 B	Coupon 3 A	Coupon 3 B	Coupon 4 A	Coupon 4 B	Coupon 5 A	Coupon 5 B	Test Results
8/16/22	7:35	trisk SENGTHAVOR	5007	5	860		75	Peel	113	106	105	106	100	104					Pass
TO	AM							Shear	150		149		153						
8/16/22	12:50	trisk SENGTHAVOR	5007	7.5	860		75	Peel	93	99	92	93	95	98					Pass
TO	PM							Shear	125		126		123						
8/16/22	12:55	trisk SENGTHAVOR	5007	5	860		75	Peel	110	103	112	105	109	108					Pass
TO	PM							Shear	135		130		128						
8/17/22	9:10	trisk SENGTHAVOR	5007	7.5	860		67	Peel	121	121	135	135	128	131					Pass
TO	AM							Shear	146		131		153						
8/17/22	10:52	trisk SENGTHAVOR	5007	6.5	860		67	Peel	119	115	117	122	106	110					Pass
TO	AM							Shear	123		128		139						
8/17/22	12:40	trisk SENGTHAVOR	5007	7.5	860		76	Peel	118	114	120	113	128	128					Pass
TO	PM							Shear	137		139		132						
817/22	12:45	trisk SENGTHAVOR	5007	6.5	860		76	Peel	125	123	119	126	122	117					Pass
TO	PM							Shear	121		123		131						
8/18/22	9:00	trisk SENGTHAVOR	5007	7.5	860		65	Peel	126	136	136	125	120	137					Pass
TO	AM							Shear	160		155		157						
8/18/22	9:05	trisk SENGTHAVOR	5007	6.5	860		67	Peel	123	136	124	124	127	126					Pass
TO	AM							Shear	146		140		142						
8/18/22	8:30	Mohamed Mohamed	50441		500	500	67	Peel	139		126		120						Pass
TO	AM							Shear	160		155		157						
8/20/22	8:00	trisk SENGTHAVOR	5007	6.5	860		65	Peel	126	118	117	113	127	130					Pass
TO	AM							Shear	148		148		134						
8/20/22	8:03	trisk SENGTHAVOR	5007	5	860		67	Peel	138	133	125	128	134	113					Pass
TO	AM							Shear	155		160		158						
8/20/22	7:40	Mohamed Mohamed	50441		500	500	65	Peel	144		145		145						Pass
TO	AM							Shear	150		156		154						
8/20/22	12:55	trisk SENGTHAVOR	5007	7	860		75	Peel	112	128	130	127	128	125					Pass
TO	PM							Shear	149		140		138						
8/20/22	1:00	trisk SENGTHAVOR	5007	5	860		75	Peel	141	129	147	135	145	139					Pass
TO	PM							Shear	146		144		145						
8/20/22	1:00	Mohamed Mohamed	50441		500	500	76	Peel	140		125		130						Pass
TO	PM							Shear	149		144		145						

Global Containment Solutions LLC
Preweld Test Report

Project Name: Xcel Sherco Cell 3 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond** **Peel Test Extrusion Minimum** PPI

Job Description: **Secondary** **Cell** X **Peel Test Fusion Minimum** PPI

Reported By : Veomany Thongdarong **Cap** **Shear Test Minimum** PPI

Other :

Liner Types **S = Smooth** **T = Textured** **SG = Super Grip**

Weld Date / Liner Type	Time AM / PM	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Ambient Temp		Coupon 1 A	Coupon 1 B	Coupon 2 A	Coupon 2 B	Coupon 3 A	Coupon 3 B	Coupon 4 A	Coupon 4 B	Coupon 5 A	Coupon 5 B	Test Results
8/22/22	7:35	Mohamed Mohamed	50441		500	500	67	Peel	139		135		136						pass
TO	AM							Shear	156		157		172						
8/22/22	12:55	trisk SENGTHAVOR	5007	7.5	860		75	Peel	114	101	108	99	103	102					pass
TO	PM							Shear	137		138		139						
8/22/22	12:55	trisk SENGTHAVOR	5007	5	860		75	Peel	112	112	121	110	116	112					pass
TO	PM							Shear	137		134		135						
8/23/22	7:35	trisk SENGTHAVOR	5007	7.5	860		65	Peel	110	112	108	105	115	113					pass
TO	AM							Shear	130		128		125						
8/23/22	7:40	trisk SENGTHAVOR	5007	5	860		65	Peel	140	131	138	130	125	124					pass
TO	am							Shear	141		142		145						
8/23/22	12:55	trisk SENGTHAVOR	5007	7.5	860		75	Peel	116	126	132	130	121	133					Pass
TO	pm							Shear	139		135		136						
8/23/22	1:00	trisk SENGTHAVOR	5007	5	860		75	Peel	91	107	118	109	107	97					Pass
TO	PM							Shear	146		141		134						
8/24/22	7:20	trisk SENGTHAVOR	5007	7.5	860		68	Peel	117	113	108	107	115	102					pass
TO	AM							Shear	149		146		150						
8/24/22	7:40	Mohamed Mohamed	50441		500	500	68	Peel	135		101		127						Pass
TO	AM							Shear	131		128		134						
8/24/22	1:00	trisk SENGTHAVOR	5007	7.5	860		75	Peel	97	104	98	97	96	100					pass
TO	pm							Shear	145		147		140						
8/24/22	1:05	trisk SENGTHAVOR	5007	5	860		75	Peel	117	108	113	107	110	122					Pass
TO	PM							Shear	135		144		143						
8/24/22	1:00	Mohamed Mohamed	50441		500	500	75	Peel	137		129		123						Pass
TO	PM							Shear	146		145		161						
8/25/22	7:45	Mohamed Mohamed	50441		500	500	62	Peel	130		131		134						Pass
TO	AM							Shear	140		139		137						
8/25/22	9:00	trisk SENGTHAVOR	5007	7.5	860		62	Peel	120	129	125	130	131	134					Pass
TO	AM							Shear	145		144		140						
8/25/22	9:05	trisk SENGTHAVOR	5007	5	860		62	Peel	120	134	129	124	118	125					Pass
TO	AM							Shear	147		145		150						
8/25/22	1:00	trisk SENGTHAVOR	5007	7.5	860		76	Peel	146	130	140	149	142	140					Pass
TO	PM							Shear	157		154		151						

Global Containment Solutions LLC
Preweld Test Report

Project Name: Xcel Sherco Cell 3 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond** **Peel Test Extrusion Minimum** PPI

Job Description: **Secondary** **Cell** X **Peel Test Fusion Minimum** PPI

Reported By : Veomany Thongdarong **Cap** **Shear Test Minimum** PPI

Other :

Liner Types **S = Smooth** **T = Textured** **SG = Super Grip**

Weld Date / Liner Type	Time AM / PM	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Ambient Temp		Coupon 1 A	Coupon 1 B	Coupon 2 A	Coupon 2 B	Coupon 3 A	Coupon 3 B	Coupon 4 A	Coupon 4 B	Coupon 5 A	Coupon 5 B	Test Results
8/25/22	1:05	trisk SENGTHAVOR	5007	5	860		76	Peel	142	138	129	126	126	128					Pass
TO	PM							Shear	153		155		156						
8/25/22	1:06	Mohamed Mohamed	50441		500	500	76	Peel	136		141		140						Pass
TO	PM							Shear	145		147		146						
8/26/22	7:40	trisk SENGTHAVOR	50441	5	860		78	Peel	129	121	135	130	135	128					Pass
TO	AM							Shear	147		144		154						
8/26/22	7:45	trisk SENGTHAVOR	50441	7.5	860		78	Peel	145	138	140	135	135	134					Pass
TO	AM							Shear	173		180		175						
8/26/22	7:45	Mohamed Mohamed	5007		500	500	78	Peel	132		134		136						Pass
TO	AM							Shear	140		137		138						
8/26/22	1:00	trisk SENGTHAVOR	5007	7.5	860		83	Peel	119	112	115	117	117	114					Pass
TO	PM							Shear	151		150		151						
8/26/22	12:55	trisk SENGTHAVOR	5007	5	860		83	Peel	106	120	104	116	106	114					Pass
TO	PM							Shear	149		150		148						
8/26/22	1:00	Mohamed Mohamed	50441		500	500	83	Peel	144		143		142						Pass
TO	PM							Shear	151		148		150						
8/27/22	8:00	trisk SENGTHAVOR	50440		550	550	70	Peel	100		105		104						Pass
TO	AM							Shear	154		150		148						
8/27/22	8:00	Mohamed Mohamed	50441		500	500	70	Peel	108		112		110						Pass
TO	AM							Shear	130		125		132						
8/29/22	8:30	Mohamed Mohamed	50441		500	500	70	Peel	140		138		135						Pass
TO	AM							Shear	145		148		142						
8/29/22	1:00	Mohamed Mohamed	50441		500	500	75	Peel	134		132		133						Pass
TO	PM							Shear	140		139		141						
8/31/22	1:00	trisk SENGTHAVOR	5007	7.5	860		80	Peel	108	101	106	103	105	107					Pass
TO								Shear	130		128		131						
8/31/22	1:05	trisk SENGTHAVOR	5007	5	860		80	Peel	118	120	114	121	116	114					Pass
TO								Shear	140		132		136						
9/1/22	10:00	Mohamed Mohamed	50441		500	500	85	Peel	111		112		114						Pass
TO								Shear	125		124		130						
9/1/22	10:40	trisk SENGTHAVOR	5007	7.5	860		85	Peel	97	94	99	96	100	98					Pass
TO								Shear	123		124		128						

Global Containment Solutions LLC
Preweld Test Report

Project Name: Xcel Sherco Cell 3 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond** **Peel Test Extrusion Minimum** PPI

Job Description: **Secondary** **Cell** X **Peel Test Fusion Minimum** PPI

Reported By : Veomany Thongdarong **Cap** **Shear Test Minimum** PPI

Other :

Liner Types **S = Smooth** **T = Textured** **SG = Super Grip**

Weld Date / Liner Type	Time AM / PM	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Ambient Temp		Coupon 1 A	Coupon 1 B	Coupon 2 A	Coupon 2 B	Coupon 3 A	Coupon 3 B	Coupon 4 A	Coupon 4 B	Coupon 5 A	Coupon 5 B	Test Results
9/1/22	10:45	trisk SENGTHAVOR	5007	5	860		85	Peel	115	114	116	100	117	103					Pass
TO								Shear	130		131		129						
9/1/22	1:100	Mohamed Mohamed	50441		500	500	90	Peel	122		128		127						pass
TO								Shear	142		150		146						
9/1/22	1:05	trisk SENGTHAVOR	50441	7.5	860		90	Peel	115	106	110	104	108	103					pass
TO								Shear	130		132		128						
9/1/22	1:06	trisk SENGTHAVOR	50441	5	860		90	Peel	124	129	127	131	130	130					pass
TO								Shear	135		135		132						
9/2/22	7:25	trisk SENGTHAVOR	5007	5	860		74	Peel	102	112	108	110	105	109					pass
TO								Shear	130		132		128						
9/2/22	7:40	Mohamed Mohamed	50441		500	500	74	Peel	128		130		132						pass
TO								Shear	147		145		146						
	:							Peel											
TO								Shear											
	:							Peel											
TO								Shear											
	:							Peel											
TO								Shear											
	:							Peel											
TO								Shear											
	:							Peel											
TO								Shear											
	:							Peel											
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TO								Shear											
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TO								Shear											
	:							Peel											
TO								Shear											
	:							Peel											
TO								Shear											

Panel Placement Forms

Global Containment Solutions, LLC

Daily Panel Placement

Deployment Date 8/10/2022

Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

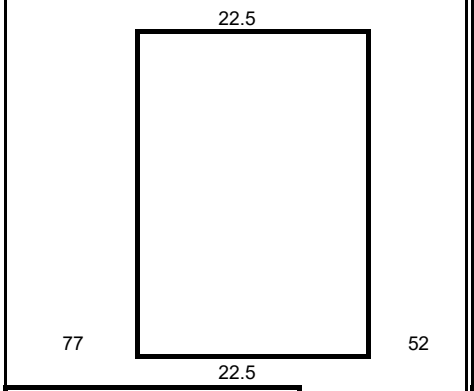
Panel # 1	Roll # 480007	Panel # 2	Roll # 480007	Panel # 3	Roll # 480007
22.5 / 76 / 22.5 / 76 / 22.5		22.5 / 75 / 22.5 / 75 / 22.5		22.5 / 76 / 22.5 / 76 / 22.5	
AVG Length 76	Lineal Feet Trench	AVG Length 75	Lineal Feet Trench	AVG Length 76	Lineal Feet Trench
Final SF 1710		Final SF 1687.5		Final SF 1710	
Panel #	Roll #	Panel #	Roll #	Panel #	Roll #
22.5 / 22.5 / 22.5		22.5 / 22.5 / 22.5		22.5 / 22.5 / 22.5	
AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench
Final SF		Final SF		Final SF	
Panel #	Roll #	Panel #	Roll #		
22.5 / 22.5 / 22.5		22.5 / 22.5 / 22.5			
AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench		
Final SF		Final SF			

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	5107.5	SF
Total Previous Pages		SF
Total Pay Area to Date	5107.5	SF

Global Containment Solutions, LLC

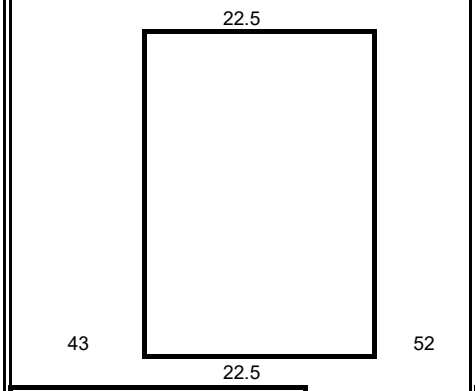
Deployment Date 8/11/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-5-1081 **Supt:** Danny Thongdarong
Material: 60 mil texure **Pond** **Cell** x **Cap** **Other:**

Panel #	4	Roll #	480008



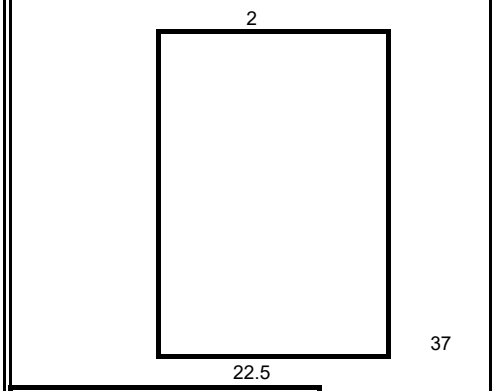
AVG Length	64.5	Lineal Feet Trench	
Final SF	1451.25		

Panel #	5	Roll #	480008



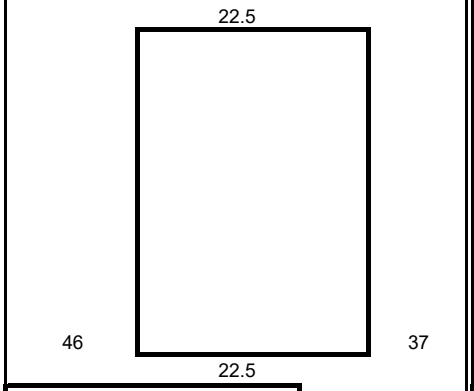
AVG Length	47.5	Lineal Feet Trench	
Final SF	1068.75		

Panel #	6	Roll #	480008



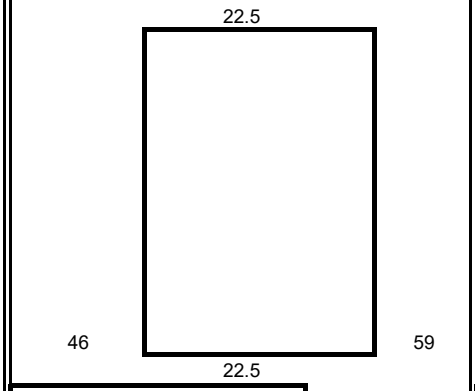
AVG Length	18.5	Lineal Feet Trench	
Final SF	416.25		

Panel #	7	Roll #	480008



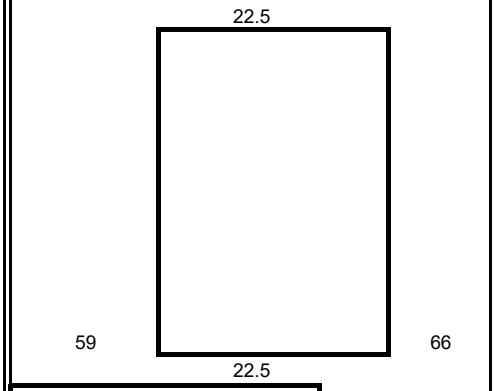
AVG Length	41.5	Lineal Feet Trench	
Final SF	933.75		

Panel #	8	Roll #	480008



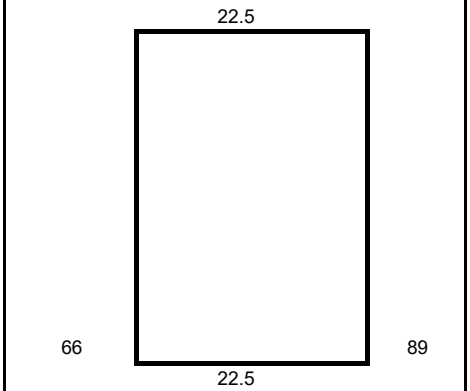
AVG Length	52.5	Lineal Feet Trench	
Final SF	1181.25		

Panel #	9	Roll #	480008



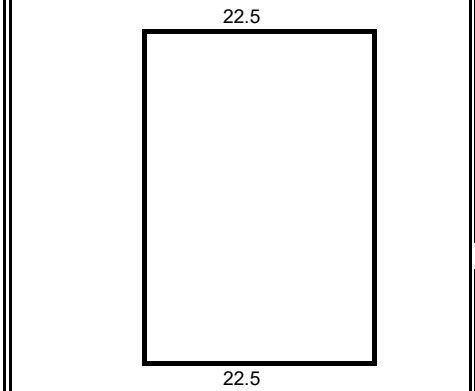
AVG Length	62.5	Lineal Feet Trench	
Final SF	1406.25		

Panel #	10	Roll #	480008



AVG Length	77.5	Lineal Feet Trench	
Final SF	1743.75		

Panel #		Roll #	



AVG Length		Lineal Feet Trench	
Final SF			

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF

Total Pay Area This Page	8201.25	SF
Total Previous Pages	5107.5	SF
Total Pay Area to Date	13308.75	SF

Global Containment Solutions, LLC

Deployment Date 8/13/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	11	Roll #	380007
22.5			
77		78	
22.5			
AVG Length	77.5	Lineal Feet Trench	
Final SF	1743.75		

Panel #	12	Roll #	380007
22.5			
78		78	
22.5			
AVG Length	78	Lineal Feet Trench	
Final SF	1755		

Panel #	13	Roll #	380007
22.5			
78		78	
22.5			
AVG Length	78	Lineal Feet Trench	
Final SF	1755		

Panel #	14	Roll #	3800139
22.5			
79		78	
22.5			
AVG Length	78.5	Lineal Feet Trench	
Final SF	1766.25		

Panel #	15	Roll #	3800139
22.5			
79		80	
22.5			
AVG Length	79.5	Lineal Feet Trench	
Final SF	1788.75		

Panel #	16	Roll #	3800139
22.5			
80		81	
22.5			
AVG Length	80.5	Lineal Feet Trench	
Final SF	1811.25		

Panel #	17	Roll #	3800139
22.5			
80		80	
22.5			
AVG Length	80	Lineal Feet Trench	
Final SF	1800		

Panel #	18	Roll #	3800139
22.5			
80		81	
22.5			
AVG Length	80.5	Lineal Feet Trench	
Final SF	1811.25		

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	14231.25	SF
Total Previous Pages	13308.75	SF
Total Pay Area to Date	27540	SF

Global Containment Solutions, LLC

Deployment Date 8/13/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Length	Width	Lineal Feet Trench
19	3800139	81	22.5	
20	3800137	82	22.5	
21	3800137	82.5	22.5	
22	3800137	83	22.5	
23	3800137	83.5	22.5	
24	3800137	83.5	22.5	
25	3800137	6	22.5	
26	380017	77	22.5	

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF
Total Pay Area This Page	13016.25 SF
Total Previous Pages	27540 SF
Total Pay Area to Date	40556.25 SF

Global Containment Solutions, LLC

Deployment Date 8/15/2022 **Daily Panel Placement**

Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

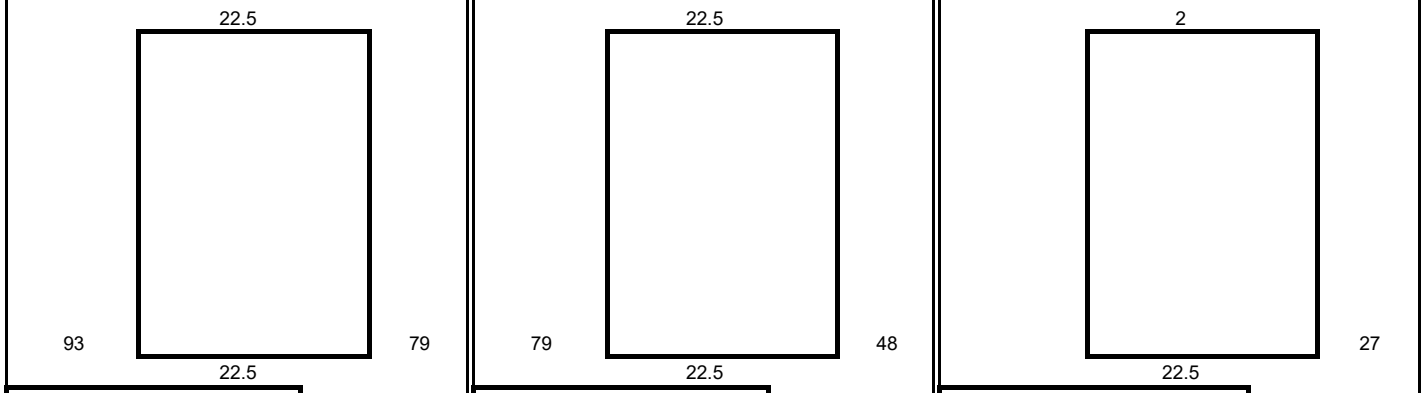
Panel #	Roll #	Length	Width	Lineal Feet Trench
27	480005	117	22.5	
28	480005	117	22.5	
29	480005	116.5	22.5	
30	480005	114	22.5	
31	380107	108.5	22.5	
32	380107	102	22.5	
33	380107	98	22.5	
34	380107	95	22.5	

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	19530	SF
Total Previous Pages	40556.25	SF
Total Pay Area to Date	60086.25	SF

Global Containment Solutions, LLC

Deployment Date 8/15/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Length	Width	Lineal Feet Trench	Final SF
35	380107	86	22.5	4	1935
36	380107	63.5	22.5	4	1428.75
37	380107	13.5	22.5	4	303.75
38	80028	12	18	4	216
39	80005	36.5	22.5	4	821.25
40	80082	64.5	22.5	4	1451.25
41	480082	82	22.5		1845
			22.5		



Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF
Total Pay Area This Page	8001 SF
Total Previous Pages	60086.25 SF
Total Pay Area to Date	68087.25 SF

Global Containment Solutions, LLC

Deployment Date 8/16/2022 **Daily Panel Placement**

Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Length	Width	Lineal Feet Trench	Final SF
42	80082	88	22.5	4	1980
43	80082	84	22.5	4	1890
44	80082	84	22.5	4	1890
45	80082	84	22.5	4	1890
46	80130	84	22.5	4	1890
47	80130	84	22.5	4	1890
48	80130	84	22.5	4	1890
49	80130	84	22.5	4	1890

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	15210	SF
Total Previous Pages	68087.25	SF
Total Pay Area to Date	83297.25	SF

Global Containment Solutions, LLC

Deployment Date 8/16/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	50	Roll #	80130
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

Panel #	51	Roll #	80130
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

Panel #	52	Roll #	80118
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

Panel #	53	Roll #	80118
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

Panel #	54	Roll #	80118
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

Panel #	55	Roll #	80118
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

Panel #	56	Roll #	80118
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

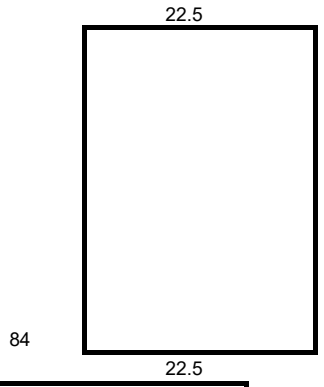
Panel #	57	Roll #	80118
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890	4	

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	15120	SF
Total Previous Pages	83297.25	SF
Total Pay Area to Date	98417.25	SF

Global Containment Solutions, LLC

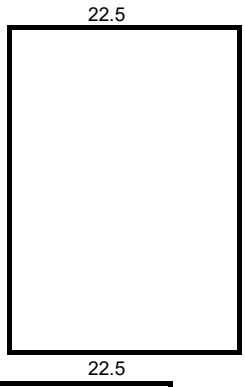
Deployment Date 8/16/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	58	Roll #	80114



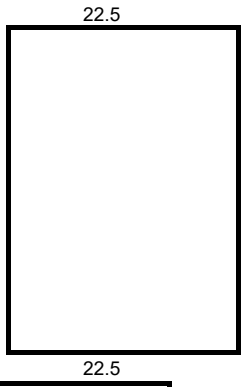
AVG Length	84	Lineal Feet Trench	
Final SF	1890		4

Panel #		Roll #	



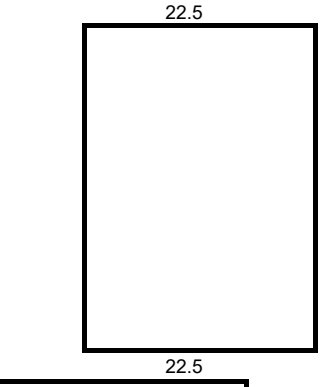
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	



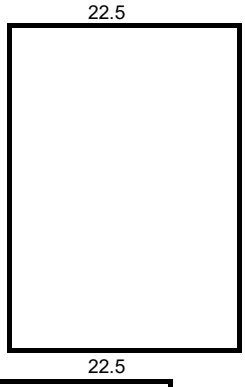
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	



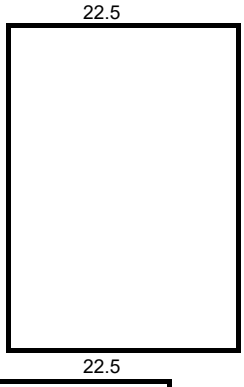
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	



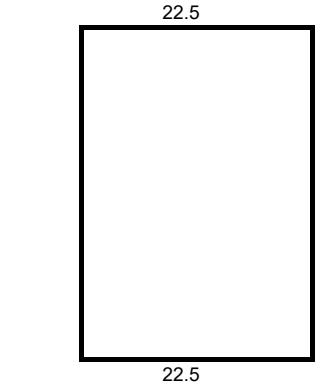
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	



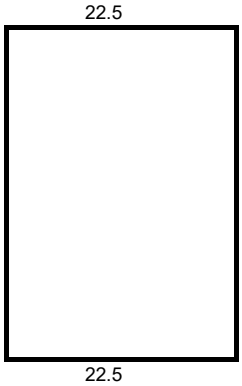
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	



AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	



AVG Length		Lineal Feet Trench	
Final SF			

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF

Total Pay Area This Page	1890	SF
Total Previous Pages	98417.25	SF
Total Pay Area to Date	100307.25	SF

Global Containment Solutions, LLC

Deployment Date 8/17/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil smooth **Pond** **Cell** x **Cap** **Other:**

Panel #	59	Roll #	80008
22.5			
471		471	
22.5			
AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #	60	Roll #	80007
22.5			
471		471	
22.5			
AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #	61	Roll #	80002
22.5			
471		471	
22.5			
AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #	62	Roll #	30030
22.5			
471		471	
22.5			
AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #	63	Roll #	80005
22.5			
471		471	
22.5			
AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #	64	Roll #	80009
22.5			
471		471	
22.5			
AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #	65	Roll #	80001
22.5			
471		471	
22.5			
AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	74182.5	SF
Total Previous Pages	100307.25	SF
Total Pay Area to Date	174489.75	SF

Global Containment Solutions, LLC

Deployment Date 8/20/2022 **Daily Panel Placement**
Project Name: "Xcell sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil smooth **Pond** **Cell** x **Cap** **Other:**

Panel #	66	Roll #	80010

22.5
471 471
22.5

AVG Length	471	Lineal Feet Trench	
Final SF	10597.5		

Panel #		Roll #	

22.5
22.5

AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	

22.5
22.5

AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	

22.5
22.5

AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	

22.5
22.5

AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	

22.5
22.5

AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	

22.5
22.5

AVG Length		Lineal Feet Trench	
Final SF			

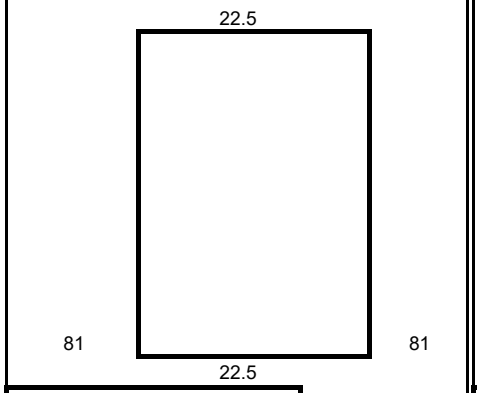
Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF

Total Pay Area This Page	10597.5	SF
Total Previous Pages	174489.75	SF
Total Pay Area to Date	185087.25	SF

Global Containment Solutions, LLC

Deployment Date 8/20/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	AVG Length	Lineal Feet Trench	Final SF
67	80114	81		1822.5
68	80114	81		1822.5
69	80114	81		1822.5
70	80114	81		1822.5
71	80114	81		1822.5
72	80099	81		1822.5
73	80099	81		1822.5
74	80099	81		1822.5

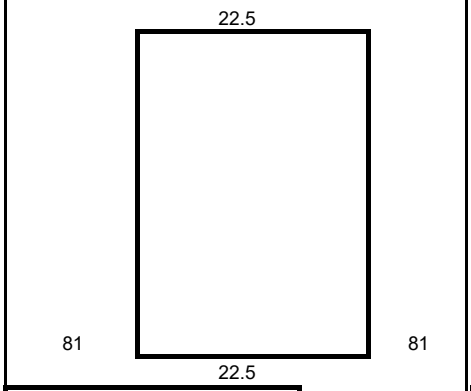


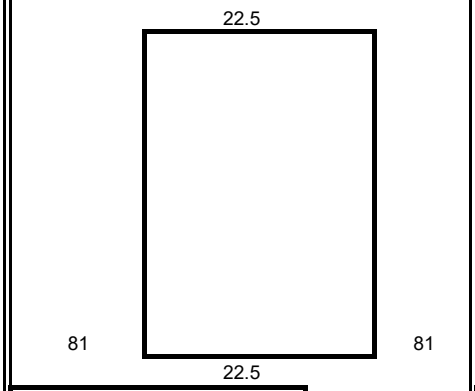
Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF
Total Pay Area This Page	14580 SF
Total Previous Pages	185087.25 SF
Total Pay Area to Date	199667.25 SF

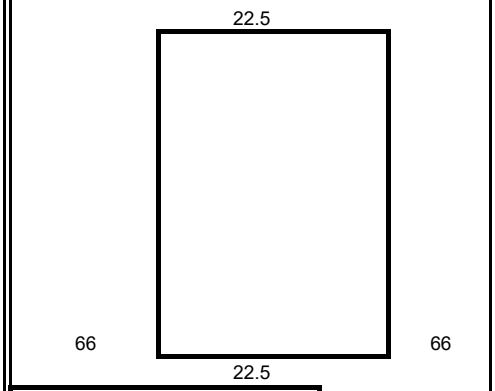
Global Containment Solutions, LLC

Deployment Date 8/20/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Panel #	Roll #	Panel #	Roll #
75	80099	76	80099	77	80099





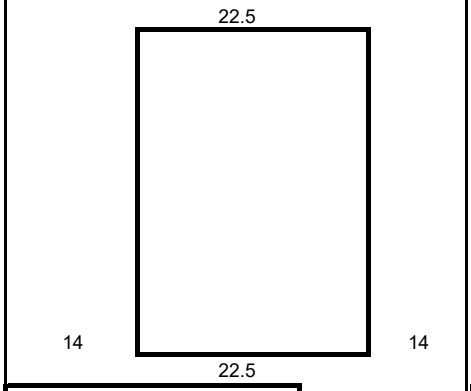


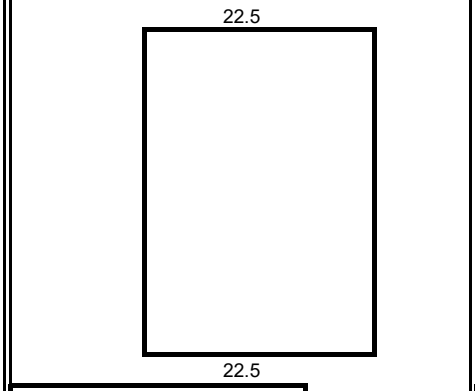
AVG Length	81	Lineal Feet Trench	2
Final SF	1822.5		

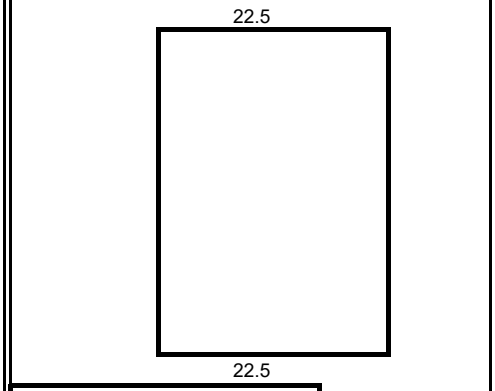
AVG Length	81	Lineal Feet Trench	
Final SF	1822.5		

AVG Length	66	Lineal Feet Trench	
Final SF	1485		

Panel #	Roll #	Panel #	Roll #	Panel #	Roll #
78	80139				





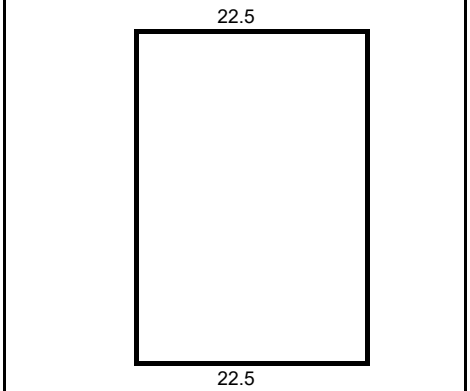


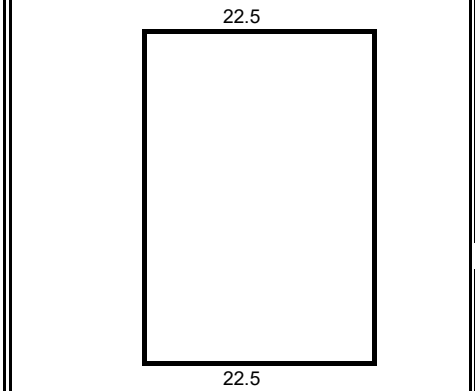
AVG Length	14	Lineal Feet Trench	
Final SF	315		

AVG Length		Lineal Feet Trench	
Final SF			

AVG Length		Lineal Feet Trench	
Final SF			

Panel #	Roll #	Panel #	Roll #





AVG Length		Lineal Feet Trench	
Final SF			

AVG Length		Lineal Feet Trench	
Final SF			

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	5445	SF
Total Previous Pages	199667.25	SF
Total Pay Area to Date	205112.25	SF

Global Containment Solutions, LLC

Deployment Date 8/22/2022 **Daily Panel Placement**

Project Name: "xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	79	Roll #	80026
AVG Length	81	Lineal Feet Trench	
Final SF	1822.5		4

22.5 / 81 / 81 / 22.5

Panel #	80	Roll #	80026
AVG Length	66	Lineal Feet Trench	
Final SF	1485		4

22.5 / 66 / 66 / 22.5

Panel #	81	Roll #	80026
AVG Length	42	Lineal Feet Trench	
Final SF	945		

22.5 / 42 / 42 / 22.5

Panel #	82	Roll #	80026
AVG Length	22	Lineal Feet Trench	
Final SF	495		

22.5 / 22 / 22 / 22.5

Panel #	83	Roll #	80026
AVG Length	44	Lineal Feet Trench	
Final SF	990		

22.5 / 44 / 44 / 22.5

Panel #	84	Roll #	80026
AVG Length	66	Lineal Feet Trench	
Final SF	1485		

22.5 / 66 / 66 / 22.5

Panel #	85	Roll #	80026
AVG Length	93	Lineal Feet Trench	
Final SF	2092.5		

22.5 / 93 / 93 / 22.5

Panel #	86	Roll #	80005
AVG Length	93	Lineal Feet Trench	
Final SF	2092.5		

22.5 / 93 / 93 / 22.5

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	11407.5	SF
Total Previous Pages	205112.25	SF
Total Pay Area to Date	216519.75	SF

Global Containment Solutions, LLC

Deployment Date 8/22/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

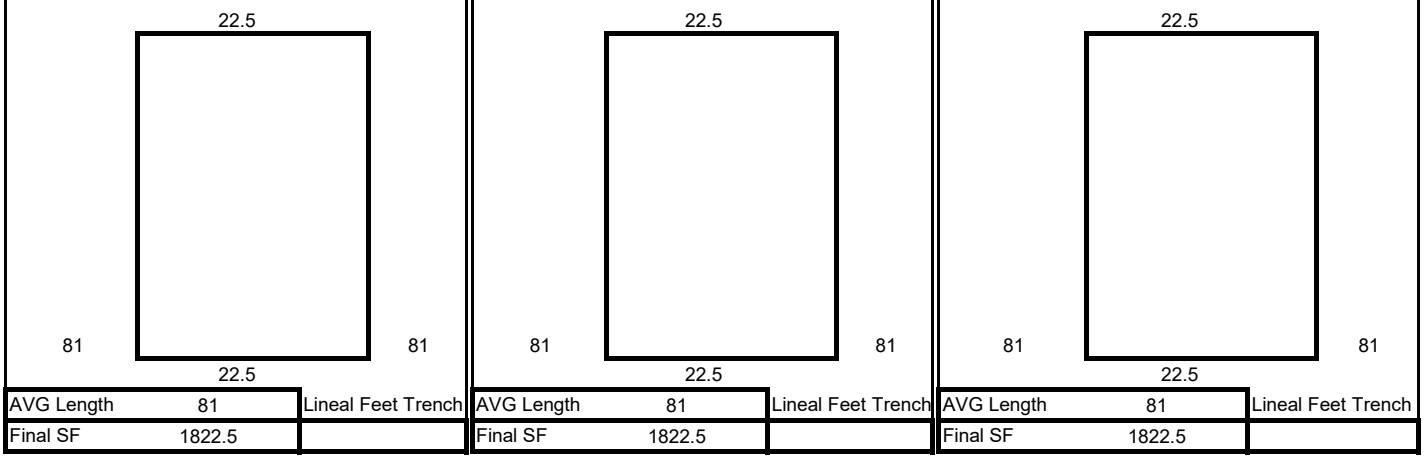
Panel #	Roll #	Length	Lineal Feet Trench	Final SF
87	80005	93		2092.5
88	80005	93		2092.5
89	80005	74		1665
90	80005	50		1125
91	80138	33		742.5
92	80138	61		1372.5
93	80138	81		1822.5
94	80138	81		1822.5

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	12735	SF
Total Previous Pages	216519.75	SF
Total Pay Area to Date	229254.75	SF

Global Containment Solutions, LLC

Deployment Date 8/22/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Panel #	Roll #	Panel #	Roll #
95	80138	96	80138	97	80001
98	80001	99	80001		

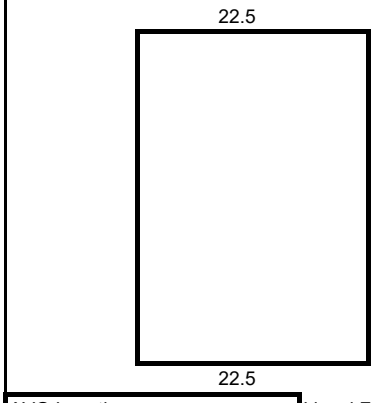


AVG Length	81	Lineal Feet Trench	AVG Length	81	Lineal Feet Trench
Final SF	1822.5		Final SF	1822.5	

AVG Length	81	Lineal Feet Trench	AVG Length	81	Lineal Feet Trench
Final SF	1822.5		Final SF	1822.5	

AVG Length	81	Lineal Feet Trench	AVG Length	81	Lineal Feet Trench
Final SF	1822.5		Final SF	1822.5	

Panel #	Roll #	Panel #	Roll #



AVG Length		Lineal Feet Trench	AVG Length		Lineal Feet Trench
Final SF			Final SF		

AVG Length		Lineal Feet Trench	AVG Length		Lineal Feet Trench
Final SF			Final SF		

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	9112.5	SF
Total Previous Pages	229254.75	SF
Total Pay Area to Date	238367.25	SF

Global Containment Solutions, LLC

Deployment Date 8/23/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Length	Width	AVG Length	Lineal Feet Trench	Final SF
100	80001	84	22.5	84		1890
101	80001	84	22.5	84		1890
102	80004	84	22.5	84		1890
103	80004	84	22.5	84		1890
104	80004	84	22.5	84		1890
105	80004	84	22.5	84		1890
106	80004	8	22	11		88
107	80004	93	22.5	46.5		1046.25

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	12474.25	SF
Total Previous Pages	238367.25	SF
Total Pay Area to Date	250841.5	SF

Global Containment Solutions, LLC

Deployment Date 8/23/2022 **Daily Panel Placement**

Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	108	Roll #	i0004
1			
22.5			
61			
22.5			
AVG Length	30.5	Lineal Feet Trench	
Final SF	686.25		

Panel #	109	Roll #	80004
22.5			
80			80
22.5			
AVG Length	80	Lineal Feet Trench	
Final SF	1800		

Panel #	110	Roll #	80140
22.5			
80			80
22.5			
AVG Length	80	Lineal Feet Trench	
Final SF	1800		

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	4286.25	SF
Total Previous Pages	250841.5	SF
Total Pay Area to Date	255127.75	SF

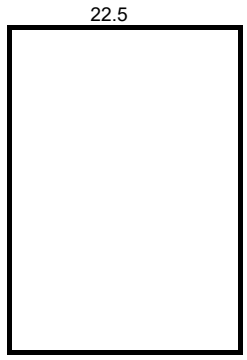
Global Containment Solutions, LLC

Deployment Date 8/24/2022 **Daily Panel Placement**

Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Lineal Feet Trench
111	80140	
112	80140	
113	80140	
114	80051	
115	80051	
116	80051	
117	80051	
118	80051	



AVG Length	80
Final SF	1800

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF
Total Pay Area This Page	14400 SF
Total Previous Pages	255127.75 SF
Total Pay Area to Date	269527.75 SF

Global Containment Solutions, LLC

Deployment Date 8/24/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel # 119	Roll # 80051
AVG Length 22	Lineal Feet Trench
Final SF 220	

2 / 22 / 22 / 10

Panel # 120	Roll # 80051
AVG Length 86	Lineal Feet Trench
Final SF 1935	

22.5 / 86 / 86 / 22.5

Panel # 121	Roll # 80009
AVG Length 86	Lineal Feet Trench
Final SF 1935	

22.5 / 86 / 86 / 22.5

Panel # 122	Roll # 80009
AVG Length 86	Lineal Feet Trench
Final SF 1935	

22.5 / 86 / 86 / 22.5

Panel # 123	Roll # 80009
AVG Length 86	Lineal Feet Trench
Final SF 1935	

22.5 / 86 / 86 / 22.5

Panel # 124	Roll # 80009
AVG Length 86	Lineal Feet Trench
Final SF 1935	

22.5 / 86 / 86 / 22.5

Panel # 125	Roll #
AVG Length	Lineal Feet Trench
Final SF	

22.5 / 22.5

Panel # 126	Roll #
AVG Length	Lineal Feet Trench
Final SF	

22.5 / 22.5

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF

Total Pay Area This Page	9895	SF
Total Previous Pages	269527.75	SF
Total Pay Area to Date	279422.75	SF

Global Containment Solutions, LLC

Deployment Date 8/25/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil smooth **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	80008
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Panel #	Roll #	80007
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Panel #	Roll #	80002
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Panel #	Roll #	80030
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Panel #	Roll #	80005
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Panel #	Roll #	80009
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Panel #	Roll #	80001
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Panel #	Roll #	80010
22.5		
137		137
22.5		
AVG Length	137	Lineal Feet Trench
Final SF	3082.5	

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	24[illegible]50	SF
Total Previous Pages	279422.75	SF
Total Pay Area to Date	~~304092.75~~ 279422.75	SF

Global Containment Solutions, LLC

Deployment Date 8/25/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil smooth **Pond** **Cell** x **Cap** **Other:**

Panel #	127	Roll #	80010
22.5			
68			68
22.5			
AVG Length	68	Lineal Feet Trench	
Final SF	1530		

Panel #	128	Roll #	80011
22.5			
68			68
22.5			
AVG Length	68	Lineal Feet Trench	
Final SF	1530		

Panel #	129	Roll #	80010
22.5			
60			60
22.5			
AVG Length	60	Lineal Feet Trench	
Final SF	1350		

Panel #	130	Roll #	80011
22.5			
61			61
22.5			
AVG Length	61	Lineal Feet Trench	
Final SF	1372.5		

Panel #	131	Roll #	80011
22.5			
54			54
22.5			
AVG Length	54	Lineal Feet Trench	
Final SF	1215		

Panel #	132	Roll #	800q1
22.5			
90			90
22.5			
AVG Length	90	Lineal Feet Trench	
Final SF	2025		

Panel #	133	Roll #	80011
22.5			
317			317
22.5			
AVG Length	317	Lineal Feet Trench	
Final SF	7132.5		

Panel #	134	Roll #	80010
22.5			
240			240
22.5			
AVG Length	240	Lineal Feet Trench	
Final SF	5400		

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	21555	SF
Total Previous Pages	~~304002.75 SF~~ 279422.75 SF	
Total Pay Area to Date	~~325557.75 SF~~ 300977.75 SF	

Global Containment Solutions, LLC

Deployment Date 8/25/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel # 135	Roll # 80007	Panel #	Roll #	Panel #	Roll #
22.5		22.5		22.5	
340 / 340					
22.5		22.5		22.5	
AVG Length 340	Lineal Feet Trench	AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench
Final SF 7650		Final SF		Final SF	

Panel #	Roll #	Panel #	Roll #	Panel #	Roll #
22.5		22.5		22.5	
22.5		22.5		22.5	
AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench
Final SF		Final SF		Final SF	

Panel #	Roll #	Panel #	Roll #
22.5		22.5	
22.5		22.5	
AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench
Final SF		Final SF	

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF

Total Pay Area This Page	7650 SF
Total Previous Pages	~~925667.75 SF~~ 300977.75 SF
Total Pay Area to Date	~~933297.75 SF~~ 308627.75 SF

Global Containment Solutions, LLC

Deployment Date 8/26/2022 **Daily Panel Placement**

Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	136	Roll #	80007
22.5			
265			265
22.5			
AVG Length	265	Lineal Feet Trench	
Final SF	5962.5		

Panel #	137	Roll #	80008
22.5			
87			87
22.5			
AVG Length	87	Lineal Feet Trench	
Final SF	1957.5		

Panel #	~~138~~	Roll #	80006
11			
38			38
11			
AVG Length	~~38~~	Lineal Feet Trench	
Final SF	~~418~~		

Panel #	139	Roll #	80008
22.5			
353			353
22.5			
AVG Length	353	Lineal Feet Trench	
Final SF	7942.5		

Panel #	140	Roll #	80008
22.5			
170			170
22.5			
AVG Length	170	Lineal Feet Trench	
Final SF	3825		

Panel #	141	Roll #	80004
22.5			
151			151
22.5			
AVG Length	151	Lineal Feet Trench	
Final SF	3397.5		

Panel #	142	Roll #	
22.5			
237			237
22.5			
AVG Length	237	Lineal Feet Trench	
Final SF	5332.5		

Panel #	143	Roll #	
22.5			
160			160
22.5			
AVG Length	160	Lineal Feet Trench	
Final SF	3600		

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF
Total Pay Area This Page	~~32483.5~~ 32017.5 SF
Total Previous Pages	~~308207.75 SF~~ 308627.75 SF
Total Pay Area to Date	~~340690.25 SF~~ 340645.25 SF

Global Containment Solutions, LLC

Deployment Date 8/27/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	144	Roll #	80006
22.5			
91		91	
22.5			
AVG Length	91	Lineal Feet Trench	
Final SF	2047.5		

Panel #	145	Roll #	80004
22.5			
35		35	
22.5			
AVG Length	35	Lineal Feet Trench	
Final SF	787.5		

Panel #	146	Roll #	80006
22.5			
84		84	
22.5			
AVG Length	84	Lineal Feet Trench	
Final SF	1890		

Panel #	147	Roll #	80006
11			
91		91	
11			
AVG Length	91	Lineal Feet Trench	
Final SF	1001		

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Panel #		Roll #	
22.5			
22.5			
AVG Length		Lineal Feet Trench	
Final SF			

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF

Total Pay Area This Page	5726 SF
Total Previous Pages	~~365720.25 SF~~ 340645.25 SF
Total Pay Area to Date	~~371446.25 SF~~ 346371.25 SF

Global Containment Solutions, LLC

Deployment Date 8/31/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Length	Width	Lineal Feet Trench
148	80002	87	22.5	
149	80002	87	22.5	
150	80002	87	22.5	
151	80002	81	22.5	
152	80009	39	22.5	
153	80008	16	19	
154		81	22.5	
155		70	22.5	

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF
Total Pay Area This Page	12274 SF
Total Previous Pages	~~374449.25 SF~~ 346371.25 SF
Total Pay Area to Date	~~386720.25 SF~~ 358645.25 SF

Global Containment Solutions, LLC

Deployment Date 8/31/2022 **Daily Panel Placement**

Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong

Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	156	Roll #	80007
22.5			
34			34
22.5			
AVG Length	34	Lineal Feet Trench	
Final SF	765		

Panel #	157	Roll #	80038
22.5			
72			72
22.5			
AVG Length	72	Lineal Feet Trench	
Final SF	1620		

Panel #	158	Roll #	80005
22.5			
54			54
22.5			
AVG Length	54	Lineal Feet Trench	
Final SF	1215		

Panel #	159	Roll #	80002
22.5			
95			95
22.5			
AVG Length	95	Lineal Feet Trench	
Final SF	2137.5		

Panel #	160	Roll #	80002
22.5			
24			24
22.5			
AVG Length	24	Lineal Feet Trench	
Final SF	540		

Panel #	161	Roll #	80005
22.5			
161			161
22.5			
AVG Length	161	Lineal Feet Trench	
Final SF	3622.5		

Panel #	162	Roll #	80026
22.5			
95			95
22.5			
AVG Length	95	Lineal Feet Trench	
Final SF	2137.5		

Panel #	163	Roll #	80003
22.5			
55			55
22.5			
AVG Length	55	Lineal Feet Trench	
Final SF	1237.5		

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	13275	SF
Total Previous Pages	~~358645.25~~	SF 358645.25 SF
Total Pay Area to Date	~~371920.25~~	SF 371920.25 SF

Global Containment Solutions, LLC

Deployment Date 8/31/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	Roll #	Panel #	Roll #	Panel #	Roll #
164	80003	165	80003	166	80003
AVG Length 95	Lineal Feet Trench	AVG Length 95	Lineal Feet Trench	AVG Length 95	Lineal Feet Trench
Final SF 2137.5		Final SF 2137.5		Final SF 2137.5	

Panel #	Roll #	Panel #	Roll #	Panel #	Roll #
167	80003				
AVG Length 135	Lineal Feet Trench	AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench
Final SF 3037.5		Final SF		Final SF	

Panel #	Roll #	Panel #	Roll #
AVG Length	Lineal Feet Trench	AVG Length	Lineal Feet Trench
Final SF		Final SF	

Total Initial SF This Page	SF
Total Final SF This Page	SF
Anchor Trench	
Total Linear Feet In Trench	LF
X	
Depth and Width Allowed in Trench	LF
= Total SF in Trench	SF
Total Pay Area This Page	9450 SF
Total Previous Pages	~~380880.25 SF~~ 371920.25 SF
Total Pay Area to Date	~~390148.25 SF~~ 381370.25 SF

Global Containment Solutions, LLC

Deployment Date 8/31/2022 **Daily Panel Placement**
Project Name: "Xcel sherco cell 4" **Job #** 22-05-1081 **Supt:** Danny Thongdarong
Material: 60 mil texture **Pond** **Cell** x **Cap** **Other:**

Panel #	168	Roll #	80006
22.5			
132		132	
22.5			
AVG Length	132	Lineal Feet Trench	
Final SF	2970		

Panel #	169	Roll #	80006
22.5			
132		132	
22.5			
AVG Length	132	Lineal Feet Trench	
Final SF	2970		

Panel #	170	Roll #	80006
22.5			
81		81	
22.5			
AVG Length	81	Lineal Feet Trench	
Final SF	1822.5		

Panel #	171	Roll #	80006
22.5			
28		28	
22.5			
AVG Length	28	Lineal Feet Trench	
Final SF	630		

Panel #	172	Roll #	80006
22.5			
26		26	
22.5			
AVG Length	26	Lineal Feet Trench	
Final SF	585		

Panel #	173	Roll #	80006
22.5			
24		24	
22.5			
AVG Length	24	Lineal Feet Trench	
Final SF	540		

Panel #	138	Roll #	80006
8/26/22			
22.5			
50		50	
22.5			
AVG Length	50	Lineal Feet Trench	
Final SF	1125		

Panel #	174	Roll #	80006
12			
50		50	
12			
AVG Length	50	Lineal Feet Trench	
Final SF	600		

Total Initial SF This Page		SF
Total Final SF This Page		SF
Anchor Trench		
Total Linear Feet In Trench		LF
X		
Depth and Width Allowed in Trench		LF
= Total SF in Trench		SF
Total Pay Area This Page	11242.5	SF
Total Previous Pages	~~406448.25 SF~~ 381370.25 SF	
Total Pay Area to Date	~~417690.75 SF~~ 392612.75 SF	

Panel Seaming Forms

Global Containment Solutions LLC

Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 **PSI**

Air Pressure Hold Time 5 **Minutes**

Allowable Air Pressure Loss 3 **PSI**

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/11/22	1 / 2	77	1:12 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	1:19 / 30	1:24 / 30		Pass
Seam Notes														
8/11/22	2 / 3	77	1:02 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	1:27 / 30	1:35 / 29	1	Pass
Seam Notes														
8/11/22	1 / 4	77	3:30 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	3:39 / 30	3:44 / 29	1	Pass
Seam Notes														
8/11/22	4 / 5	52	3:38 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	3:53 / 30	3:58 / 29	1	Pass
Seam Notes														
8/11/22	6 / 7	28	4:13 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	4:27 / 30	4:32 / 30		Pass
Seam Notes														
8/11/22	7 / 8	59	3:13 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	3 27 / 30	3 32 / 30		Pass
Seam Notes														
8/11/22	8 / 9	66	3:06 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	3 18 / 30	3 32 / 30		Pass
Seam Notes														
8/11/22	9 / 10	89	2:55 PM	Bounhack Inthirath	5007	7.5	860		8/11/22	Air Pressure	3 08 / 30	3 13 / 30		Pass
Seam Notes														
8/11/22	5 / 7	4	3:58 PM	Bounhack Inthirath	5007	5	860		8/11/22	Air Pressure	4 15 / 30	4 20 / 30		Pass
Seam Notes	airtest panel 5 through panel 10													

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/11/22	5 / 8	24	4:05 PM	Bounhack Inthirath	5007	5	860		8/11/22	Air Pressure	4 15 / 30	4 20 / 30		Pass
Seam Notes														
8/11/22	5 / 9	30	4:30 PM	Bounhack Inthirath	5007	5	860		8/11/22	Air Pressure	4 15 / 30	4 20 / 30		Pass
Seam Notes														
8/11/22	4 / 9	2	4:05 PM	Bounhack Inthirath	5007	5	860		8/11/22	Air Pressure	4 15 / 30	4 20 / 30		Pass
Seam Notes														
8/11/22	4 / 10	30	4:06 PM	Bounhack Inthirath	5007	5	860		8/11/22	Air Pressure	4 15 / 30	4 20 / 30		Pass
Seam Notes	Airtest P-5 thru P-10 Pie seam													
8/13/22	3 / 11	77	8:52 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	9 03 / 30	9 08 / 29	1	Pass
Seam Notes														
8/13/22	11 / 12	78	9:00 PM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	9 07 / 30	9 12 / 29	1	Pass
Seam Notes														
8/13/22	12 / 13	78	9:10 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	9 18 / 30	9 23 / 30		Pass
Seam Notes														
8/13/22	13 / 14	79	9:20 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	9 35 / 30	9 40 / 30		Pass
Seam Notes														
8/13/22	14 / 15	78	9:28 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	9 38 / 30	9 43 / 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/13/22	15 / 16	79	10:27 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	10 36 30	10 41 29	1	Pass
Seam Notes														
8/13/22	16 / 17	80	10:36 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	10 48 30	10 53 29	1	Pass
Seam Notes														
8/13/22	17 / 18	81	10:45 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	10 52 30	10 57 30		Pass
Seam Notes														
8/13/22	18 / 19	81	1:02 PM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	1 13 30	1 18 29	1	Pass
Seam Notes														
8/13/22	19 / 20	81	1:12 AM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	1 18 30	1 23 30		Pass
Seam Notes														
8/13/22	21 / 22	82	1:23 PM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	1 38 30	1 43 30		Pass
Seam Notes														
8/13/22	22 / 23	83	1:34 PM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	1 41 30	1 46 29	1	Pass
Seam Notes														
8/13/22	23 / 25	84	1:44 PM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	2 05 30	2 10 29	1	Pass
Seam Notes														
8/13/22	24 / 25	6	1:54 PM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	3 18 30	3 23 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/13/22	24 / 26	77	2:11 PM	Bounhack Inthirath	5007	7.5	860		8/13/22	Air Pressure	2 17 30	2 22 30		
Seam Notes														
8/13/22	25 / 26	22	2:12 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 17 30	3 22 30		
Seam Notes														
8/13/22	25 / N ext	22	2:05 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 00 30	3 05 30		
Seam Notes														
8/13/22	24 / N ext	22	3:04 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 42 30	3 47 30		
Seam Notes														
8/13/22	23 / N ext	22	3:07 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 40 30	3 45 30		
Seam Notes														
8/13/22	22 / N ext	22	3:11 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 38 30	3 45 30		
Seam Notes														
8/13/22	21 / N ext	22	3:13 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 36 30	3 41	30	
Seam Notes														
8/13/22	20 / N ext	22	3:15 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 32 30	3 37 30		
Seam Notes														
8/13/22	19 / N ext	22	3:18 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 34 30	3 39	30	
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/13/22	18 / N ext	22	3:23 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 40 30	3 45 28	2	Pass
Seam Notes														
8/13/22	17 / N ext	22	3:28 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 38 30	3 43 30		Pass
Seam Notes														
8/13/22	16 / N ext	22	3:31 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 57 30	4 02 30		Pass
Seam Notes														
8/13/22	15 / N ext	22	3:34 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 55 30	4 00 30		Pass
Seam Notes														
8/13/22	14 / N ext	22	3:34 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 53 30	3 58 30		Pass
Seam Notes														
8/13/22	13 / N ext	22	3:36 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	3 51 30	3 56 30		Pass
Seam Notes														
8/13/22	12 / N ext	22	3:39 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	4 05 30	4 10 29	1	Pass
Seam Notes														
8/13/22	11 / N ext	22	3:41 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	7 42 30	7 47 29	1	Pass
Seam Notes														
8/13/22	3 / N ext	22	3:44 PM	Bounhack Inthirath	5007	5	860		8/13/22	Air Pressure	7 53 30	7 58 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/13/22	5 / N ext	17	3:57 PM	Bounhack Inthirath	5007	5	860		8/15/22	Air Pressure	4 25 30	4 30 30		Pass
Seam Notes														
8/15/22	10 / 27	114	10:32 AM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	10 51 30	10 56 30		Pass
Seam Notes														
8/15/22	27 / 28	114	10:52 AM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	11 04 30	11 09 30		Pass
Seam Notes														
8/15/22	28 / 29	112	11:06 AM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	11 21 30	11 26 30		Pass
Seam Notes														
8/15/22	29 / 30	108	11:25 AM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	11 37 30	11 42 30		Pass
Seam Notes														
8/15/22	30 / 31	101	2:37 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	2 51 30	2 56 29	1	Pass
Seam Notes														
8/15/22	31 / 32	95	2:51 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	3 03 30	3 08 29	1	Pass
Seam Notes														
8/15/22	32 / 33	93	3:09 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	3 20 30	3 25 30		Pass
Seam Notes														
8/15/22	33 / 34	89	3:22 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	3 37 30	3 42 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/15/22	34 / 35	75	3:35 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	3 43 / 30	3 48 / 30		Pass
Seam Notes														
8/15/22	35 / 36	45	3:50 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	3 55 / 30	4 00 / 30		Pass
Seam Notes														
8/15/22	36 / 37	20	4:00 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	4 00 / 30	4 05 / 30		Pass
Seam Notes														
8/15/22	37 / 38	21	4:55 PM	Patrisk Sengthavon	5009	5	860		8/15/22	Air Pressure	7 13 / 30	7 18 / 29	1	Pass
Seam Notes														
8/15/22	38 / 39	20	4:07 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	4 13 / 30	4 18 / 29	1	Pass
Seam Notes														
8/15/22	39 / 40	44	4:20 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	4 27 / 30	4 32 / 30		Pass
Seam Notes														
8/15/22	40 / 41	76	4:30 PM	Patrisk Sengthavon	5009	7.5	860		8/15/22	Air Pressure	4 38 / 30	4 43 / 29	1	Pass
Seam Notes														
8/15/22	36 / 39	26	5:10 PM	Patrisk Sengthavon	5009	5	860		8/15/22	Air Pressure	7 15 / 30	7 20 / 30		Pass
Seam Notes														
8/15/22	35 / 40	28	5:05 PM	Patrisk Sengthavon	5009	5	860		8/15/22	Air Pressure	7 17 / 30	7 22 / 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/15/22	34 / 40	6	5:00 PM	Patrisk Sengthavon	5009	5	860		8/15/22	Air Pressure	7 20 / 30	7 25 / 30		Pass
Seam Notes														
8/16/22	41 / 42	84	10:06 AM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	10 16 / 30	10 21 / 30		Pass
Seam Notes														
8/16/22	42 / 43	84	10:14 AM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	10 26 / 30	10 31 / 30		Pass
Seam Notes														
8/16/22	43 / 44	84	10:30 AM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	10 40 / 30	10 45 / 30		Pass
Seam Notes														
8/16/22	45 / 46	84	10:50 AM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	11 09 / 30	11 14 / 30		Pass
Seam Notes														
8/16/22	46 / 47	84	11:02 AM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	11 19 / 30	11 24 / 29	1	Pass
Seam Notes														
8/16/22	47 / 48	84	1:10 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	1 18 / 30	1 23 / 30		Pass
Seam Notes														
8/16/22	48 / 49	84	1:20 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	1 28 / 30	1 33 / 29	1	Pass
Seam Notes														
8/16/22	49 / 50	84	1:30 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	1 39 / 30	1 44 / 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/16/22	50 / 51	84	1:44 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	1 57 30	2 02 30		Pass
Seam Notes														
8/16/22	51 / 52	84	1:53 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	2 01 30	2 06 28	2	Pass
Seam Notes														
8/16/22	52 / 53	84	2:05 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	2 12 30	2 17 29	1	Pass
Seam Notes														
8/16/22	53 / 54	84	2:20 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	2 28 30	2 33 30		Pass
Seam Notes														
8/16/22	54 / 55	84	2:33 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	2 41 30	2 46 30		Pass
Seam Notes														
8/16/22	55 / 56	84	2:44 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	2 52 30	2 57 30		Pass
Seam Notes														
8/16/22	56 / 57	84	3:12 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	3 25 30	3 30 30		Pass
Seam Notes														
8/16/22	57 / 58	84	3:20 PM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	3 34 30	3 39 30		Pass
Seam Notes														
8/17/22	59 / 60	472	10:05 AM	Patrisk Sengthavon	5007	7.5	860		8/17/22	Air Pressure	10 46 30	10 51 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/17/22	60 / 61	472	1:24 PM	Patrisk Sengthavon	5007	7.5	860		8/17/22	Air Pressure	3 40 30	3 45 30		Pass
Seam Notes														
8/17/22	61 / 62	472	2:06 PM	Patrisk Sengthavon	5007	7.5	860		8/17/22	Air Pressure	3 45 30	3 50 30		Pass
Seam Notes														
8/17/22	62 / 63	472	2:45 PM	Patrisk Sengthavon	5007	7.5	860		8/17/22	Air Pressure	3 55 30	4 00 29	1	Pass
Seam Notes														
8/17/22	63 / 64	472	3:30 PM	Patrisk Sengthavon	5007	7.5	860		8/17/22	Air Pressure	4 40 30	4 45 29	1	Pass
Seam Notes														
8/17/22	64 / 65	472	4:09 PM	Patrisk Sengthavon	5007	7.5	860		8/17/22	Air Pressure	4 46 30	4 51 30		Pass
Seam Notes														
8/16/22	44 / 45	84	10:40 AM	Patrisk Sengthavon	5007	7.5	860		8/16/22	Air Pressure	10 50 30	10 55 30		Pass
Seam Notes														
8/17/22	1 / 59	22	11:20 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	2 57 30	3 02 30		Pass
Seam Notes														
8/17/22	2 / 59	22	11:22 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	2 59 30	3 04 30		Pass
Seam Notes														
8/17/22	3 / 59	22	11:24 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	3 00 30	3 05 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/17/22	11 / 59	22	11:26 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 40 / 30	1 45 / 30		Pass
Seam Notes														
8/17/22	12 / 59	22	11:28 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 35 / 30	1 40 / 30		Pass
Seam Notes														
8/17/22	13 / 59	22	11:30 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 30 / 30	1 35 / 30		Pass
Seam Notes														
8/17/22	14 / 59	22	11:32 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 / 30	1 30 / 30		Pass
Seam Notes	Air test p.14-59. to p 26-59 pie seam													
8/17/22	15 / 59	22	11:34 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 / 30	1 30 / 30		Pass
Seam Notes														
8/17/22	16 / 59	22	11:38 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 / 30	1 30 / 30		Pass
Seam Notes														
8/17/22	17 / 59	22	11:40 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 / 30	1 30 / 30		Pass
Seam Notes														
8/17/22	18 / 59	22	11:42 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 / 30	1 30 / 30		Pass
Seam Notes														
8/17/22	19 / 59	22	11:44 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 / 30	1 30 / 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/17/22	20 / 59	22	11:46 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 30	1 30 30		Pass
Seam Notes														
8/17/22	21 / 59	22	11:48 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 30	1 30 30		Pass
Seam Notes														
8/17/22	22 / 59	22	11:50 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 30	1 30 30		Pass
Seam Notes														
8/17/22	23 / 59	22	11:52 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 30	1 30 30		Pass
Seam Notes														
8/17/22	24 / 59	22	11:54 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 30	1 30 30		Pass
Seam Notes														
8/17/22	26 / 59	22	11:56 AM	Patrisk Sengthavon	5007	6.5	860		8/17/22	Air Pressure	1 25 30	1 30 30		Pass
Seam Notes														
8/18/22	27 / 59	22	7:50 AM	Patrisk Sengthavon	5007	6.5	860		8/20/22	Air Pressure	9 04 30	9 09 30		Pass
Seam Notes	Air test p27-59 to p-33to 65 pie seam													
8/18/22	28 / 60	22	7:52 AM	Patrisk Sengthavon	5007	6.5	860		8/20/22	Air Pressure	9 04 30	9 09 30		Pass
Seam Notes														
8/18/22	29 / 61	22	7:54 AM	Patrisk Sengthavon	5007	6.5	860		8/20/22	Air Pressure	9 04 30	9 09 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 **PSI**

Air Pressure Hold Time 5 **Minutes**

Allowable Air Pressure Loss 3 **PSI**

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/18/22	30 / 62	22	7:56 AM	Patrisk Sengthavon	5007	6.5	860		8/20/22	Air Pressure	9 04 30	9 09 30		Pass
Seam Notes														
8/18/22	31 / 63	22	7:58 AM	Patrisk Sengthavon	5007	6.5	860		8/20/22	Air Pressure	9 04 30	9 09 30		Pass
Seam Notes														
8/18/22	32 / 64	22	8:00 AM	Patrisk Sengthavon	5007	6.5	860		8/20/22	Air Pressure	9 04 30	9 09 30		Pass
Seam Notes														
8/18/22	33 / 65	22	8:02 AM	Patrisk Sengthavon	5007	6.5	860		8/20/22	Air Pressure	9 04 30	9 09 30		Pass
Seam Notes														
8/15/22	4 / N ext	22	3:55 PM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	7 56 30	8 01 30		Pass
Seam Notes														
8/20/22	34 / 66	15	11:38 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	11 45 30	11 50 29	1	Pass
Seam Notes	Air test p34-66 to p41.-p66 pie seam													
8/20/22	58 / 66	22	10:47 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	57 / 66	22	10:50 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/20/22	56 / 66	22	10:52 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	55 / 66	22	10:54 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	54 / 66	22	10:56 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	53 / 66	22	10:58 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	52 / 66	22	11:00 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	51 / 66	22	11:02 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	50 / 66	22	11:04 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														
8/20/22	49 / 66	22	11:06 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.		Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/20/22	48	66	22	11:08 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	47	66	22	11:10 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	46	66	22	11:12 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	45	66	22	11:14 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	44	66	22	11:16 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	43	66	22	11:18 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	42	66	22	11:20 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	41	66	22	11:22 AM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	12 02 30	12 07 30		Pass
Seam Notes															
8/20/22	25	67	5	5:21 PM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	7 27 30	7 32 30		Pass
Seam Notes															

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/20/22	26 / 67	76	5:22 PM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	7 25 / 30	7 30 / 30		Pass
Seam Notes														
8/20/22	67 / 68	81	2:20 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	2 37 / 30	2 42 / 30		Pass
Seam Notes														
8/20/22	68 / 69	81	2:30 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	3 41 / 30	3 46 / 30		Pass
Seam Notes														
8/20/22	69 / 70	81	2:45 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	3 02 / 30	3 07 / 30		Pass
Seam Notes														
8/20/22	70 / 71	81	2:55 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	3 05 / 30	3 10 / 30		Pass
Seam Notes														
8/20/22	71 / 72	81	3:10 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	3 20 / 30	3 25 / 30		Pass
Seam Notes														
8/20/22	72 / 73	81	3:25 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	3 37 / 30	3 42 / 28	2	Pass
Seam Notes														
8/20/22	73 / 74	81	4:00 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	4 25 / 30	4 30 / 30		Pass
Seam Notes														
8/20/22	74 / 75	81	4:15 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	4 27 / 30	4 32 / 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/20/22	75 / 76	81	4:29 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	4 40 30	4 45 29	1	Pass
Seam Notes														
8/20/22	77 / 78	22	4:55 PM	Patrisk Sengthavon	5007	5	860		8/20/22	Air Pressure	5 07 30	5 12 29	1	Pass
Seam Notes														
8/20/22	76 / 78	14	5:00 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	5 10 30	5 15 30		Pass
Seam Notes														
8/20/22	76 / 77	67	4:45 PM	Patrisk Sengthavon	5007	7	860		8/20/22	Air Pressure	5 12 30	5 17 30		Pass
Seam Notes														
8/20/22	59 / 67	22	8:20 AM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	7 27 30	7 32 30		Pass
Seam Notes														
8/20/22	59 / 68	22	8:22 AM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	7 33 30	7 38 30		Pass
Seam Notes														
8/26/22	59 / 69	13	8:30 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 30	8 31 29	1	Pass
Seam Notes														
8/22/22	77 / 79	72	1:26 PM	Patrisk Sengthavon	5007	7	860		8/26/22	Air Pressure	5 00 30	5 05 30		Pass
Seam Notes														
8/22/22	78 / 79	15	1:25 PM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	1 55 30	2 00 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/22/22	79 / 80	70	1:35 PM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	1 50 / 30	1 55 / 30		Pass
Seam Notes														
8/22/22	80 / 81	46	1:45 PM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	2 05 / 30	2 10 / 30		Pass
Seam Notes														
8/22/22	81 / 82	25	1:50 PM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	2 10 / 30	2 15 / 30		Pass
Seam Notes														
8/22/22	82 / 83	22	1:05 PM	Patrisk Sengthavon	5007	5	860		8/22/22	Air Pressure	2 13 / 30	2 18 / 29	1	Pass
Seam Notes														
8/22/22	83 / 84	45	2:00 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	2 15 / 30	2 20 / 30		Pass
Seam Notes														
8/22/22	84 / 85	67	2:12 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	2 24 / 30	2 29 / 29	1	Pass
Seam Notes														
8/22/22	85 / 86	89	2:38 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	2 50 / 30	2 55 / 30		Pass
Seam Notes														
8/22/22	79 / 85	27	2:55 PM	Patrisk Sengthavon	5007	5	860		8/22/22	Air Pressure	2 18 / 30	2 23 / 30		Pass
Seam Notes														
8/22/22	80 / 84	31	2:57 PM	Patrisk Sengthavon	5007	5	860		8/22/22	Air Pressure	2 17 / 30	2 22 / 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/22/22	81 / 83	31	2:59 PM	Patrisk Sengthavon	5007	5	860		8/22/22	Air Pressure	2 14 30	2 19 30		Pass
Seam Notes														
8/22/22	86 / 87	89	3:16 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	2 36 30	2 41 30		Pass
Seam Notes														
8/22/22	87 / 88	96	3:27 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	3 40 30	3 45 30		Pass
Seam Notes														
8/22/22	88 / 89	73	3:38 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	7 35 30	7 40 30		Pass
Seam Notes														
8/22/22	89 / 90	53	4:20 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	7 31 30	7 36 29	1	Pass
Seam Notes														
8/23/22	90 / 91	27	8:15 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	8 30 30	8 35 30		Pass
Seam Notes														
8/23/22	89 / 92	30	8:13 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	8 32 30	8 37 30		Pass
Seam Notes														
8/23/22	88 / 92	4	8:12 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	8 34 30	8 39 30		Pass
Seam Notes														
8/23/22	88 / 93	26	8:10 AM	Patrisk Sengthavon	5007	5	860		8/22/22	Air Pressure	8 36 30	8 41 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/22/22	91 / 92	35	4:33 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	7 30 30	7 35 30		Pass
Seam Notes														
8/22/22	92 / 93	63	4:40 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	5 45 30	5 50 30		Pass
Seam Notes														
8/22/22	93 / 94	80	4:52 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	5 46 30	5 51 29	1	Pass
Seam Notes														
8/22/22	94 / 95	81	5:20 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	3 50 30	3 55 30		Pass
Seam Notes														
8/22/22	95 / 96	82	5:32 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	3 52 30	3 57 30		Pass
Seam Notes														
8/22/22	96 / 97	83	5:40 PM	Patrisk Sengthavon	5007	7	860		8/22/22	Air Pressure	6 00 30	6 05 29	1	Pass
Seam Notes														
8/22/22	97 / 98	84	5:50 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	6 02 30	6 07 29	1	Pass
Seam Notes														
8/22/22	98 / 99	84	6:02 PM	Patrisk Sengthavon	5007	7.5	860		8/22/22	Air Pressure	6 08 30	6 13 29	1	Pass
Seam Notes														
8/23/22	99 / E/ext	65	9:25 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	9 35 30	9 40 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/23/22	99 / N/ext	22	10:00 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	10 32 / 30	10 37 / 30		Pass
Seam Notes	Air test p99/N/ext to 99/N/ext pie seam													
8/23/22	98 / N/ext	22	10:02 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	10 32 / 30	10 37 / 30		Pass
Seam Notes														
8/23/22	97 / N/ext	22	10:04 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	10 32 / 30	10 37 / 30		Pass
Seam Notes														
8/23/22	96 / N/ext	22	10:06 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	10 32 / 30	10 37 / 30		Pass
Seam Notes														
8/23/22	95 / N/ext	22	10:08 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	10 32 / 30	10 37 / 30		Pass
Seam Notes														
8/23/22	94 / N/ext	22	10:40 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	10 32 / 30	10 37 / 30		Pass
Seam Notes														
8/23/22	87 / E/ext	22	10:42 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	11 00 / 30	11 05 / 30		Pass
Seam Notes	Air test p86/E/ext to p82/E/ext pie seam													
8/23/22	86 / E/ext	22	10:44 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	11 00 / 30	11 05 / 30		Pass
Seam Notes														
8/23/22	85 / E/ext	22	10:46 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	11 00 / 30	11 05 / 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/23/22	84 E/ext	22	10:48 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	11 00 30	11 05 30		Pass
Seam Notes														
8/23/22	83 E/ext	22	10:50 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	11 00 30	11 05 30		Pass
Seam Notes														
8/23/22	82 E/ext	22	10:52 AM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	11 00 30	11 05 30		Pass
Seam Notes														
8/23/22	82 N/ext	22	1:25 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	1 50 30	1 55 30		Pass
Seam Notes														
8/23/22	81 N/ext	22	1:27 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	1 50 30	1 55 30		Pass
Seam Notes														
8/23/22	80 N/ext	22	1:29 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	1 50 30	1 55 30		Pass
Seam Notes														
8/23/22	79 N/ext	22	1:32 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	1 50 30	1 55 30		Pass
Seam Notes														
8/23/22	78 N/ext	22	1:37 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	1 50 30	1 55 30		Pass
Seam Notes														
8/23/22	76 N/ext	22	1:39 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	1 50 30	1 55 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/23/22	75 / N/ext	22	1:42 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	1 50 30	1 55 30		Pass
Seam Notes														
8/23/22	74 / N/ext	22	1:45 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes	Airvtest p74-N/ext to p67/N/ext pie seam													
8/23/22	73 / N/ext	22	1:48 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes														
8/23/22	72 / N/ext	22	1:51 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes														
8/23/22	71 / N/ext	22	1:54 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes														
8/23/22	70 / N/ext	22	2:00 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes														
8/23/22	69 / N/ext	22	2:03 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes														
8/23/22	68 / N/ext	22	2:06 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In / PSI IN	AT Time Out / PSI OUT	PSI Loss	Test Results
8/23/22	67 / N/ext	22	2:08 PM	Patrisk Sengthavon	5007	5	860		8/23/22	Air Pressure	2 12 / 30	2 17 / 30		Pass
Seam Notes														
8/23/22	58 / 100	83	2:45 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	2 58 / 30	3 03 / 29	1	Pass
Seam Notes														
8/23/22	100 / 101	83	3:00 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	3 09 / 30	3 14 / 29	1	Pass
Seam Notes														
8/23/22	101 / 102	83	3:15 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	3 25 / 30	3 30 / 30		Pass
Seam Notes														
8/23/22	102 / 103	84	3:30 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	3 40 / 30	3 45 / 30		Pass
Seam Notes														
8/23/22	103 / 104	84	3:45 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	3 57 / 30	4 02 / 30		Pass
Seam Notes														
8/23/22	104 / 105	84	4:00 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	4 12 / 30	4 17 / 30		Pass
Seam Notes														
8/23/22	105 / 106	16	5:40 PM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	7 20 / 30	7 25 / 30		Pass
Seam Notes														
8/23/22	106 / 107	16	5:58 PM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	7 19 / 30	7 24 / 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/23/22	107 / 108	62	5:10 PM	Patrisk Sengthavon	5007	7.5	860		8/23/22	Air Pressure	5 25 30	5 30 30		Pass
Seam Notes														
8/23/22	108 / 109	62	5:33 PM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	7 39 30	7 44 29	1	Pass
Seam Notes														
8/23/22	109 / 110	80	6:05 PM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	7 25 30	7 30 30		Pass
Seam Notes														
8/23/22	105 / 107	67	6:00 PM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	7 22 30	7 27 29	1	Pass
Seam Notes														
8/23/22	107 / 109	20	5:30 PM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	4 27 30	4 32 30		Pass
Seam Notes														
8/23/22	66 / 100	22	4:25 PM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	4 29 30	4 34 30		Pass
Seam Notes														
8/23/22	66 / 101	22	4:23 PM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	4 30 30	4 35 30		Pass
Seam Notes														
8/23/22	66 / 102	5	4:20 PM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	10 17 30	10 22 29	1	Pass
Seam Notes														
8/24/22	110 / 111	80	9:08 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	10 19 30	10 24 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/24/22	111 / 112	80	9:16 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	10 20 30	10 25 30		Pass
Seam Notes														
8/24/22	112 / 113	80	9:30 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	10 22 30	10 27 30		Pass
Seam Notes														
8/24/22	113 / 114	80	9:36 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	10 29 30	10 34 30		Pass
Seam Notes														
8/24/22	114 / 115	80	9:47 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	1 05 30	1 10 30		Pass
Seam Notes														
8/24/22	115 / 116	80	10:55 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	1 06 30	1 11 29	1	Pass
Seam Notes														
8/24/22	116 / 117	80	11:05 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	1 07 30	1 12 29	1	Pass
Seam Notes														
8/24/22	117 / 118	80	11:20 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	1 08 30	1 13 30		Pass
Seam Notes														
8/24/22	118 / 119	22	11:50 AM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	1 30 30	1 35 29	1	Pass
Seam Notes														
8/24/22	118 / 120	65	11:44 AM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	1 42 30	1 47 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 **PSI**

Air Pressure Hold Time 5 **Minutes**

Allowable Air Pressure Loss 3 **PSI**

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/24/22	119 / 120	22	11:35 AM	Patrisk Sengthavon	5007	5	860		8/24/22	Air Pressure	1 35 30	1 40 29	1	Pass
Seam Notes														
8/24/22	120 / 121	86	2:58 PM	Patrisk Sengthavon	5007	7,5	860		8/25/22	Air Pressure	4 20 30	4 25 30		Pass
Seam Notes														
8/24/22	121 / 122	86	3:07 PM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	4 22 30	4 27 30		Pass
Seam Notes														
8/24/22	122 / 123	86	3:18 PM	Patrisk Sengthavon	5007	7.5	860		8/25/22	Air Pressure	4 25 30	4 30 30		Pass
Seam Notes														
8/24/22	123 / 124	86	3:28 PM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	4 27 30	4 32 30		Pass
Seam Notes														
8/24/22	124 / 125	86	3:40 PM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	4 40 30	4 45 29	1	Pass
Seam Notes														
8/24/22	125 / 126	86	3:53 PM	Patrisk Sengthavon	5007	7.5	860		8/24/22	Air Pressure	4 45 30	4 50 29	1	Pass
Seam Notes														
8/13/22	1 / N/ext	22	3:52 PM	Patrisk Sengthavon	5007	5	860		8/15/22	Air Pressure	7 34 30	7 39 30		Pass
Seam Notes														
8/13/22	2 / N/ext	22	3:49 PM	Patrisk Sengthavon	5007	5	860		8/15/22	Air Pressure	7 50 30	7 55 30		Pass

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/16/22	61 / 62	20	2:06 PM	Patrisk Sengthavon	5007	7.5	860		8/17/22	Air Pressure	3 43 30	3 48 30		Pass
Seam Notes														
8/25/22	59 / 60	135	10:15 AM	Mohamed Mohamed	5007	7.5	860		8/25/22	Air Pressure	1 26 30	1 31 30		Pass
Seam Notes														
8/25/22	60 / 61	135	10:31 AM	Patrisk Sengthavon	5007	7.5	860		8/25/22	Air Pressure	1 13 30	1 18 29	1	Pass
Seam Notes														
8/25/22	61 / 62	138	10:51 AM	Patrisk Sengthavon	5007	7.5	860		8/25/22	Air Pressure	1 11 30	1 16 30		Pass
Seam Notes														
8/25/22	62 / 63	133	11:10 AM	Patrisk Sengthavon	5007	7.5	860		8/25/22	Air Pressure	2 53 30	2 58 30		Pass
Seam Notes														
8/25/22	63 / 64	135	11:25 AM	Patrisk Sengthavon	5007	7.5	860		8/25/22	Air Pressure	12 55 30	1 00 30		Pass
Seam Notes														
8/25/22	64 / 65	134	11:45 AM	Patrisk Sengthavon	5007	7.5	860		8/25/22	Air Pressure	2 50 30	2 55 29	1	Pass
Seam Notes														
8/25/22	65 / 66	135	1:12 PM	Patrisk Sengthavon	5007	7.5	860		8/25/22	Air Pressure	2 28 30	2 33 30		Pass
Seam Notes														
8/25/22	59 / 127	22	5:40 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	5 50 30	5 55 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/25/22	60 / 128	22	5:42 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	5 56 30	6 01 29	1	Pass
Seam Notes														
8/25/22	61 / 129	22	5:43 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	8 10 30	8 15 30		Pass
Seam Notes														
8/25/22	62 / 130	22	5:46 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	8 12 30	8 17 29	1	Pass
Seam Notes														
8/25/22	63 / 131	22	5:50 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	8 15 30	8 20 30		Pass
Seam Notes														
8/25/22	64 / 132	22	5:55 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	8 17 30	8 22 29	1	Pass
Seam Notes														
8/25/22	65 / 133	22	5:58 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	8 25 30	8 30 30		Pass
Seam Notes														
8/25/22	66 / 134	9	6:00 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure				Fail
Seam Notes	Air test fail													
8/25/22	66 / 135	9	5:25 PM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure				Fail
Seam Notes	Air test fail													
8/25/22	107 / 135	11	11:20 AM	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	12 45 30	12 50 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/25/22	127 / 128	65	1:31 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	1 42 30	1 47 29	1	Pass
Seam Notes														
8/25/22	128 / 129	65	1:43 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	1 53 30	1 58 30		Pass
Seam Notes														
8/25/22	129 / 130	58	1:55 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	2 06 30	2 11 29	1	Pass
Seam Notes														
8/25/22	130 / 131	53	2:05 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	2 12 30	2 17 30		Pass
Seam Notes														
8/25/22	131 / 132	53	2:15 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	2 25 30	2 30 29	1	Pass
Seam Notes														
8/25/22	132 / 133	88	4:20 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	2 29 30	2 34 30		Pass
Seam Notes														
8/25/22	133 / 134	200	4:25 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	4 35 30	4 40 28	2	Pass
Seam Notes														
8/25/22	133 / 134	25	4:31 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	4 42 30	4 47 30		Pass
Seam Notes														
8/25/22	133 / 134	15	4:34 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	4 58 30	5 03 30		Pass
Seam Notes														
8/25/22	134 / 135	220	5:05 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	5 10 30	5 15 29	1	Pass
Seam Notes														
8/25/22	134 / 135	20	5:06 PM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	5 26 30	5 31 29	1	Pass
Seam Notes														
8/26/22	66 / 66	9	11:45 AM	Patrisk Sengthavon	5007	7.5	860		8/26/22	Air Pressure	12 45 30	12 50 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.		Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/26/22	66	102	17	11:41 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	12 40 30	12 45 29	1	Pass
Seam Notes	Airvtest p66/102 to p66/107 pie seam														
8/26/22	66	103	22	11:39 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	12 40 30	12 45 29	1	Pass
Seam Notes															
8/26/22	66	104	22	11:36 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	12 40 30	12 45 29	1	Pass
Seam Notes															
8/26/22	66	105	22	11:33 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	12 40 30	12 45 29	1	Pass
Seam Notes															
8/26/22	66	106	5	11:30 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	12 40 30	12 45 29	1	Pass
Seam Notes															
8/26/22	66	107	22	11:25 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	12 40 30	12 45 29	1	Pass
Seam Notes															
8/26/22	59	69	7	8:29 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 15 30	9 20 30		Pass
Seam Notes															
8/26/22	59	69	13	8:30 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 30	8 31 29	1	Pass
Seam Notes	Air test p59/69 top77/127 pie seam														
8/26/22	59	70	22	8:31 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 30	8 31 29	1	Pass
Seam Notes															
8/26/22	59	71	22	8:33 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 30	8 31 29	1	Pass
Seam Notes															
8/26/22	59	72	22	8:34 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 30	8 31 29	1	Pass
Seam Notes															
8/26/22	59	73	22	8:36 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 30	8 31 29	1	Pass
Seam Notes															

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.		Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/26/22	59	74	22	8:38 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 / 30	8 31 / 29	1	Pass
Seam Notes															
8/26/22	75	127	22	8:40 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 / 30	8 31 / 29	1	Pass
Seam Notes															
8/26/22	76	127	22	8:43 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 / 30	8 31 / 29	1	Pass
Seam Notes															
8/26/22	77	127	22	8:45 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	8 26 / 30	8 31 / 29	1	Pass
Seam Notes															
8/26/22	85	127	3	9:15 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes	Air test p85/127 thru p90/131 pie seam														
8/26/22	86	127	22	9:16 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes															
8/26/22	86	128	3	9:17 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes															
826/22	87	128	19	9:19 AM	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes															
8/26/22	87	129	3	9:21	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes															
8/26/22	88	130	19	9:23	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes															
8/26/22	88	131	3	9:25	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes															
8/26/22	89	131	18	9:27	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes															

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny | **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 Total LF of Welding to Date Combined **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** 14,778

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/26/22	89 / 131	2	9:29	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes														
8/26/22	90 / 131	24	2:44	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	9 33 / 30	9 38 / 29	1	Pass
Seam Notes														
8/26/22	90 / 132	29	2:46	Patrisk Sengthavon	5007	5	860		8/25/22	Air Pressure	8 25 / 30	8 30 / 30		Pass
Seam Notes														
8/26/22	91 / 132	18	9:50	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 34 / 30	11 39 / 30		Pass
Seam Notes														
8/26/22	91 / 133	19	10:51	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes	Air test P91/133 thru p99/133 pie seam													
8/26/22	92 / 133	22	10:49	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes														
8/26/22	93 / 133	22	10:46	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes														
8/26/22	94 / 133	22	10:43	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes														
8/26/22	95 / 133	22	10:40	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes														
8/26/22	96 / 133	22	10:37	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes														
8/26/22	97 / 133	22	10:35	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes														
8/26/22	98 / 133	22	10:32	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 / 30	11 40 / 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/26/22	99 / 133	23	10:28	Patrisk Sengthavon	5007	5	860		8/26/22	Air Pressure	11 35 30	11 40 29	1	Pass
Seam Notes														
8/26/22	135 / 136	248	1:15	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	3 30 30	3 35 29	1	Pass
Seam Notes														
8/26/22	135 / 137	78	1:42	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	3 28 30	3 33 29	1	Pass
Seam Notes														
8/26/22	136 / 137	22	1:38	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 03 30	8 08 30		Pass
Seam Notes														
8/26/22	137 / 138	11	1:50 PM	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	9 27 30	9 32 30		Pass
Seam Notes														
8/26/22	136 / 139	226	2:00	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	7 50 30	7 55 29	1	Pass
Seam Notes														
8/26/22	137 / 139	78	2:20	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 00 30	8 05 30		Pass
Seam Notes	Air test p137/139 thru p138/139 pie seam													
9/26/22	138 / 139	37	2:25	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 00 30	8 05 30		Pass
Seam Notes														
9/26/22	139 / 140	162	2:32	Patrisk Sengthavon	5007	7.5	860		8/2/22	Air Pressure	8 15 30	8 20 30		Pass
Seam Notes														
9/26/22	139 / 141	150	2:53 PM	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 20 30	8 25 30		pass
Seam Notes														
8/26/22	140 / 141		2:50	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 18 30	8 23 30		Pass
Seam Notes														
8/26/22	140 / 142		3:18	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 32 30	8 37 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny | **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 Total LF of Welding to Date Combined **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** 14,778

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/26/22	141 / 142		3:25	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 30 30	8 35 29	1	Pass
Seam Notes														
8/26/22	142 / 143		3:44	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 53 30	8 58 29	1	Pass
Seam Notes														
8/26/22	142 / 144		3:50	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 50 30	8 55 30		Pass
Seam Notes														
8/26/22	143 / 144		3:06	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	8 52 30	8 57 30		Pass
Seam Notes														
8/26/22	143 / 145	35	4:07 PM	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	9 20 30	9 25 30		Pass
Seam Notes														
8/26/22	143 / 146		4:09	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	9 15 30	9 20 29	1	Pass
Seam Notes														
8/26/22	144 / 147		4:12	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	9 10 30	9 15 30		Pass
Seam Notes														
8/26/22	145 / 146	10	3:14	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	9 21 30	9 26 30		Pass
Seam Notes														
8/26/22	146 / 147	8	3:15	Patrisk Sengthavon	5007	7.5	860		8/27/22	Air Pressure	9 11 30	9 26 29	1	Pass
Seam Notes														
8/26/22	136 / 108	10	4:53	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes	Air test p136 /108 thru p142 /145 pie seam													
8/26/22	136 / 109	22	4:55	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	139 / 110	22	4:57	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny | **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/26/22	139 / 111	17	5:00	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	140 / 111	5	5:03	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	140 / 112	23	5:04	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	140 / 113	12	5:06	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	142 / 113	9	5:08	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	142 / 114	22	5:09	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	142 / 115	6	5:11	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 40 30	7 45 29	1	Pass
Seam Notes														
8/26/22	143 / 115	14	5:12	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure				fail
Seam Notes	Air test fail													
8/26/22	143 / 116	23	5:13	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 43 30	7 48 29	1	Pass
Seam Notes														
8/26/22	143 / 117	8	5:16	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes	Air test p 143 /117 thru p147/126 pie seam													
8/26/22	145 / 117	13	5:17	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	145 / 118	17	5:18	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/26/22	145 / 120	3	5:20	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	146 / 121	22	5:21	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	146 / 122	22	5:24	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	146 / 123	22	5:27	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	146 / 124	16	5:30	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	147 / 124	6	5:34	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	147 / 125	22	5:33	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/26/22	147 / 126	22	5:27	Patrisk Sengthavon	5007	5	860		8/27/22	Air Pressure	7 30 30	7 35 29	1	Pass
Seam Notes														
8/31/22	126 / 148	84	1:17 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	7 47 30	7 52 30		pass
Seam Notes														
8/31/22	148 / 149	84	1:32	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	7 45 30	7 50 30		Pass
Seam Notes														
8/31/22	149 / 150	79	1:46	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	7 42 30	7 47 29	1	Pass
Seam Notes														
8/31/22	150 / 151	59	1:58	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	7 40 30	7 45 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/31/22	151 / 152	39	2:10	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	7 38 30	7 43 30		Pass
Seam Notes														
8/31/22	152 / 153	17	2:20	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	7 37 30	7 42 30		Pass
Seam Notes														
8/31/22	153 / 154	24	5:54	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	7 35 30	7 40 29	1	Pass
Seam Notes														
8/31/22	154 / 155	48	2:43	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 13 30	8 18 29	1	Pass
Seam Notes														
8/31/22	154 / 156	35	2:45	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 17 30	8 22 30		Pass
Seam Notes														
8/31/22	155 / 156	22	2:27 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	8 16 30	8 21 30		Pass
Seam Notes														
8/31/22	155 / 157	50	2:53 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 20 30	9 25 30		Pass
Seam Notes														
8/31/22	155 / 158	21	2:57 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	8 22 30	8 27 29	1	Pass
Seam Notes														
8/31/22	156 / 158	35	3:00 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 24 30	8 29 30		Pass
Seam Notes														
8/31/22	157 / 159	73	3:26 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 17 30	9 22 29	1	Pass
Seam Notes														
8/31/22	158 / 159	9	3:30 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 06 30	9 11 29	1	Pass
Seam Notes														
8/31/22	158 / 160	24	3:32 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 33 30	8 38 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny | **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 Total LF of Welding to Date Combined **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** 14,778

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/31/22	158 / 161	24	3:34 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 30 30	8 35 30		Pass
Seam Notes														
8/31/22	159 / 160	22	3:07 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 50 30	8 55 30		Pass
Seam Notes														
8/31/22	160 / 161	22	3:15 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	8 32 30	8 37 30		Pass
Seam Notes														
8/31/22	159 / 162	94	3:46 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 05 30	9 10 29	1	Pass
Seam Notes														
8/31/22	159 / 163	7	3:52 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 52 30	8 57 30		Pass
Seam Notes														
8/31/22	160 / 163	24	3:54 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 35 30	8 40 30		Pass
Seam Notes														
8/31/22	161 / 163	24	3:56 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	8 34 30	8 39 29	1	Pass
Seam Notes														
8/31/22	162 / 163	14	3:40 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	8 55 30	9 00 30		Pass
Seam Notes														
8/31/22	162 / 164	92	4:05 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 26 30	9 31 30		Pass
Seam Notes														
8/31/22	164 / 165	92	4:20 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 32 30	9 37 30		Pass
Seam Notes														
8/31/22	165 / 166	92	4:45 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 35 30	9 40 30		Pass
Seam Notes														
8/31/22	166 / 167	92	5:10 PM	Patrisk Sengthavon	5007	7.5	860		8/31/22	Air Pressure	9 37 30	9 42 30		Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** [ ] **Pond** [ ]

Job Description: 22-05-1081 **Secondary** [ ] **Cell** [X]

Reported By danny **Cap** [ ]

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** [ ] **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/31/22	152 / 155	28	5:56 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	7 35 / 30	7 40 / 29	1	Pass
Seam Notes	Air test p152/155 thru p150/159 pie seam													
8/31/22	149 / 159	6	5:49 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	7 35 / 30	7 40 / 29	1	Pass
Seam Notes														
8/31/22	151 / 157	25	5:54 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	7 35 / 30	7 40 / 29	1	Pass
Seam Notes														
8/31/22	149 / 159	6	5:48 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	7 35 / 30	7 40 / 29	1	Pass
Seam Notes														
8/31/22	150 / 162	6	5:52 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	7 35 / 30	7 40 / 29	1	Pass
Seam Notes														
8/31/22	150 / 159	23	5:50 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	7 35 / 30	7 40 / 29	1	Pass
Seam Notes														
8/31/22	147 / 148	22	5:50 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 58 / 30	5 03 / 29	1	Pass
Seam Notes	Air test p147/148 thru p147/149 pie seam													
8/31/22	147 / 149	22	4:43 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 58 / 30	5 03 / 29	1	Pass
Seam Notes														
8/31/22	147 / 162	4	4:50 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 / 30	4 55 / 29	1	Pass
Seam Notes	Air test p147/162 thru p139/166 pie seam													
8/31/22	144 / 162	15	4:44 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 / 30	4 55 / 29	1	Pass
Seam Notes														
8/31/22	144 / 164	6	4:42 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 / 30	4 55 / 29	1	Pass
Seam Notes														
8/31/22	142 / 164	18	4:40 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 / 30	4 55 / 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
8/31/22	142 / 165	4	4:39 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 30	4 55 29	1	Pass
Seam Notes														
8/31/22	141 / 165	16	4:37 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 30	4 55 29	1	Pass
Seam Notes														
8/31/22	141 / 166	4	4:50 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 30	4 55 29	1	Pass
Seam Notes														
8/31/22	139 / 166	18	4:32 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 50 30	4 55 29	1	Pass
Seam Notes														
8/31/22	139 / 167	35	4:15 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	4 20 30	4 25 30		Pass
Seam Notes														
8/31/22	157 / 158	22	2:36 PM	Patrisk Sengthavon	5007	5	860		8/31/22	Air Pressure	9 15 30	9 20 30		Pass
Seam Notes														
9/1/22	139 / 167	4	3:55 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	5 38 30	5 43 29	1	Pass
Seam Notes	Air test p139/167 thru p137 /168 pie seam													
9/1/22	139 / 167	35	4:15 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	5 38 30	5 43 29	1	Pass
Seam Notes														
9/1/22	137 / 167	16	3:53 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	5 38 30	5 43 29	1	Pass
Seam Notes														
9/1/22	137 / 168	3	3:52 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	5 38 30	5 43 29	1	Pass
Seam Notes														
9/1/22	137 / 138	50	2:52 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	2 55 30	3 00 30		Pass
Seam Notes														
9/1/22	138 / 168	16	3:22 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	3 25 30	3 30 29	1	Pass
Seam Notes	Air test p138/168 thru p169/174 pie seam													

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond** | **Air Pressure Test** 30 PSI

Job Description: 22-05-1081 **Secondary** | **Cell** X | **Air Pressure Hold Time** 5 Minutes

Reported By danny **Cap** | **Allowable Air Pressure Loss** 3 PSI

Other

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
9/1/22	138 / 169	3	3:21 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	3 25 / 30	3 30 / 29	1	Pass
Seam Notes														
9/1/22	169 / 174	11	3:20 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	3 25 / 30	3 30 / 29	1	Pass
Seam Notes														
9/1/22	135 / 138	22	3:46 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	3 48 / 30	3 53 / 29	1	Pass
Seam Notes														
9/1/22	138 / 174	50	2:37 PM	Patrisk Sengthavon	5007	7.5	860		9/2/22	Air Pressure	2 45 / 30	2 50 / 30		Pass
Seam Notes														
9/1/22	174 / 133	22	3:44 PM	Patrisk Sengthavon	5007	7.5	860		9/2/22	Air Pressure	3 48 / 30	3 53 / 29	1	Pass
Seam Notes														
9/1/22	99 / 174	26	3:10 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	3 17 / 30	3 22 / 29	1	Pass
Seam Notes														
9/1/22	99 / 173	27	1:35 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	2 31 / 30	2 36 / 3p		Pass
Seam Notes														
9/1/22	173 / 174	22	3:08 PM	Patrisk Sengthavon	5007	7.5	860		9/2/22	Air Pressure	3 17 / 30	3 22 / 29	1	Pass
Seam Notes														
9/1/22	172 / 173	27	1:30 PM	Patrisk Sengthavon	5007	7.5	860		9/2/22	Air Pressure	2 30 / 30	2 35 / 30		Pass
Seam Notes														
9/1/22	171 / 172	23	1:42 PM	Patrisk Sengthavon	5007	7.5	860		9/2/22	Air Pressure	2 28 / 30	2 33 / 30		Pass
Seam Notes														
9/1/22	169 / 172	22	3:33 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	3 40 / 30	3 45 / 29	1	Pass
Seam Notes	Air test p169/172 thru p169/171 pie seam													
9/1/22	169 / 171	22	3:37 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	3 40 / 30	3 45 / 29	1	Pass
Seam Notes														

Global Containment Solutions LLC
Seam Control Form

Project Name: Xcel sherco cell 4 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60 Mil HDPE Texture /Smooth **Primary** | **Pond**

Job Description: 22-05-1081 **Secondary** | **Cell** X

Reported By danny **Cap**

Other

Air Pressure Test 30 PSI

Air Pressure Hold Time 5 Minutes

Allowable Air Pressure Loss 3 PSI

14,778 **Total LF of Welding to Date Combined** **Extrusion LF Weld Total To Date** **Fusion LF Weld Total To Date:** **14,778**

Weld Date	Seam No.	Seam Length	Time Welded	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp	Test Date	Test Type	AT Time In PSI IN	AT Time Out PSI OUT	PSI Loss	Test Results
9/1/22	170 / 171	22	1:50 PM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	2 27 30	2 32 30		Pass
Seam Notes														
9/1/22	169 / 170	81	1:55 PM	Patrisk Sengthavon	5007	7.5	860		9/2/22	Air Pressure	2 15 30	2 20 30		Pass
Seam Notes														
9/1/22	168 / 169	132	1:10 PM	Patrisk Sengthavon	5007	7.5	860		9/2/22	Air Pressure	2 20 30	2 25 3p		Pass
Seam Notes														
9/1/22	167 / 168	132	12:55 PM	Patrisk Sengthavon	5007	7.5	860		9/1/22	Air Pressure	2 22 30	2 27 29	1	Pass
Seam Notes														
9/2/22	170 / ext	75	7:45 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 35 30	8 40 30		Pass
Seam Notes														
9/2/22	171 / ext	16	8:18 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 34 30	8 39 29	1	Pass
Seam Notes														
9/2/22	172 / ext	16	8:20 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 38 30	8 43 29	1	Pass
Seam Notes														
9/2/22	173 / ext	16	8:23 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 40 30	 29	1	Pass
Seam Notes														
9/2/22	170 / ext	6	8:17 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 36 30	8 41 30		Pass
Seam Notes														
9/2/22	171 / ext	6	8:19 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 33 3p	8 38 29		Pass
Seam Notes														
9/2/22	172 / ext	6	8:21 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 37 30	8 42 29	1	Pass
Seam Notes														
9/2/22	173 / ext	6	8:24 AM	Patrisk Sengthavon	5007	5	860		9/2/22	Air Pressure	8 42 3p	8 47 29		Pass
Seam Notes														

Field Destructive Testing Forms

Global Containment Solutions LLC

Destructive Sample Information

Project Name: Xcel Sherco Cell 3 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond** **Peel Test Extrusion Minimum** **PPI**

Job Description: **Secondary** **Cell** X **Peel Test Fusion Minimum** 97 **PPI**

Reported By: Veomany Thongdarong **Cap** **Shear Test Minimum** 122 **PPI**

Other:

D.S. No.	Seam No.	Weld Date	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp		Coupon 1 A	Coupon 1 B	Coupon 2 A	Coupon 2 B	Coupon 3 A	Coupon 3 B	Coupon 4 A	Coupon 4 B	Coupon 5 A	Coupon 5 B	Test Results
DS1	5 / 8	8/5/22	Bounhack Inthirath	5007	5	860		Peel	108	122	109	108	108	131	127	104	102	132	pass
								Shear	132		127		130		128		122		
	DS Location and Notes																		
DS2	10 / 27	8/15/22	atrisk SENGTHAVOR	5009	7	860		Peel	107	121	107	131	135	100	108	130	97	126	pass
								Shear	136		132		137		133		139		
	DS Location and Notes																		
DS3	14 / 15	8/13/22	Bounhack Inthirath	5007	7.5	860		Peel	109	113	108	115	108	120	110	114	113	117	pass
								Shear	144		144		139		141		141		
	DS Location and Notes																		
DS4	19 / extie	8/13/22	Bounhack Inthirath	5007	5	860		Peel	133	142	127	130	117	131	119	135	148	137	pass
								Shear	142		132		148		139		146		
	DS Location and Notes																		
DS5	24 / 26	8/13/22	Bounhack Inthirath	5007	7.5	860		Peel	105	120	106	100	105	115	99	116	97	111	pass
								Shear	140		140		139		137		140		
	DS Location and Notes																		
DS6	34 / 35	8/15/22	atrisk SENGTHAVOR	5009	7	860		Peel	99	88	97	90	101	89	99	90	98	87	Fail
								Shear	125		130		127		124		124		
	DS Location and Notes																		
DS6A	35 / 36	8/15/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	93	93	104	108	99	102	93	101	100	102	Pass
								Shear	140		134		139		131		133		
	DS Location and Notes																		
DS6B	34 / 35	8/15/22	atrisk SENGTHAVOR	5007	7	860		Peel	119	112	106	105	93	106	97	109	106	107	Pass
								Shear	153		154		158		156		159		
	DS Location and Notes																		
DS7	47 / 48	8/16/22	atrisk SENGTHAVOR	5007	7	860		Peel	100	101	109	101	99	101	105	105	92	105	Pass
								Shear	146		148		131		142		136		
	DS Location and Notes																		
DS8	57 / 58	8/16/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	104	103	105	103	101	102	96	99	103	97	Pass
								Shear	131		136		129		130		133		
	DS Location and Notes																		

Global Containment Solutions LLC
Destructive Sample Information

Project Name: Xcel Sherco Cell 3 **Job #** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond** **Peel Test Extrusion Minimum** PPI

Job Description: **Secondary** **Cell** X **Peel Test Fusion Minimum** 97 PPI

Reported By: Veomany Thongdarong **Cap** **Shear Test Minimum** 122 PPI

Other:

D.S. No.	Seam No.	Weld Date	Operator Name/ ID	Mach No.	Mach Speed	Mach Temp	Preheat Temp		Coupon 1 A	Coupon 1 B	Coupon 2 A	Coupon 2 B	Coupon 3 A	Coupon 3 B	Coupon 4 A	Coupon 4 B	Coupon 5 A	Coupon 5 B	Test Results
DS9	60 / 61	8/17/22	atrisk SENGTHAVOR	5007	7	860		Peel	104	118	107	106	101	129	94	120	104	114	Pass
								Shear	143		137		137		138		137		
	DS Location and Notes																		
DS10	62 / 63	8/17/22	atrisk SENGTHAVOR	5007	7	860		Peel	103	101	100	98	94	105	97	97	112	98	Pass
								Shear	136		133		137		132		134		
	DS Location and Notes																		
DS11	42 / 43	8/16/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	105	106	105	104	108	108	108	98	102	103	Pass
								Shear	144		131		146		138		143		
	DS Location and Notes																		
DS12	52 / 66	8/20/22	atrisk SENGTHAVOR	5007	5	860		Peel	124	130	127	110	116	117	111	111	113	119	Pass
								Shear	151		149		148		149		149		
	DS Location and Notes																		
DS13	2 / 59	8/17/22	atrisk SENGTHAVOR	5007	6.5	860		Peel	109	117	137	130	123	132	126	125	143	140	Pass
								Shear	141		141		144		144		143		
	DS Location and Notes																		
DS14	64 / 65	8/17/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	110	107	118	111	106	115	113	110	121	107	Pass
								Shear	158		145		159		159		158		
	DS Location and Notes																		
DS15	68 / 69	8/20/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	115	112	120	109	117	107	110	111	109	104	Pass
								Shear	149		156		150		152		154		
	DS Location and Notes																		
DS16	79 / 80	8/22/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	111	117	107	108	111	106	113	111	113	111	Pass
								Shear	135		157		160		155		158		
	DS Location and Notes																		
DS17	97 / 98	8/22/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	111	106	104	109	106	103	104	108	102	105	Pass
								Shear	145		140		145		147		147		
	DS Location and Notes																		
DS18	115 / 116	8/24/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	99	104	104	100	100	99	102	100	105	112	Pass
								Shear	149		148		152		149		147		
	DS Location and Notes																		
DS19	61 / 61	8/25/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	130	110	115	108	113	117	133	117	127	112	Pass
								Shear	149		147		149		150		157		
	DS Location and Notes																		
DS20	94 / 133	8/26/22	atrisk SENGTHAVOR	5007	5	860		Peel	130	123	125	107	130	128	122	96	118	93	Pass
								Shear	137		145		144		143		141		
	DS Location and Notes																		
DS21	144 / 147	8/26/22	atrisk SENGTHAVOR	5007	7.5	860		Peel	102	102	94	107	98	101	100	104	112	94	Pass
								Shear	136		141		139		140		142		
	DS Location and Notes																		

Laboratory Destructive Testing Forms

DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74406

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-1 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	138	139	138	140	137	**138**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	125	126	130	111	129	**124**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	148	148	152	152	150	**150**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-2 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	101	100	97	99	98	**99**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	137	120	133	126	129	**129**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	146	149	150	150	156	**150**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74406

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-3 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	109	111	113	111	114	**112**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	137	122	125	137	128	**130**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	149	160	162	168	161	**160**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-4 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	157	160	157	153	159	**157**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	147	125	126	140	124	**132**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	168	162	167	163	164	**165**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74406

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-5 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	111	113	111	113	114	**112**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	106	112	106	107	110	**108**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	155	161	158	159	164	**159**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74581

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-6A | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	101	101	101	98	102	**101**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	106	116	106	107	106	**108**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	154	161	160	154	154	**157**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-6B-1 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	99	90	96	96	97	**96**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	120	123	116	117	125	**120**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	157	160	152	154	154	**155**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74581

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-6B-2 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	119	118	112	109	112	**114**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	124	120	109	106	109	**114**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	157	161	155	157	156	**157**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-6 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	100	104	94	99	97	**99**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	113	122	106	112	107	**112**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	148	151	150	150	151	**150**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74581

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-7 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	110	106	110	111	112	**110**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	104	107	106	104	108	**106**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	171	172	164	165	162	**167**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-8 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	112	115	114	117	115	**115**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	118	115	112	104	116	**113**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	163	168	157	160	155	**161**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74581

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-9 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	130	128	126	122	128	**127**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	107	113	104	107	105	**107**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	169	171	162	163	165	**166**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-10 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	123	125	121	120	123	**122**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	112	113	112	112	110	**112**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	163	160	163	158	161	**161**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74701

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-11 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	118	125	116	118	118	**119**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	109	115	116	116	119	**115**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	160	161	162	159	162	**161**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-12 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	128	125	131	137	129	**130**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	128	130	138	139	125	**132**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	155	166	161	164	170	**163**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74701

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-13 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	142	160	151	157	150	**152**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	140	147	141	150	147	**145**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	170	167	164	172	164	**167**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-17 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	112	115	117	117	120	**116**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	112	117	113	111	118	**114**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	143	150	142	147	146	**146**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74617

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-6B | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	128	96	116	118	99	**111**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	104	102	107	108	107	**106**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	157	163	154	158	153	**157**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-14 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	118	119	122	113	116	**118**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	108	108	106	103	105	**106**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	165	159	158	161	158	**160**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74617

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-15 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	104	107	106	106	108	**106**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	101	119	101	118	98	**107**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	154	150	147	150	150	**150**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-16 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	129	117	120	108	118	**118**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	130	132	136	118	134	**130**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	171	164	161	165	162	**165**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74701

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-18 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	123	116	124	120	120	**121**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	116	115	112	113	114	**114**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	162	163	162	168	166	**164**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	
Sample ID: DS-19 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	103	129	117	116	113	**116**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	126	121	131	127	127	**126**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	171	167	170	166	166	**168**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS
TRI Client: Veit Company
Project: XCEL Sherco U3LF Power Plant

Material: 60 mil. HDPE
SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)
TRI Log#: 74701

	TEST REPLICATE NUMBER					
PARAMETER	1	2	3	4	5	MEAN
Sample ID: DS-20 | Weld: Heat Fusion						
Side: A						**Peel A**
Peel Strength (ppi)	149	141	146	139	139	**143**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Side: B						**Peel B**
Peel Strength (ppi)	123	132	118	123	115	**122**
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						**Shear**
Shear Strength (ppi)	151	152	146	149	151	**150**
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

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Repair Forms

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						SF Patch Material	Test Type	Abbrv.	Repair Types
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		LF Welded	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
1	DS5	24/26	26	30ftnorth to south	P	2	x	5		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
2	SJ	24/25/26			P	2	x	2		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
3	SJ	24/25/exti			p	2	x	4		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
4	SJ	23/24/exti			p	2	x	4		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
5	SJ	22/23/ext			p	2	x	4		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
6	SJ	21/22/ext			p	2	x	5		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
7	SJ	20/21/Next			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
8	SJ	19/20/ext			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
9	DS4	19/ext	19	10ft from R8 to west	p	2	x	5		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
10	SJ	18/19/ext			p	2	x	4		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
11	SJ	17/18/ext			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
12	SJ	16/17/ext			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
13	SJ	15/16/ext			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
14	SJ	14/15/ext			p	2	x	5		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
15	Ds3	14/15	15	13ft from R14 to south	p	2	x	5		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
16	SJ	13/14/ext			p	2	x	2		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
17	SJ	12/13/Nexi			p	1	x	1		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
18	SJ	11/12/ext			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
19	SJ	3/11/ext			p	1	x	2		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
20	SJ	2/3/ext			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
21	SJ	1/2/ext			p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
22	SJ	1/4/ext			p	2	x	4		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
23	SJ	4/5/ext			p	2	x	4		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						SF Patch Material	Test Type	Abbrv.	Repair Types
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		LF Welded	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
24	SJ	5/7/ext			p	3	x	5		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
25	SJ	5/7/8			p	2	x	2		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
26	DS1	5/8	8	3feet from R25 tosouth	p	2	x	5		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
27	SJ	6/7/ext			p	1	x	1		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
28	SJ	6/N/tie			P	_	x	68		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
29	BO	10/27	27	1ft west to east ant	p	2	x	3		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
30	SJ	5/8/9			p	2	x	2		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
31	SJ	4/5/9/10			p	2	x	3		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
32	DS2	10/27	27	35ft west to east	p	2	x	5		8/15/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
33	DS6B	34/35	35	27ft west ant to east	FS	2	x	45		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
34	SJ	36/37/38/39			p	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
35	SJ	35/36/39/40			p	2	x	4		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
36	SJ	34/35/40			p	1	x	1		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
37	SJ	34/40/41/66			p	4	x	5		8/20722	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
38	DS7	47/48		10 ft south to north	p	2	x	5		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
39	SJ	24/26/59			p	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
40	SJ	23/24/59			p	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
41	SJ	22/23/59			p	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
42	SJ	21/22/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
43	SJ	20/21/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
44	SJ	19/20/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
45	SJ	18/19/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
46	SJ	17/18/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						SF Patch Material	Test Type	Abbrv.	Repair Types
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		LF Welded	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
47	SJ	16/17/59			P	2	x	2		820/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
48	SJ	15/16/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
49	SJ	14/15/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
50	SJ	13/14/59			P	2	x	2		820/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
51	SJ	12/13/59			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
52	SJ	11/12/59			P	2	x	2		8/18/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
53	SJ	3/11/59			P	2	x	2		8/18/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
54	SJ	2/3/59			P	2	x	2		8/18/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
55	SJ	1/2/59			P	2	x	2		820/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
56	SJ	1/8/10/27			P	5	x	8		818/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
57	SJ	27/28/59/60			P	2	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
58	SJ	28/29/60/61			P	2	x	3		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
59	SJ	29/30/61/62			P	2	x	3		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
60	BO	30/62	62	12ft from R59 to south	P	2	x	3		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
61	SJ	30/31/62/63			P	1	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
62	SJ	31/32/63/64			P	2	x	3		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
63	SJ	32/33/64/65			P	1	x	2		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
64	SJ	33/34/65/66			P	6	x	10		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
65	SJ	41/42/66			P	1	x	1		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
66	SJ	42/43/66			P	1	x	1		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
67	SJ	43/44/66			P	1	x	1		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
68	SJ	44/45/66			P	1	x	1		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
69	SJ	45/46/66			p	1	x	1		8/20/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						**SF Patch Material**	**Test Type**	**Abbrv.**	**Repair Types**
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap		CF --Custom Fit	1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage		PB --Pipe Boot		Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others		BO --Burn Out	**LF Welded**	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure			AT -Air Test	1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
70	SJ	46/47/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
71	SJ	47/48/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
72	SJ	48/49/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
73	SJ	49/50/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
74	SJ	50/51/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
75	SJ	51/52/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
76	SJ	52/53/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
77	SJ	53/54/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
78	SJ	54/55/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
79	SJ	55/56/66			p	1	x	1		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
80	SJ	56/57/66			p	2	x	2		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
81	SJ	57/58/66			P	2	x	2		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
82	DS8	57/58		10ft south to north	p	2	x	5		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
83	DS9	60/61		427 ft west tien to east	p	2	x	5		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
84	BO	61/62		430 ft west tien toeast	p	3	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
85	DS10	62/63		347 ft west tien to east	p	2	x	5		8/22/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
86	BO	26/59		5ft from R87 to west	p	2	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
87	SJ	26/67/59			p	2	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
88	SJ	67/68/59			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
89	SJ	68/69/59			p	2	x	4		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
90	SJ	25/26/67			p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
91	SJ	76/77/78			P	2	x	2		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
92	SJ	77/78/79			p	2	x	2		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit	**SF Patch Material**	**Test Type** / **Abbrv.**
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot	1770	Vacuum *S=South
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out	**LF Welded**	Air Pressure *N=North
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test	1770.00	Spark *W=West
						Air Lance *E=East

Repair Types
C--Cap Strip
P--Patch
B--Extrusion Bead

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
93	SJ	81/82/83			p	1	x	1		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
94	SJ	80/81/83/84			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
95	SJ	79/80/84/85			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
96	SJ	89/90/91/92			p	2	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
97	SJ	88/89/92			p	2	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
98	SJ	88/92/93			p	2	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
99	SJ	sj99/N/E tie	99		p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
100	SJ	98/99/N.tie			p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
101	SJ	97/98			p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
102	SJ	96/97/N tie			p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
103	SJ	95/96/N tin			p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
104	SJ	94/95/N ex			p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
105	SJ	93/94/Ntie			p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
106	SJ	87/88/93/Eti			P	2	x	4		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
107	SJ	86/87/Etie			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
108	SJ	85/86/Etie			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
109	SJ	84/85/Etie			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
110	SJ	83/84/Etien			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
111	SJ	82/83/Etie			p	1	x	2		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
112	SJ	82/E/N/tie			p	2	x	4		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
113	SJ	81/82/Ntie			p	1	x	1		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
114	SJ	81/Ntien	81	4ft from R113 to west	p	1	x	1		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
115	SJ	80/81/Ntien			p	1	x	1		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						**SF Patch Material**	**Test Type**	**Abbrv.**	**Repair Types**
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		**LF Welded**	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
116	p	80/N ext	80	3ft from R115 to west	p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
117	SJ	79/80/N ex			p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
118	p	79/N ext	79	3 ft from R117 to west	p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
119	SJ	78/79/N ext			p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
120	SJ	78/Ntie	78	3ft from R119 to west	p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
121	SJ	76/78/Ntie			p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
122	SJ	76/Ntie	76	3ft from R 121 to west	p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
123	SJ	75/76/N ext			P	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
124	SJ	75/Nexti			P	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
125	SJ	74/75/Netii			P	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
126	SJ	74/N/ext	74	3 ft from R125 to west	P	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
127	SJ	73/74/N ext			P	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
128	SJ	73/N/ext	73	3 ft from R 127 to west	p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
129	SJ	72/73/N/ext			p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
130	SJ	72/N/ext	72	3ft from R129 to west	p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
131	SJ	71/72/N ext			p	2	x	4		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
132	SJ	70/71/N/ex			p	2	x	4		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
133	SJ	69/70/N ext			p	2	x	4		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
134	SJ	68/69/Nexti			P	4	x	2		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
135	SJ	67/68/N ext			p	2	x	4		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
136	SJ	25/67/N ext			p	3	x	4		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
137	DS6A	35/36	36	7 ft west to east	p	2	x	5		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
138	DS11	42/43	43	18ft from R66 to south	p	2	x	5		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						**SF Patch Material**	**Test Type**	**Abbrv.**	**Repair Types**
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		**LF Welded**	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
139	DS12	52/66	66	9ft from R76 to west	p	2	x	5		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
140	DS13	2/59	59	6 ft from R54 to west	p	2	x	5		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
141	SJ	58/66/100			p	2	x	6		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
142	SJ	66/100/101			P	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
143	SJ	66/101/102			p	1	x	1		8/24/22	Mohamed Mohamed	50441	Vacuum	Pass	8/25/22
144	DS15	68/69	69	11ft from R134 to south	p	2	x	5		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
145	DS16	79/80	80	11 ft from R 95 to north	p	2	x	5		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
146	DS14	64/65	65	28ft from R63 to east	p	2	x	5		8/26/22	Mohamed Mohamed	50441	Vacuum	pass	8/26/22
147	SJ	6/N/exit	6	2ft west ANT and N exi	p	1	x	1		8/13/22	Mohamed Mohamed	50441	Vacuum	Pass	8/24/22
148	SJ	64/65	65	433ft from R 146 to east	p	2	x	5		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
149	SJ	63/64	64	471 ft from R62 to east	p	2	x	4		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
150	SJ	62/63	63	116 ft from R 85 to east	p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
151	SJ	61/62	62	32ft from R84 to east	p	2	x	3		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
152	SJ	60/61	61	36ft from R83 toeast	p	2	x	4		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
153	SJ	59/60	60	471 ft R 57 to east	p	2	x	4		8/25/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
154	SJ	69/59	59	7 ft from R 89 to east	p	2	x	2		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
155	SJ	59/69/70			p	1	x	1		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
156	SJ	59/70/71			p	1	x	1		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
157	SJ	59/71/72			p	1	x	1		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
158	SJ	59/72/73			p	1	x	1		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/26/22
159	SJ	59/73/74			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
160	SJ	59/74/75/127			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
161	SJ	75/76/127			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						SF Patch Material	Test Type	Abbrv.	Repair Types
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		LF Welded	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
162	SJ	76/77/127			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
163	SJ	77/79/85/127			p	2	x	5		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
164	SJ	107/108/135/136			p	6	x	10		8/26/22	Mohamed Mohamed	50441	Vacuum	pass	8/27/22
165	SJ	85/86/127			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
166	SJ	86/126/127			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
167	SJ	86/87/128			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
168	SJ	87/128/129			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
169	SJ	87/88/129			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
170	SJ	129/130/88			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
171	SJ	88/89/130			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
172	SJ	89/130/131			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
173	FS	90/131	131	23 ft cap p 90/131	c	3	x	23		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
174	SJ	90/91/132			p	2	x	10		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
175	SJ	91/132/133			p	3	x	3		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
176	SJ	91/93/133			p	2	x	2		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
177	SJ	92/93/133			p	1	x	2		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
178	SJ	93/94/133			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
179	DS20	94/95/133	94/133		p	2	x	7		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
180	SJ	95/96/133			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
181	SJ	96/97/133			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
182	SJ	97/98/133			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
183	DS17	97/98	98	10ft from R182 to North	p	2	x	5		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
184	SJ	98/99/133			p	1	x	1		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						**SF Patch Material**	**Test Type**	**Abbrv.**	**Repair Types**
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		**LF Welded**	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
185	SJ	133/134/135			p	3	x	3		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
186	SJ	133/134/135			p	3	x	3		8/27/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
187	SJ	65/133/66/134/135/			p	2	x	13		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
188	SJ	64/65/132/133			p	2	x	7		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
189	SJ	63/64/131/132			p	2	x	7		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
190	SJ	63/130/131			p	2	x	3		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
191	SJ	62/63/130			p	3	x	3		8/26/226	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
192	SJ	61/129/130			p	2	x	3		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
193	SJ	61/62/130			p	2	x	3		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
194	SJ	61/128/129			p	2	x	3		8/26722	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
195	SJ	60/61/128			p	2	x	2		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
196	SJ	59/60/127/128			p	2	x	4		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
197	SJ	66/107/135			p	2	x	6		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
198	SJ	106/107/66			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
199	SJ	66/105/106			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
200	SJ	66/104/105			P	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
201	SJ	66/104/105			P	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
202	SJ	66/102/103			P	1	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
203	SJ	66/102/66			P	3	x	3		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
204	SJ	65/66	66	9 ft from R203 to N.	P	2	x	3		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
205	WR	90	90	2ft from seam 90/132 to N3 ft R 173 E	p	1	x	1		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
206	SJ	87/128/129			P	2	x	2		8/27/22	Mohamed Mohamed	50441	Vacuum	pass	8/27/22
207	WR	107	107	3ft from seam 11ft R197 to west	p	1	x	1		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						SF Patch Material	Test Type	Abbrv.	Repair Types
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		LF Welded	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
208	SJ	105/106/107			p	2	x	3		8/26/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
209	SJ	107/108/109			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
210	DS18	115/116		10ft from trench to north	p	2	x	5		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
211	SJ	118/119/120			p	2	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	8/27/22
212	SJ	IIIhavehave/109/136			c	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
213	SJ	109/110/136/139			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
214	SJ	110/111/139			p	2	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
215	SJ	111/139/140			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
216	SJ	111/112/140			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
217	SJ	112/113/140			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
218	SJ	113/140/142			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
219	SJ	213/214/142			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
220	SJ	114/115/142			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
221	FS	115/142/143			p	2	x	12		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
222	SJ	116/117/143			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
223	SJ	117/143/145			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
224	SJ	117/118/145			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
225	SJ	118/120/121/145/146			p	2	x	5		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
226	WR	146		2ft from R225 to east1 ft from tin toN	p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
227	SJ	143/145/146			p	2	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
228	SJ	121/122/146			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
229	SJ	122/123/146			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
230	SJ	123/124146			p	1	x	2		8/27/22	Patrisk SENGTHAVORN	50441	Vacuum	Pass	9/2/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						**SF Patch Material**	**Test Type**	**Abbrv.**	**Repair Types**
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		**LF Welded**	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
231	SJ	124/146/147			p	1	x	2		8/27/22	Patrisk SENGTHAVORN	50441	Vacuum	Pass	9/2/22
232	SJ	143/144/146/147			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50441	Vacuum	Pass	9/2/22
233	SJ	142142/144			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50441	Vacuum	Pass	9/2/22
234	SJ	124/125			p	1	x	2		8/27/22	Patrisk SENGTHAVORN	50441	Vacuum	Pass	9/2/22
235	SJ	125/126/147			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	9/2/22
236	SJ	137/138/139			p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
237	SJ	136/137/139			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
238	SJ	135/136/137			p	3	x	3		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
239	SJ	139/140/141			p	2	x	3		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
240	SJ	140/141/142			p	2	x	2		8/27/22	Patrisk SENGTHAVORN	50440	Vacuum	Pass	8/27/22
241	FS	115/116/143			p	2	x	8		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	8/29/22
242	WR	114	114	3ft from seam 114/142 11ft from R220 N	p	1	x	2		8/29/22	Mohamed Mohamed	50441	Vacuum	Pass	8/29/22
243	DS19	61/62	62	35ft from R193 to west	p	2	x	5		8/29/22	Mohamed Mohamed	50441	Vacuum	pass	9/2/22
244	Ds21	144/147	147	22ft from R232 to east	p	2	x	5		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
245	SJ	126/147/148			p	4	x	6		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
246	SJ	147/148/149			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
247	SJ	149/159/162147			p	2	x	4		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
248	SJ	144/147/162			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
249	SJ	144/162164			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
250	SJ	142/144/164			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
251	SJ	142/164/165			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
252	SJ	141/142/165			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
253	SJ	141/165/166			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit	**SF Patch Material**	**Test Type** / **Abbrv.**
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot	1770	Vacuum *S=South
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out	**LF Welded**	Air Pressure *N=North
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test	1770.00	Spark *W=West
						Air Lance *E=East

Repair Types
C--Cap Strip
P--Patch
B--Extrusion Bead

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
254	SJ	139/141/166			p	2	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
255	SJ	139/166//167			p	2	x	3		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
256	SJ	139/167	167	5ft from R257 toS,35ft from R255 to W	p	2	x	3		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
257	SJ	137/139/167			p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
258	SJ	137/167/168			p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
259	SJ	138/139/168			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
260	SJ	138/168/169			p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
261	SJ	138/169/174			p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
262	SJ	169/172/173/174			p	3	x	3		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
263	SJ	169/171/172			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
264	SJ	169/170/171			p	2	x	3		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
265	SJ	170		8ft from R264 to N1ft from seam 171	p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
266	SJ	170/ext		7ft from R267 toEast	p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
267	SJ	170/171/ext			p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
268	SJ	171/ext		6ft from R267 to W	p	2	x	3		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
269	SJ	171/172/ext			p	1	x	1		9/2/21	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
270	SJ	172/ext		5ft from R269 to W	p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
271	SJ	172/173/ext			p	1	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
272	SJ	173/ext		4ft from R271 to W	p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
273	SJ	99/173//ext			p	3	x	5		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
274	SJ	99/173/174			p	1	x	1		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
275	SJ	98/99/174			p	3	x	5		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
276	SJ	133/135/138/174			p	1	x	3		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test

SF Patch Material	Test Type	Abbrv.	Repair Types
1770	Vacuum	*S=South	C--Cap Strip
	Air Pressure	*N=North	P--Patch
LF Welded	Spark	*W=West	B--Extrusion Bead
1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
277	SJ	135/137/138			p	3	x	6		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
278	SJ	136	136	20ft from R238 to west 2ft from seam 135	p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
279	SJ	135/136	136	25ft from R278 to W	p	2	x	4		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
280	SJ	135/136	136	55ft from R146	p	3	x	4		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
281	SJ	66/135	135	40ft from R 187 to E	p	2	x	5		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
282	DS22	159/162	162	30ft fromR295 to West	p	2	x	5		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
283	SJ	149/150/159			p	2	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
284	SJ	150/157/159			p	2	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
285	SJ	150/151/157			p	2	x	2		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
286	SJ	151/152/155/157			p	2	x	4		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
287	SJ	152/153/154			p	2	x	3		9/2/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
288	SJ	154/155/156			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
289	SJ	155/156/158			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
290	SJ	155/157/158			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
291	SJ	157/158/159			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
292	SJ	158/159/160			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
293	SJ	158/160/161			p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
294	SJ	162/163	163	11ft from R 294 to N 53 ft E to w	p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
295	SJ	159/162/163			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
296	SJ	159/160/163			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
297	SJ	160/161/163			p	2	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
298	SJ	163/ext	163	2ft from R 299 to N	p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
299	SJ	163/ext	ext	7ft from R 300	p	1	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22

Global Containment Solutions LLC

Repair Report

Project Name Xcel Sherco Cell 4 **Job # :** 22-05-1081 **Superintendent:** Danny Thongdarong

Material Type: 60Mil Texture/Smooth **Primary** X **Pond**

Job Description: 22-05-1081 **Secondary** **Cell** X

Reported by : Veomany Thongdarong **Cap**

Other:

Damage Codes						**SF Patch Material**	**Test Type**	**Abbrv.**	**Repair Types**
CR --Crease	FS --Failed Seam	MatD --Material Defect	LL --Lost Lap	CF --Custom Fit		1770	Vacuum	*S=South	C--Cap Strip
DS --Destruct Sample	WR --Wrinkle	WS --Welder Restart	MD --Mechanical Damage	PB --Pipe Boot			Air Pressure	*N=North	P--Patch
SI --Subgrade Irregularity	AV --Airvent	RW --Roller Wrinkle	DO --Damage By Others	BO --Burn Out		**LF Welded**	Spark	*W=West	B--Extrusion Bead
SJ --Seam Joint	AO --Add On	CS --Concrete Structure		AT -Air Test		1770.00	Air Lance	*E=East	

Repair Number	Damage Code	Seam Number	Panel Number	Location	Repair Type	Patch (Feet)			Bead (Inches)	Date Welded	Operator Name	Machine Number	Test Type	Test Results	Date Complete
300	SJ	161/163/ext			p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
301	SJ	161/ext	161	11ft from R 302 to N	p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
302	SJ	158/161/ext			p	2	x	8		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
303	SJ	156/158/ext			p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
304	SJ	156/ext	156	11ft fromR305 to N	p	1	x	1		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
305	SJ	154/156/ext			p	1	x	2		9/1/22	Mohamed Mohamed	50441	Vacuum	Pass	9/2/22
306							x								
307							x								
308							x								
309							x								
310							x								
311							x								
312							x								
313							x								
314							x								
315							x								
316							x								
317							x								
318							x								
319							x								
320							x								
321							x								
322							x								

APPENDIX F – Drainage Layer Material Testing

Granular Drainage Material Particle Size Test Reports
Granular Drainage Material Hydraulic Conductivity Test Reports
1.5″ Clear Rock Particle Size Test Reports
Coarse Filter Aggregate Particle Size Test Reports
Fine Filter Aggregate Particle Size Test Reports
Filter Aggregate Analysis

Granular Drainage Material Particle Size Test Reports

INDEPENDENT TESTING TECHNOLOGIES, INC.
337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: October 15, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~C-1~~ S-1
Sampled By:	VB-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/14/2019
Date Received:	10/14/2019
Date Tested:	10/14/2019
Classification:	SP - Screened Sand
Location/Pit:	Screened Stockpile

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	98
#10	94
#20	79
#40	42
#80	7
#200	3.0

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

INDEPENDENT TESTING TECHNOLOGIES, INC.
337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
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GRAIN SIZE ANALYSIS

Report Date: October 16, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~G-2~~ S-2
Sampled By:	CA - ITT
Testing Technician:	CW - ITT
Date Sampled:	10/16/2019
Date Received:	10/16/2019
Date Tested:	10/16/2019
Classification:	SP - Screened Sand
Location/Pit:	Screened Stockpile

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	98
#10	94
#20	79
#40	42
#80	8
#200	3.2

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
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GRAIN SIZE ANALYSIS

Report Date: October 23, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~C-3~~ S-3
Sampled By:	BF-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/22/2019
Date Received:	10/22/2019
Date Tested:	10/23/2019
Classification:	Screened Sand
Location/Pit:	Stockpile

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	97
#10	92
#20	75
#40	36
#80	7
#200	3.0

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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GRAIN SIZE ANALYSIS

Report Date: October 23, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~C-4~~ S-4
Sampled By:	BF-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/22/2019
Date Received:	10/22/2019
Date Tested:	10/23/2019
Classification:	Screened Sand
Location/Pit:	GD-1

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	98
#10	94
#20	80
#40	44
#80	8
#200	3.3

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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Phone: (320) 253-4338 FAX: (320) 253-4547
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GRAIN SIZE ANALYSIS

Report Date: October 23, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~G-5~~ S-5
Sampled By:	BF-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/22/2019
Date Received:	10/22/2019
Date Tested:	10/23/2019
Classification:	Screened Sand
Location/Pit:	GD-2

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	97
#10	94
#20	79
#40	43
#80	9
#200	3.8

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: October 29, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~C-6~~ S-6
Sampled By:	CA-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/25/2019
Date Received:	10/25/2019
Date Tested:	10/28/2019
Classification:	Screened Sand
Location/Pit:	In Place Stockpile

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	97
#10	93
#20	78
#40	42
#80	9
#200	3.8

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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Phone: (320) 253-4338 FAX: (320) 253-4547
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GRAIN SIZE ANALYSIS

Report Date: October 29, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~C-7~~ S-7
Sampled By:	CA-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/25/2019
Date Received:	10/25/2019
Date Tested:	10/28/2019
Classification:	Screened Sand
Location/Pit:	In Place Stockpile

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	96
#10	91
#20	74
#40	36
#80	7
#200	3.0

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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GRAIN SIZE ANALYSIS

Report Date: October 29, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~C-8~~ S-8
Sampled By:	CA-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/25/2019
Date Received:	10/25/2019
Date Tested:	10/29/2019
Classification:	Screened Sand
Location/Pit:	In Place Stockpile

Laboratory Data

Sieve Size	% Passing
1/2"	100
3/8"	99
#4	95
#10	89
#20	71
#40	35
#80	7
#200	2.8

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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GRAIN SIZE ANALYSIS

Report Date: October 29, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~G-9~~ S-9
Sampled By:	CA-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/25/2019
Date Received:	10/25/2019
Date Tested:	10/29/2019
Classification:	Screened Sand
Location/Pit:	In Place Stockpile

Laboratory Data

Sieve Size	% Passing
3/8"	100
#4	97
#10	92
#20	76
#40	39
#80	7
#200	3.3

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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Phone: (320) 253-4338 FAX: (320) 253-4547
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GRAIN SIZE ANALYSIS

Report Date: October 29, 2019

Client: Veit & Company
Mr. Justin Miller
14000 Veit Place
Rogers, MN 55374

I.T.T. Project #: **19-349**
Sherco Generating Plant
Ash Landfill
Becker, Minnesota

Email: *jmiller@veitusa.com; tbarnett@veitusa.com; tmonson@veitusa.com*

Sample Information

Sample #:	~~C-10~~ S-10
Sampled By:	CA-ITT
Testing Technician:	CW - ITT
Date Sampled:	10/25/2019
Date Received:	10/25/2019
Date Tested:	10/29/2019
Classification:	Screened Sand
Location/Pit:	In Place Stockpile

Laboratory Data

Sieve Size	% Passing
1/2"	100
3/8"	99
#4	97
#10	91
#20	75
#40	38
#80	7
#200	2.9

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

Granular Drainage Material Hydraulic Conductivity Test Reports

INDEPENDENT TESTING TECHNOLOGIES, INC.

337 31st AVENUE SOUTH, WAITE PARK, MN 56387
PH: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	1
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/10/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	2.4
Max. Standard Proctor Density:	112.5
Percent of Maximum Density:	95
Optimum Moisture Content (%):	14.8
Coefficient of Permeability (K): (@ 20 Degrees C)	2.5×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

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PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	2
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/10/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	3.1
Max. Standard Proctor Density:	115.3
Percent of Maximum Density:	95
Optimum Moisture Content (%):	12.4
Coefficient of Permeability (K): (@ 20 Degrees C)	2.8×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

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PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	3
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/11/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	3.1
Max. Standard Proctor Density:	114.9
Percent of Maximum Density:	95
Optimum Moisture Content (%):	13.7
Coefficient of Permeability (K): (@ 20 Degrees C)	3.4×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

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PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	4
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/11/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	3.0
Max. Standard Proctor Density:	114.4
Percent of Maximum Density:	95
Optimum Moisture Content (%):	12.7
Coefficient of Permeability (K): (@ 20 Degrees C)	3.2×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

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PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	5
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/11/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	2.4
Max. Standard Proctor Density:	113.3
Percent of Maximum Density:	95
Optimum Moisture Content (%):	13.7
Coefficient of Permeability (K): (@ 20 Degrees C)	4.0×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

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PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	6
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/11/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	2.2
Max. Standard Proctor Density:	111.2
Percent of Maximum Density:	95
Optimum Moisture Content (%):	13.8
Coefficient of Permeability (K): (@ 20 Degrees C)	2.6×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

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PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	7
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/11/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	4.0
Max. Standard Proctor Density:	113.2
Percent of Maximum Density:	95
Optimum Moisture Content (%):	12.4
Coefficient of Permeability (K): (@ 20 Degrees C)	1.7×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

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PH: (320) 253-4338 FAX: (320) 253-4547
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PERMEABILITY
(ASTM D2434)

Report Date: December 12, 2019

Project: **19-350A**
Sherco Generating Plant
Bottom Ash #2 -Perms
Becker, Minnesota

Client: **Veit & Company**
Mr. Justin Miller
1400 Veit Place
Rogers, MN 55374

Email: jmiller@veitusa.com; tbranett@veitusa.com; tmonson@veitusa.com

Lab Technician: CW

SAMPLE INFORMATION

Sample #:	8
Sample Location:	Stockpile
Date Sampled:	12/4/2019
Date Received:	12/4/2019
Date Tested:	12/11/2019
Type of Sample:	Bag
Type of Test:	Constant Head Permeability
Classification: USCS:	SP- Screened Sand

LABORATORY DATA

Percent Passing #200 Sieve:	3.1
Max. Standard Proctor Density:	111.4
Percent of Maximum Density:	95
Optimum Moisture Content (%):	13.8
Coefficient of Permeability (K): (@ 20 Degrees C)	2.6×10^{-2} cm/sec

Respectfully Submitted By:

Chad Wolney, Soils Lab Manager

1.5″ Clear Rock Particle Size Test Reports

INDEPENDENT TESTING TECHNOLOGIES, INC.
337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: September 15, 2022

Client: Veit & Company
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: *tlibbesmeier@veitusa.com*

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

Sample Information

Sample #:	G-7
Sampled By:	HB-ITT
Testing Technician:	CW-ITT
Date Sampled:	9/13/2022
Date Received:	9/13/2022
Date Tested:	9/14/2022
Classification:	Sump Aggregate
Location/Pit:	Sherco Stockpile

Laboratory Data

Sieve Size	% Passing	Specifications
2"	100	***
1 1/2"	75	***
1"	34	***
3/4"	14	***
5/8"	10	***
1/2"	8	***
3/8"	2	***
#4	0	***

Remarks ***

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

Coarse Filter Aggregate Particle Size Test Reports

INDEPENDENT TESTING TECHNOLOGIES, INC.
337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: September 15, 2022

Client: Veit & Company
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: *tlibbesmeier@veitusa.com*

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

Sample Information

Sample #:	G-1
Sampled By:	HB-ITT
Testing Technician:	CW-ITT
Date Sampled:	9/13/2022
Date Received:	9/13/2022
Date Tested:	9/14/2022
Classification:	Coarse Filter Aggregate
Location/Pit:	Sherco Stockpile, North End

Laboratory Data

Sieve Size	% Passing	Specifications
1"	100	***
3/4"	86	***
5/8"	72	***
1/2"	57	***
3/8"	43	***
#4	14*	***

Remarks ***

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

INDEPENDENT TESTING TECHNOLOGIES, INC.
337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: September 15, 2022

Client: Veit & Company
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: *tlibbesmeier@veitusa.com*

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

Sample Information

Sample #:	G-2
Sampled By:	HB-ITT
Testing Technician:	CW-ITT
Date Sampled:	9/13/2022
Date Received:	9/13/2022
Date Tested:	9/14/2022
Classification:	Coarse Filter Aggregate
Location/Pit:	Sherco Stockpile, East End

Laboratory Data

Sieve Size	% Passing	Specifications
1"	100	***
3/4"	86	***
5/8"	70	***
1/2"	52	***
3/8"	34	***
#4	6	***

Remarks ***

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: September 15, 2022

Client: Veit & Company
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: *tlibbesmeier@veitusa.com*

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

Sample Information

Sample #:	G-3
Sampled By:	HB-ITT
Testing Technician:	CW-ITT
Date Sampled:	9/13/2022
Date Received:	9/13/2022
Date Tested:	9/14/2022
Classification:	Coarse Filter Aggregate
Location/Pit:	Sherco Stockpile, South End

Laboratory Data

Sieve Size	% Passing	Specifications
1"	100	***
3/4"	88	***
5/8"	78	***
1/2"	63	***
3/8"	47	***
#4	17*	***

Remarks ***

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

Fine Filter Aggregate Particle Size Test Reports

INDEPENDENT TESTING TECHNOLOGIES, INC.
337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: September 15, 2022

Client: Veit & Company
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: *tlibbesmeier@veitusa.com*

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

Sample Information

Sample #:	G-4
Sampled By:	HB-ITT
Testing Technician:	CW-ITT
Date Sampled:	9/13/2022
Date Received:	9/13/2022
Date Tested:	9/14/2022
Classification:	Fine Filter Aggregate
Location/Pit:	Sherco Stockpile, West End

Laboratory Data

Sieve Size	% Passing	Specifications
3/8"	100	***
#4	13	***
#10	3	***
#20	2	***
#40	2	***
#80	2	***
#200	1.8	***

Remarks ***

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: September 15, 2022

Client: Veit & Company
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: *tlibbesmeier@veitusa.com*

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

Sample Information

Sample #:	G-5
Sampled By:	HB-ITT
Testing Technician:	CW-ITT
Date Sampled:	9/13/2022
Date Received:	9/13/2022
Date Tested:	9/14/2022
Classification:	Fine Filter Aggregate
Location/Pit:	Sherco Stockpile, South End

Laboratory Data

Sieve Size	% Passing	Specifications
3/8"	100	***
#4	8	***
#10	1	***
#20	1	***
#40	1	***
#80	1	***
#200	1.0	***

Remarks ***

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

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337 31st Avenue South, Waite Park, MN 56387
Phone: (320) 253-4338 FAX: (320) 253-4547
www.independenttestingtech.com

GRAIN SIZE ANALYSIS

Report Date: September 15, 2022

Client: Veit & Company
Tom Libbesmeier
1400 Veit Place
Rogers, MN 55374

Email: *tlibbesmeier@veitusa.com*

I.T.T. Project #: **22-221**
Sherco Cell & Capping
Veit Job # 220210

Sample Information

Sample #:	G-6
Sampled By:	HB-ITT
Testing Technician:	CW-ITT
Date Sampled:	9/13/2022
Date Received:	9/13/2022
Date Tested:	9/14/2022
Classification:	Fine Filter Aggregate
Location/Pit:	Sherco Stockpile, East End

Laboratory Data

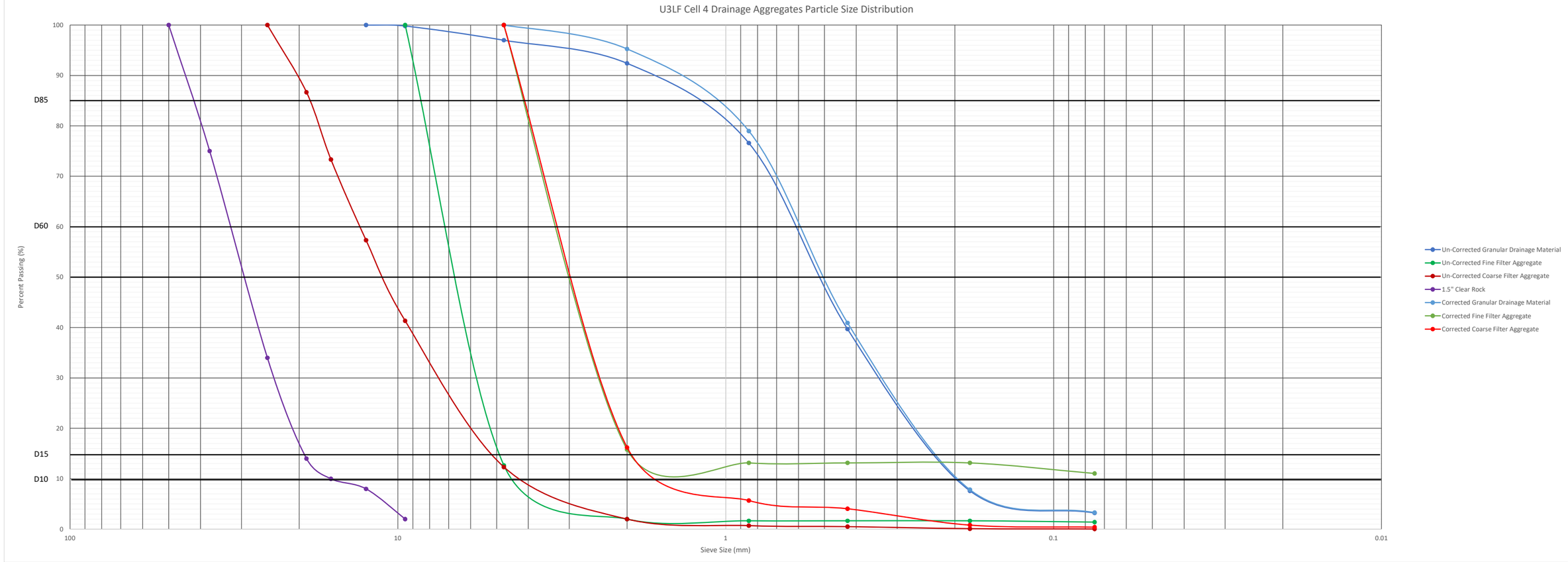
Sieve Size	% Passing	Specifications
3/8"	100	***
#4	17	***
#10	2	***
#20	2	***
#40	2	***
#80	2	***
#200	1.4	***

Remarks ***

Respectfully Submitted:

Chad T. Wolney, Soils Lab Manager

Filter Aggregate Analysis


U3LF Cell 4 Drainage Aggregates Particle Size Distribution
Percent Passing (%)
100
90
D85
80
70
D60
60
50
40
30
20
D15
D10
10
0
100
10
1
0.1
0.01
Sieve Size (mm)
Un-Corrected Granular Drainage Material
Un-Corrected Fine Filter Aggregate
Un-Corrected Coarse Filter Aggregate
1.5" Clear Rock
Corrected Granular Drainage Material
Corrected Fine Filter Aggregate
Corrected Coarse Filter Aggregate

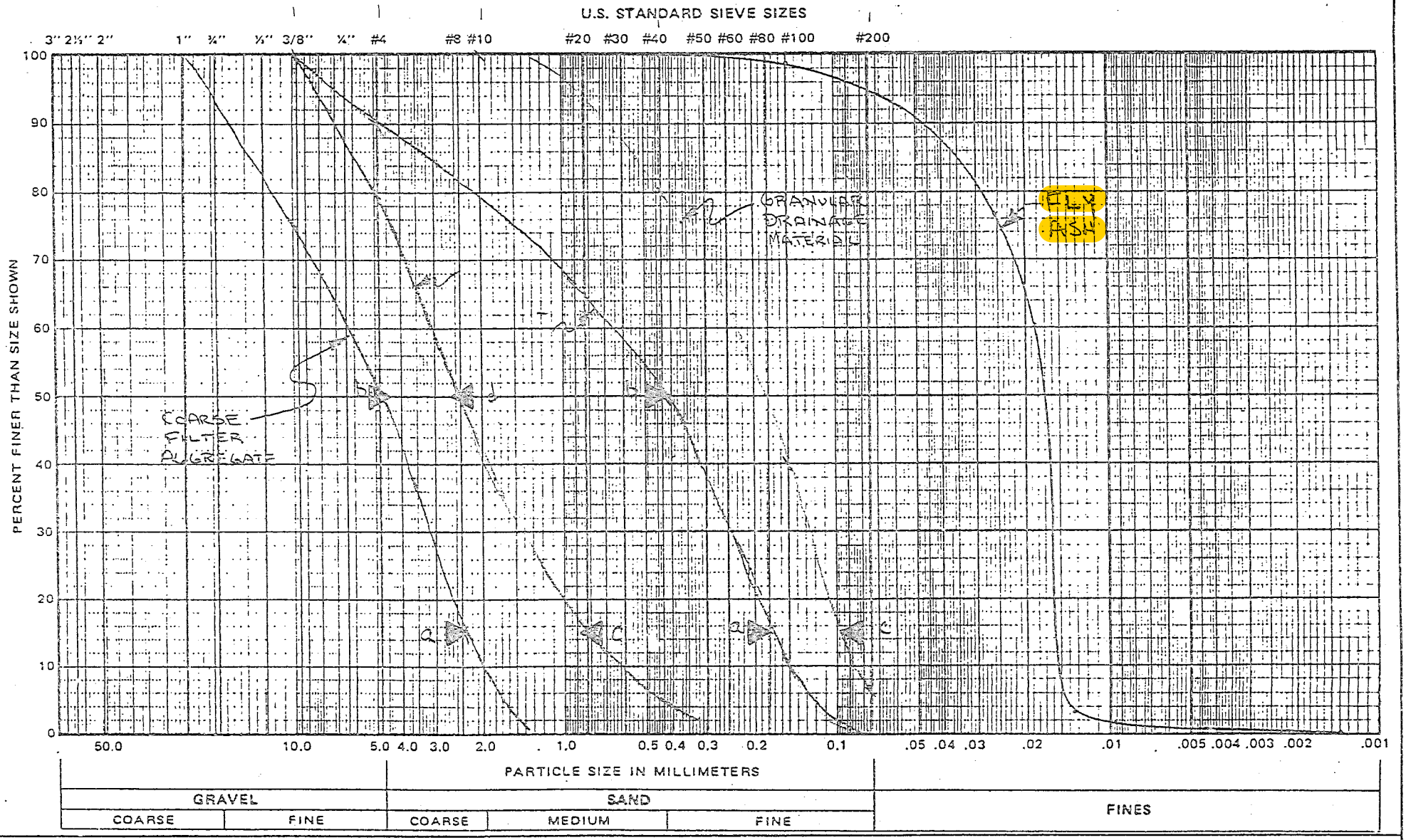
Grain Size Distribution

Boring No.	Sample No.	Depth (ft)	Soil Classification
			FLY ASH

Job No: 1393 Date: 5-1-91

Project: NSP - SHERBURNE COUNTY GENERATING PLANT
#23/71-008 TJR 28

Reported To: BARR ENGINEERING COMPANY



3016 West 56th St. ...ING ...INC. Minneapolis, MN 55410

SET-R3

U3LF Cell 4 Aggregate Filter Analysis

Effective Paticle Size "D Values"	Particle Sizes (mm)							
	CCR Waste	Un-Corrected Granular Drainage Material	Corrected Granular Drainage Material	Un-Corrected Fine Filter Aggregate	Corrected Fine Filter Aggregate	Un-Corrected Coarse Filter Aggregate	Corrected Coarse Filter Aggregate	1.5" Clear Rock
D85	0.074	1.2	1.05	8.4	4.1	18	4.1	41
D60	0.018	0.61	0.58	7.2	3.2	13	3.1	32
D15	0.016	0.22	0.22	4.8	1.9	5.1	1.9	19
D10	0.0155	0.20	0.19	4.4	1.5	4.2	1.6	16
Cu**	-	3.1	3.1	1.6	2.1	3.1	1.9	2.0
Cu Check	-	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6
Results	-	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Notes: 1. Values interpreted graphically from gradation curves of average of respective material samples. See gradation curves on previous pages.
2. Corrected gradation curves based upon US Army Corps of Engineers Filter Design (Appendix B of EM 1110-2-2300)
3. CCR and 1.5" Clear Rock do not require gradation curve correction
4. Uniformity Coefficent (Cu) = D60/D10

Check Filter Criteria

Criteria 1 - Movement of particles from upper to lower layer

Un-Corrected D15(lower)/Corrected D85(upper) ≤ 5

- Check between Granular Drainage Material (lower) and CCR Waste (upper)

3.0 ≤ 5 Pass

- Check between Fine Filter Aggregate (lower) and Granular Drainage Material (upper)

4.6 ≤ 5 Pass

- Check between Coarse Filter Aggregate (lower) and Fine Filter Aggregate (upper)

1.2 ≤ 5 Pass

- Check Between 1.5" Clear Rock (lower) and Coarse Filter Aggregate(upper)

4.6 ≤ 5 Pass

Check Permeability Criteria

Criteria 2 - Hydraulic conductivity between layers

Un-Corrected D15(lower)/Un-Corrected D15(upper) ≥ 3 to 5

- Check between Granular Drainage Material (lower) and CCR Waste (upper)

13.8 ≥ 5 Pass

- Check between Fine Filter Aggregate (lower) and Granular Drainage Material (upper)

21.8 ≥ 5 Pass

- Check between Coarse Filter Aggregate (lower) and Fine Filter Aggregate (upper)

1.1 ≥ 3 Fail*

*Approved by Engineer; as shown, permeability check of coarse filter aggregate effective 15% particle size is slightly greater than that of fine filter aggregate for the 6" layers. Coarse filter aggregate also contains larger particles than fine filter aggregate and will have a near equal to greater permeability than the fine filter aggregate. The layers are thin and by the rule of transmissivity, drainage will not be impeded.

- Check Between 1.5" Clear Rock (lower) and Coarse Filter Aggregate(upper)

3.7 ≥ 3 Pass

APPENDIX G – Leachate Collection System HELP Model Analyses

10-year Open Condition
30-year Closed Condition

10-year Open Condition

HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE
HELP MODEL VERSION 4.0 BETA (2018)
DEVELOPED BY USEPA NATIONAL RISK MANAGEMENT RESEARCH LABORATORY

Title: Cell 4 Base Liner Efficiency **Simulated On:** 11/8/2022 15:07

Layer 1

Type 1 - Vertical Percolation Layer (Cover Soil)
High-Density Electric Plant Coal Fly Ash
Material Texture Number 30

Thickness	=	240	inches
Porosity	=	0.541	vol/vol
Field Capacity	=	0.187	vol/vol
Wilting Point	=	0.047	vol/vol
Initial Soil Water Content	=	0.2	vol/vol
Effective Sat. Hyd. Conductivity	=	5.00E-05	cm/sec

Layer 2

Type 2 - Lateral Drainage Layer
CoS - Coarse Sand
Material Texture Number 1

Thickness	=	12	inches
Porosity	=	0.417	vol/vol
Field Capacity	=	0.045	vol/vol
Wilting Point	=	0.018	vol/vol
Initial Soil Water Content	=	0.2	vol/vol
Effective Sat. Hyd. Conductivity	=	1.00E-02	cm/sec
Slope	=	2	%
Drainage Length	=	80	ft

Layer 3

Type 4 - Flexible Membrane Liner
HDPE Membrane
Material Texture Number 35

Thickness	=	0.06	inches
Effective Sat. Hyd. Conductivity	=	2.00E-13	cm/sec
FML Pinhole Density	=	1	Holes/Acre
FML Installation Defects	=	1	Holes/Acre
FML Placement Quality	=	2	Excellent

Layer 4

Type 3 - Barrier Soil Liner

Bentonite (High)
Material Texture Number 17

Thickness	=	0.25	inches
Porosity	=	0.75	vol/vol
Field Capacity	=	0.747	vol/vol
Wilting Point	=	0.4	vol/vol
Initial Soil Water Content	=	0.75	vol/vol
Effective Sat. Hyd. Conductivity	=	3.00E-09	cm/sec

Note: Initial moisture content of the layers and snow water were specified by the user.

General Design and Evaporative Zone Data

SCS Runoff Curve Number	=	96.5	
Fraction of Area Allowing Runoff	=	0	%
Area projected on a horizontal plane	=	8.41	acres
Evaporative Zone Depth	=	24	inches
Initial Water in Evaporative Zone	=	4.8	inches
Upper Limit of Evaporative Storage	=	12.984	inches
Lower Limit of Evaporative Storage	=	1.128	inches
Initial Snow Water	=	0	inches
Initial Water in Layer Materials	=	50.588	inches
Total Initial Water	=	50.588	inches
Total Subsurface Inflow	=	0	inches/year

Note: SCS Runoff Curve Number was calculated by HELP.

Evapotranspiration and Weather Data

Station Latitude	=	45.44	Degrees
Maximum Leaf Area Index	=	2	
Start of Growing Season (Julian Date)	=	128	days
End of Growing Season (Julian Date)	=	271	days
Average Wind Speed	=	8	mph
Average 1st Quarter Relative Humidity	=	72	%
Average 2nd Quarter Relative Humidity	=	66	%
Average 3rd Quarter Relative Humidity	=	72	%
Average 4th Quarter Relative Humidity	=	74	%

Note: Evapotranspiration data was obtained for Becker, MINNESOTA

Normal Mean Monthly Precipitation (inches)

Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec
0.625531	0.851961	1.552956	2.321966	3.353774	3.718708
3.640265	4.045751	2.839465	1.966888	1.087497	0.909746

Note: Precipitation was simulated based on HELP V4 weather simulation for:
Lat/Long: 45.44/-93.83

Normal Mean Monthly Temperature (Degrees Fahrenheit)

Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec
29.1	27.1	40.5	52.5	63	75.7
78	78.1	62.8	56	39.3	22.5

Note: Temperature was simulated based on HELP V4 weather simulation for:
Lat/Long: 45.44/-93.83
Solar radiation was simulated based on HELP V4 weather simulation for:
Lat/Long: 45.44/-93.83

Daily Output for Year 1

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*		0.00	0.000	0.022	0.1991	4.9306	0.0704	6.45E-07
2			0.00	0.000	0.027	0.1980	4.7500	0.0677	6.20E-07
3			0.00	0.000	0.048	0.1958	4.5755	0.0651	5.95E-07
4			0.00	0.000	0.057	0.1933	4.4035	0.0625	5.71E-07
5			0.00	0.000	0.049	0.1913	4.2401	0.0602	5.49E-07
6			0.03	0.000	0.054	0.1904	4.0866	0.0579	5.27E-07
7			0.02	0.000	0.054	0.1888	3.9386	0.0558	5.07E-07
8			0.00	0.000	0.043	0.1869	3.7918	0.0537	4.87E-07
9			0.00	0.000	0.058	0.1845	3.6522	0.0517	4.68E-07
10			0.08	0.000	0.034	0.1864	3.5187	0.0499	4.50E-07
11			0.01	0.000	0.030	0.1853	3.3866	0.0480	4.32E-07
12			0.00	0.000	0.031	0.1838	3.2595	0.0462	4.15E-07
13	*		0.00	0.000	0.000	0.1837	3.1374	0.0444	3.98E-07
14	*		0.13	0.000	0.006	0.1845	3.0207	0.0428	3.83E-07
15	*		0.06	0.000	0.007	0.1852	2.9087	0.0412	3.68E-07
16	*		0.00	0.000	0.004	0.1860	2.8013	0.0397	3.54E-07
17	*		0.00	0.000	0.016	0.1867	2.6981	0.0382	3.40E-07
18	*		0.00	0.000	0.019	0.1875	2.5990	0.0368	3.27E-07
19	*		0.00	0.000	0.017	0.1882	2.5039	0.0355	3.14E-07
20			0.11	0.000	0.037	0.1913	2.4116	0.0342	3.02E-07
21			0.14	0.000	0.036	0.1957	2.3213	0.0329	2.91E-07
22	*		0.00	0.000	0.024	0.1946	2.2344	0.0317	2.79E-07
23	*		0.18	0.000	0.027	0.1954	2.1526	0.0305	2.69E-07
24			0.00	0.000	0.039	0.1994	2.0774	0.0294	2.59E-07

25			0.00	0.000	0.064	0.1967	2.0056	0.0284	2.50E-07
26	*		0.00	0.000	0.027	0.1956	1.9364	0.0274	2.41E-07
27	*		0.06	0.000	0.019	0.1964	1.8698	0.0265	2.32E-07
28			0.00	0.000	0.045	0.1953	1.8057	0.0256	2.24E-07
29	*		0.00	0.000	0.000	0.1953	1.7439	0.0247	2.16E-07
30	*		0.00	0.000	0.000	0.1953	1.6841	0.0239	2.08E-07
31	*		0.30	0.000	0.022	0.1961	1.6264	0.0230	2.01E-07
32			0.00	0.000	0.027	0.1969	1.5706	0.0223	1.94E-07
33			0.00	0.000	0.033	0.2041	1.5166	0.0215	1.87E-07
34			0.05	0.000	0.090	0.2024	1.4649	0.0208	1.80E-07
35	*		0.00	0.000	0.030	0.2011	1.4157	0.0201	1.74E-07
36	*		0.00	0.000	0.000	0.2011	1.3674	0.0194	1.68E-07
37			0.00	0.000	0.034	0.1996	1.3201	0.0187	1.62E-07
38	*		0.00	0.000	0.000	0.1995	1.2716	0.0180	1.56E-07
39	*	*	0.00	0.000	0.000	0.1995	1.2261	0.0174	1.50E-07
40	*	*	0.00	0.000	0.000	0.1995	1.1857	0.0168	1.45E-07
41	*	*	0.00	0.000	0.000	0.1995	1.1468	0.0162	1.40E-07
42	*	*	0.00	0.000	0.000	0.1995	1.1092	0.0157	1.36E-07
43	*	*	0.10	0.000	0.016	0.1995	1.0730	0.0152	1.31E-07
44	*	*	0.00	0.000	0.007	0.1995	1.0380	0.0147	1.27E-07
45	*	*	0.01	0.000	0.000	0.1995	1.0043	0.0142	1.23E-07
46	*	*	0.00	0.000	0.027	0.1995	0.9718	0.0138	1.19E-07
47	*	*	0.00	0.000	0.011	0.1995	0.9404	0.0133	1.15E-07
48	*	*	0.07	0.000	0.008	0.1995	0.9102	0.0129	1.11E-07
49	*	*	0.00	0.000	0.009	0.1995	0.8809	0.0125	1.07E-07
50	*	*	0.00	0.000	0.012	0.1995	0.8528	0.0121	1.04E-07
51	*	*	0.00	0.000	0.024	0.1995	0.8256	0.0117	1.00E-07
52	*	*	0.00	0.000	0.037	0.1995	0.7993	0.0113	9.72E-08
53	*	*	0.09	0.000	0.012	0.1995	0.7740	0.0110	9.41E-08
54	*	*	0.00	0.000	0.004	0.1995	0.7496	0.0106	9.11E-08
55	*	*	0.00	0.000	0.034	0.1995	0.7260	0.0103	8.82E-08
56	*	*	0.00	0.000	0.010	0.1995	0.7033	0.0100	8.53E-08

57	*	*	0.00	0.000	0.009	0.1995	0.6813	0.0097	8.26E-08
58		*	0.06	0.000	0.031	0.2027	0.6601	0.0094	8.00E-08
59	*	*	0.00	0.000	0.000	0.2027	0.6396	0.0091	7.75E-08
60	*	*	0.04	0.000	0.036	0.2027	0.6199	0.0088	7.51E-08
61	*	*	0.12	0.000	0.007	0.2027	0.6008	0.0085	7.28E-08
62	*	*	0.00	0.000	0.016	0.2027	0.5824	0.0083	7.05E-08
63	*	*	0.00	0.000	0.028	0.2027	0.5647	0.0080	6.83E-08
64	*	*	0.00	0.000	0.008	0.2027	0.5475	0.0078	6.62E-08
65	*	*	0.09	0.000	0.000	0.2027	0.5309	0.0075	6.42E-08
66	*	*	0.03	0.000	0.008	0.2027	0.5150	0.0073	6.22E-08
67		*	0.02	0.000	0.000	0.2036	0.4995	0.0071	6.04E-08
68		*	0.11	0.000	0.035	0.2142	0.4846	0.0069	5.85E-08
69		*	0.00	0.000	0.000	0.2142	0.4702	0.0067	5.68E-08
70		*	0.00	0.000	0.000	0.2142	0.4563	0.0065	5.51E-08
71		*	0.00	0.000	0.000	0.2142	0.4429	0.0063	5.34E-08
72	*	*	0.38	0.000	0.028	0.2142	0.4299	0.0061	5.19E-08
73		*	0.00	0.000	0.100	0.2246	0.4174	0.0059	5.03E-08
74		*	0.00	0.000	0.000	0.2246	0.4053	0.0057	4.89E-08
75		*	0.00	0.000	0.000	0.2246	0.3936	0.0056	4.74E-08
76		*	0.00	0.000	0.000	0.2246	0.3823	0.0054	4.61E-08
77		*	0.00	0.000	0.000	0.2246	0.3714	0.0053	4.47E-08
78		*	0.00	0.000	0.000	0.2246	0.3608	0.0051	4.35E-08
79		*	0.33	0.000	0.004	0.2380	0.3506	0.0050	4.22E-08
80		*	0.02	0.000	0.004	0.2388	0.3408	0.0048	4.10E-08
81		*	0.05	0.000	0.004	0.2407	0.3313	0.0047	3.99E-08
82	*	*	0.00	0.000	0.000	0.2407	0.3221	0.0046	3.88E-08
83		*	0.32	0.000	0.004	0.2538	0.3132	0.0044	3.77E-08
84		*	0.00	0.000	0.000	0.2538	0.3046	0.0043	3.66E-08
85			0.00	0.000	0.064	0.2509	0.2951	0.0042	3.55E-08
86	*		0.00	0.000	0.000	0.2508	0.2841	0.0040	3.42E-08
87	*		0.00	0.000	0.076	0.2475	0.2734	0.0039	3.29E-08
88	*		0.12	0.000	0.030	0.2482	0.2631	0.0037	3.16E-08

89	*	0.13	0.000	0.011	0.2490	0.2532	0.0036	3.04E-08
90	*	0.09	0.000	0.008	0.2497	0.2437	0.0035	2.93E-08
91	*	0.00	0.000	0.003	0.2505	0.2346	0.0033	2.82E-08
92	*	0.12	0.000	0.000	0.2512	0.2258	0.0032	2.71E-08
93	*	0.04	0.000	0.004	0.2520	0.2173	0.0031	2.61E-08
94	*	0.00	0.000	0.011	0.2527	0.2091	0.0030	2.51E-08
95		0.00	0.000	0.048	0.2630	0.2013	0.0029	2.42E-08
96		0.00	0.000	0.121	0.2577	0.1937	0.0027	2.32E-08
97		0.00	0.000	0.061	0.2551	0.1865	0.0026	2.24E-08
98		0.00	0.000	0.142	0.2491	0.1802	0.0026	2.16E-08
99		0.00	0.000	0.152	0.2427	0.1774	0.0025	2.13E-08
100		0.00	0.000	0.076	0.2396	0.1748	0.0025	2.10E-08
101		0.00	0.000	0.117	0.2347	0.1723	0.0024	2.07E-08
102		0.00	0.000	0.139	0.2289	0.1698	0.0024	2.04E-08
103	*	0.00	0.000	0.000	0.2289	0.1673	0.0024	2.01E-08
104	*	0.00	0.000	0.000	0.2289	0.1650	0.0023	1.98E-08
105	*	0.00	0.000	0.000	0.2289	0.1626	0.0023	1.95E-08
106	*	0.00	0.000	0.000	0.2289	0.1603	0.0023	1.92E-08
107	*	0.05	0.000	0.016	0.2297	0.1580	0.0022	1.89E-08
108		0.08	0.000	0.075	0.2306	0.1546	0.0022	1.85E-08
109		0.06	0.000	0.255	0.2223	0.1519	0.0022	1.82E-08
110		0.18	0.000	0.177	0.2224	0.1496	0.0021	1.79E-08
111		0.00	0.000	0.209	0.2134	0.1456	0.0021	1.75E-08
112		0.00	0.000	0.109	0.2087	0.1404	0.0020	1.68E-08
113		0.00	0.000	0.078	0.2055	0.1352	0.0019	1.62E-08
114		0.06	0.000	0.062	0.2052	0.1314	0.0019	1.57E-08
115		0.02	0.000	0.053	0.2036	0.1280	0.0018	1.53E-08
116		0.25	0.000	0.047	0.2121	0.1272	0.0018	1.52E-08
117		0.00	0.000	0.039	0.2105	0.1264	0.0018	1.51E-08
118		0.00	0.000	0.036	0.2090	0.1256	0.0018	1.50E-08
119		0.34	0.000	0.037	0.2215	0.1248	0.0018	1.50E-08
120		0.09	0.000	0.448	0.2057	0.1222	0.0017	1.46E-08

121		0.00	0.000	0.032	0.2044	0.1202	0.0017	1.44E-08
122		0.00	0.000	0.030	0.2030	0.1178	0.0017	1.41E-08
123		0.41	0.000	0.032	0.2187	0.1134	0.0016	1.36E-08
124		0.14	0.000	0.258	0.2132	0.1091	0.0015	1.31E-08
125		0.19	0.000	0.030	0.2196	0.1058	0.0015	1.27E-08
126		0.04	0.000	0.095	0.2167	0.1018	0.0014	1.22E-08
127		0.15	0.000	0.231	0.2127	0.0980	0.0014	1.17E-08
128		0.05	0.000	0.145	0.2081	0.0943	0.0013	1.13E-08
129		0.02	0.000	0.187	0.2010	0.0918	0.0013	1.10E-08
130		0.00	0.000	0.076	0.1975	0.0889	0.0013	1.06E-08
131		0.00	0.000	0.059	0.1946	0.0856	0.0012	1.02E-08
132		0.00	0.000	0.050	0.1920	0.0824	0.0012	9.85E-09
133	*	0.00	0.000	0.044	0.1897	0.0793	0.0011	9.48E-09
134	*	0.00	0.000	0.000	0.1891	0.0763	0.0011	9.13E-09
135		0.00	0.000	0.040	0.1869	0.0734	0.0010	8.78E-09
136		0.00	0.000	0.037	0.1849	0.0707	0.0010	8.45E-09
137		0.00	0.000	0.035	0.1829	0.0680	0.0010	8.13E-09
138		0.01	0.000	0.035	0.1813	0.0655	0.0009	7.83E-09
139		0.26	0.000	0.034	0.1904	0.0630	0.0009	7.53E-09
140		0.42	0.000	0.032	0.2063	0.0606	0.0009	7.26E-09
141		0.00	0.000	0.116	0.2011	0.0584	0.0008	7.16E-09
142		0.00	0.000	0.030	0.1994	0.0562	0.0008	7.15E-09
143		0.00	0.000	0.029	0.1978	0.0541	0.0008	7.14E-09
144		0.19	0.000	0.030	0.2040	0.0521	0.0007	7.12E-09
145		0.29	0.000	0.168	0.2087	0.0502	0.0007	7.11E-09
146		0.08	0.000	0.117	0.2071	0.0484	0.0007	7.10E-09
147		0.03	0.000	0.115	0.2032	0.0467	0.0007	7.09E-09
148		0.20	0.000	0.143	0.2052	0.0452	0.0006	7.08E-09
149		0.00	0.000	0.124	0.1997	0.0437	0.0006	7.07E-09
150		0.00	0.000	0.188	0.1913	0.0424	0.0006	7.06E-09
151		0.00	0.000	0.079	0.1875	0.0411	0.0006	7.05E-09
152		0.00	0.000	0.062	0.1845	0.0400	0.0006	7.05E-09

153	0.00	0.000	0.052	0.1819	0.0389	0.0006	7.04E-09
154	0.00	0.000	0.047	0.1796	0.0379	0.0005	7.03E-09
155	0.34	0.000	0.046	0.1916	0.0370	0.0005	7.03E-09
156	0.03	0.000	0.047	0.1907	0.0362	0.0005	7.02E-09
157	0.44	0.000	0.043	0.2069	0.0355	0.0005	7.02E-09
158	0.00	0.000	0.248	0.1961	0.0348	0.0005	7.02E-09
159	0.51	0.000	0.245	0.2066	0.0342	0.0005	7.01E-09
160	0.01	0.000	0.132	0.2010	0.0337	0.0005	7.01E-09
161	0.11	0.000	0.316	0.1921	0.0343	0.0005	7.01E-09
162	0.04	0.000	0.125	0.1882	0.0342	0.0005	7.01E-09
163	0.00	0.000	0.087	0.1843	0.0349	0.0005	7.02E-09
164	0.00	0.000	0.072	0.1811	0.0382	0.0005	7.04E-09
165	0.33	0.000	0.068	0.1919	0.0430	0.0006	7.07E-09
166	0.00	0.000	0.184	0.1839	0.0459	0.0006	7.08E-09
167	0.19	0.000	0.059	0.1890	0.0472	0.0007	7.09E-09
168	0.02	0.000	0.049	0.1878	0.0521	0.0007	7.12E-09
169	0.00	0.000	0.043	0.1859	0.0568	0.0008	7.15E-09
170	0.50	0.000	0.046	0.2045	0.0613	0.0009	7.34E-09
171	0.03	0.000	0.308	0.1927	0.0633	0.0009	7.57E-09
172	0.57	0.000	0.305	0.2037	0.0642	0.0009	7.67E-09
173	0.02	0.000	0.144	0.1983	0.0679	0.0010	8.12E-09
174	0.00	0.000	0.291	0.1862	0.0719	0.0010	8.60E-09
175	0.02	0.000	0.209	0.1783	0.0756	0.0011	9.05E-09
176	0.14	0.000	0.106	0.1797	0.0792	0.0011	9.47E-09
177	0.00	0.000	0.085	0.1762	0.0826	0.0012	9.88E-09
178	0.63	0.000	0.082	0.1991	0.0858	0.0012	1.03E-08
179	0.00	0.000	0.239	0.1891	0.0888	0.0013	1.06E-08
180	0.00	0.000	0.283	0.1773	0.0917	0.0013	1.10E-08
181	0.00	0.000	0.222	0.1681	0.0944	0.0013	1.13E-08
182	0.00	0.000	0.119	0.1631	0.0970	0.0014	1.16E-08
183	0.00	0.000	0.108	0.1586	0.0994	0.0014	1.19E-08
184	0.00	0.000	0.100	0.1544	0.1017	0.0014	1.22E-08

185	0.00	0.000	0.106	0.1502	0.1038	0.0015	1.24E-08
186	0.00	0.000	0.083	0.1467	0.1059	0.0015	1.27E-08
187	0.00	0.000	0.113	0.1420	0.1078	0.0015	1.29E-08
188	0.00	0.000	0.109	0.1375	0.1096	0.0016	1.31E-08
189	0.00	0.000	0.109	0.1330	0.1113	0.0016	1.33E-08
190	0.00	0.000	0.124	0.1278	0.1129	0.0016	1.35E-08
191	0.03	0.000	0.137	0.1234	0.1144	0.0016	1.37E-08
192	0.00	0.000	0.136	0.1177	0.1158	0.0016	1.39E-08
193	0.02	0.000	0.140	0.1128	0.1171	0.0017	1.40E-08
194	0.21	0.000	0.084	0.1182	0.1183	0.0017	1.42E-08
195	0.12	0.000	0.141	0.1175	0.1194	0.0017	1.43E-08
196	0.02	0.000	0.085	0.1147	0.1205	0.0017	1.44E-08
197	0.00	0.000	0.137	0.1090	0.1214	0.0017	1.45E-08
198	0.00	0.000	0.170	0.1019	0.1223	0.0017	1.47E-08
199	0.00	0.000	0.102	0.0977	0.1232	0.0017	1.48E-08
200	0.31	0.000	0.100	0.1064	0.1239	0.0018	1.48E-08
201	0.17	0.000	0.099	0.1095	0.1246	0.0018	1.49E-08
202	0.00	0.000	0.167	0.1025	0.1253	0.0018	1.50E-08
203	0.00	0.000	0.160	0.0959	0.1258	0.0018	1.51E-08
204	0.00	0.000	0.167	0.0889	0.1264	0.0018	1.51E-08
205	0.08	0.000	0.097	0.0881	0.1268	0.0018	1.52E-08
206	0.17	0.000	0.167	0.0883	0.1272	0.0018	1.52E-08
207	0.00	0.000	0.257	0.0776	0.1276	0.0018	1.53E-08
208	0.00	0.000	0.098	0.0735	0.1279	0.0018	1.53E-08
209	0.11	0.000	0.104	0.0737	0.1282	0.0018	1.54E-08
210	0.00	0.000	0.112	0.0690	0.1284	0.0018	1.54E-08
211	0.00	0.000	0.101	0.0642	0.1277	0.0018	1.53E-08
212	0.00	0.000	0.109	0.0571	0.1267	0.0018	1.52E-08
213	0.00	0.000	0.097	0.0524	0.1238	0.0018	1.48E-08
214	0.00	0.000	0.078	0.0483	0.1226	0.0017	1.47E-08
215	0.09	0.000	0.045	0.0501	0.1224	0.0017	1.47E-08
216	0.00	0.000	0.020	0.0493	0.1227	0.0017	1.47E-08

217	0.07	0.000	0.039	0.0506	0.1230	0.0017	1.47E-08
218	0.04	0.000	0.036	0.0507	0.1233	0.0017	1.48E-08
219	0.07	0.000	0.035	0.0520	0.1236	0.0018	1.48E-08
220	0.00	0.000	0.009	0.0516	0.1238	0.0018	1.48E-08
221	0.42	0.000	0.074	0.0660	0.1240	0.0018	1.48E-08
222	0.23	0.000	0.141	0.0699	0.1241	0.0018	1.49E-08
223	0.10	0.000	0.137	0.0685	0.1242	0.0018	1.49E-08
224	0.47	0.000	0.101	0.0839	0.1242	0.0018	1.49E-08
225	0.00	0.000	0.107	0.0793	0.1228	0.0017	1.47E-08
226	0.00	0.000	0.176	0.0720	0.1220	0.0017	1.46E-08
227	0.00	0.000	0.117	0.0671	0.1221	0.0017	1.46E-08
228	0.05	0.000	0.134	0.0635	0.1222	0.0017	1.46E-08
229	0.00	0.000	0.157	0.0570	0.1222	0.0017	1.46E-08
230	0.16	0.000	0.161	0.0571	0.1222	0.0017	1.46E-08
231	0.00	0.000	0.077	0.0533	0.1208	0.0017	1.45E-08
232	0.04	0.000	0.063	0.0523	0.1200	0.0017	1.44E-08
233	0.54	0.000	0.104	0.0704	0.1200	0.0017	1.44E-08
234	1.95	0.000	0.199	0.1434	0.1186	0.0017	1.42E-08
235	0.00	0.000	0.191	0.1354	0.1178	0.0017	1.41E-08
236	0.00	0.000	0.207	0.1268	0.1179	0.0017	1.41E-08
237	0.00	0.000	0.237	0.1169	0.1180	0.0017	1.41E-08
238	0.00	0.000	0.214	0.1080	0.1180	0.0017	1.41E-08
239	0.00	0.000	0.173	0.1008	0.1180	0.0017	1.41E-08
240	0.00	0.000	0.099	0.0967	0.1180	0.0017	1.41E-08
241	0.17	0.000	0.102	0.0993	0.1179	0.0017	1.41E-08
242	0.00	0.000	0.234	0.0883	0.1151	0.0016	1.38E-08
243	0.00	0.000	0.125	0.0825	0.1108	0.0016	1.33E-08
244	0.46	0.000	0.113	0.0969	0.1091	0.0015	1.31E-08
245	0.03	0.000	0.140	0.0918	0.1078	0.0015	1.29E-08
246	0.00	0.000	0.183	0.0831	0.1062	0.0015	1.27E-08
247	0.00	0.000	0.105	0.0780	0.1022	0.0014	1.22E-08
248	0.00	0.000	0.092	0.0735	0.0998	0.0014	1.19E-08

249		0.00	0.000	0.066	0.0703	0.0969	0.0014	1.16E-08
250		0.00	0.000	0.052	0.0681	0.0949	0.0013	1.14E-08
251		0.00	0.000	0.040	0.0664	0.0959	0.0014	1.15E-08
252		0.00	0.000	0.036	0.0648	0.0964	0.0014	1.15E-08
253		0.00	0.000	0.036	0.0632	0.0937	0.0013	1.12E-08
254		0.00	0.000	0.030	0.0618	0.0901	0.0013	1.08E-08
255		0.00	0.000	0.027	0.0604	0.0870	0.0012	1.04E-08
256		0.00	0.000	0.026	0.0592	0.0850	0.0012	1.02E-08
257		0.05	0.000	0.045	0.0592	0.0839	0.0012	1.00E-08
258		0.04	0.000	0.044	0.0589	0.0837	0.0012	1.00E-08
259		0.00	0.000	0.022	0.0579	0.0844	0.0012	1.01E-08
260		0.00	0.000	0.021	0.0570	0.0854	0.0012	1.02E-08
261		0.00	0.000	0.020	0.0561	0.0864	0.0012	1.03E-08
262		0.13	0.000	0.045	0.0589	0.0854	0.0012	1.02E-08
263		0.08	0.000	0.043	0.0599	0.0839	0.0012	1.00E-08
264		0.00	0.000	0.020	0.0586	0.0821	0.0012	9.83E-09
265		0.07	0.000	0.041	0.0593	0.0791	0.0011	9.46E-09
266		0.77	0.000	0.043	0.0895	0.0771	0.0011	9.22E-09
267		0.24	0.000	0.132	0.0939	0.0777	0.0011	9.29E-09
268		0.27	0.000	0.086	0.1009	0.0776	0.0011	9.28E-09
269		0.05	0.000	0.053	0.1008	0.0775	0.0011	9.28E-09
270		0.22	0.000	0.045	0.1082	0.0792	0.0011	9.47E-09
271		0.01	0.000	0.041	0.1069	0.0807	0.0011	9.66E-09
272		2.27	0.000	0.070	0.1986	0.0822	0.0012	9.84E-09
273		0.55	0.000	0.073	0.2186	0.0836	0.0012	1.00E-08
274		0.00	0.000	0.029	0.2174	0.0849	0.0012	1.02E-08
275		0.02	0.000	0.075	0.2150	0.0862	0.0012	1.03E-08
276		0.06	0.000	0.128	0.2123	0.0873	0.0012	1.05E-08
277		0.02	0.000	0.056	0.2104	0.0868	0.0012	1.04E-08
278		0.04	0.000	0.056	0.2096	0.0863	0.0012	1.03E-08
279		0.00	0.000	0.055	0.2073	0.0874	0.0012	1.05E-08
280	*	0.00	0.000	0.000	0.2073	0.0885	0.0013	1.06E-08

281	*	0.02	0.000	0.019	0.2073	0.0895	0.0013	1.07E-08
282	*	0.00	0.000	0.002	0.2073	0.0904	0.0013	1.08E-08
283	*	0.00	0.000	0.000	0.2073	0.0913	0.0013	1.09E-08
284	*	0.00	0.000	0.000	0.2073	0.0921	0.0013	1.10E-08
285	*	0.82	0.000	0.010	0.2081	0.0929	0.0013	1.11E-08
286	*	0.00	0.000	0.018	0.2089	0.0936	0.0013	1.12E-08
287		0.00	0.000	0.000	0.2404	0.0943	0.0013	1.13E-08
288		0.05	0.000	0.150	0.2362	0.0949	0.0013	1.14E-08
289		0.50	0.000	0.067	0.2543	0.0952	0.0013	1.14E-08
290	*	0.17	0.000	0.043	0.2551	0.0950	0.0013	1.14E-08
291	*	0.00	0.000	0.024	0.2557	0.0948	0.0013	1.13E-08
292		0.02	0.000	0.062	0.2565	0.0918	0.0013	1.10E-08
293		0.18	0.000	0.115	0.2594	0.0917	0.0013	1.10E-08
294		0.03	0.000	0.101	0.2564	0.0924	0.0013	1.11E-08
295		0.15	0.000	0.043	0.2606	0.0930	0.0013	1.11E-08
296		0.00	0.000	0.094	0.2567	0.0926	0.0013	1.11E-08
297		1.04	0.000	0.105	0.2956	0.0931	0.0013	1.11E-08
298		0.11	0.000	0.193	0.2921	0.0937	0.0013	1.12E-08
299		0.18	0.000	0.270	0.2883	0.0942	0.0013	1.13E-08
300		0.04	0.000	0.114	0.2851	0.0937	0.0013	1.12E-08
301		0.00	0.000	0.369	0.2698	0.0942	0.0013	1.13E-08
302		0.00	0.000	0.056	0.2674	0.0946	0.0013	1.13E-08
303		0.03	0.000	0.051	0.2665	0.0950	0.0013	1.14E-08
304	*	0.00	0.000	0.000	0.2665	0.0954	0.0014	1.14E-08
305	*	0.00	0.000	0.000	0.2665	0.0957	0.0014	1.15E-08
306	*	0.00	0.000	0.000	0.2665	0.0960	0.0014	1.15E-08
307	*	0.00	0.000	0.000	0.2665	0.0963	0.0014	1.15E-08
308	*	0.00	0.000	0.000	0.2665	0.0965	0.0014	1.16E-08
309	*	0.00	0.000	0.000	0.2665	0.0967	0.0014	1.16E-08
310		0.00	0.000	0.041	0.2648	0.0969	0.0014	1.16E-08
311		0.00	0.000	0.033	0.2629	0.0957	0.0014	1.15E-08
312		0.13	0.000	0.036	0.2656	0.0921	0.0013	1.10E-08

313		0.00	0.000	0.026	0.2628	0.0887	0.0013	1.06E-08
314	*	0.05	0.000	0.013	0.2618	0.0854	0.0012	1.02E-08
315	*	0.04	0.000	0.003	0.2607	0.0822	0.0012	9.83E-09
316	*	0.20	0.000	0.001	0.2597	0.0791	0.0011	9.46E-09
317	*	0.07	0.000	0.006	0.2588	0.0761	0.0011	9.10E-09
318	*	0.00	0.000	0.002	0.2580	0.0732	0.0010	8.76E-09
319	*	0.00	0.000	0.010	0.2572	0.0705	0.0010	8.43E-09
320	*	0.00	0.000	0.023	0.2565	0.0678	0.0010	8.11E-09
321	*	0.00	0.000	0.025	0.2559	0.0653	0.0009	7.81E-09
322		0.00	0.000	0.061	0.2571	0.0628	0.0009	7.52E-09
323		0.05	0.000	0.044	0.2562	0.0605	0.0009	7.24E-09
324		0.00	0.000	0.054	0.2526	0.0582	0.0008	7.16E-09
325		0.00	0.000	0.033	0.2498	0.0560	0.0008	7.15E-09
326		0.00	0.000	0.065	0.2459	0.0539	0.0008	7.14E-09
327		0.00	0.000	0.105	0.2403	0.0519	0.0007	7.12E-09
328	*	0.00	0.000	0.019	0.2382	0.0500	0.0007	7.11E-09
329	*	0.00	0.000	0.000	0.2370	0.0481	0.0007	7.10E-09
330		0.00	0.000	0.022	0.2353	0.0480	0.0007	7.10E-09
331		0.00	0.000	0.044	0.2325	0.0494	0.0007	7.11E-09
332	*	0.00	0.000	0.000	0.2319	0.0518	0.0007	7.12E-09
333		0.01	0.000	0.043	0.2299	0.0542	0.0008	7.14E-09
334		0.00	0.000	0.028	0.2280	0.0566	0.0008	7.15E-09
335		0.00	0.000	0.027	0.2264	0.0588	0.0008	7.17E-09
336		0.27	0.000	0.039	0.2353	0.0609	0.0009	7.29E-09
337		0.00	0.000	0.050	0.2322	0.0627	0.0009	7.50E-09
338		0.14	0.000	0.075	0.2337	0.0630	0.0009	7.54E-09
339		0.01	0.000	0.082	0.2297	0.0635	0.0009	7.60E-09
340		0.00	0.000	0.180	0.2212	0.0654	0.0009	7.83E-09
341		0.00	0.000	0.091	0.2167	0.0672	0.0010	8.04E-09
342		0.04	0.000	0.091	0.2142	0.0690	0.0010	8.25E-09
343		0.00	0.000	0.056	0.2115	0.0706	0.0010	8.44E-09
344		0.00	0.000	0.049	0.2090	0.0721	0.0010	8.63E-09

345		0.00	0.000	0.035	0.2069	0.0736	0.0010	8.80E-09
346		0.00	0.000	0.033	0.2049	0.0750	0.0011	8.97E-09
347		0.00	0.000	0.052	0.2020	0.0763	0.0011	9.13E-09
348	*	0.00	0.000	0.019	0.2007	0.0775	0.0011	9.27E-09
349	*	0.01	0.000	0.009	0.2002	0.0787	0.0011	9.41E-09
350	*	0.00	0.000	0.000	0.1997	0.0798	0.0011	9.55E-09
351	*	0.00	0.000	0.000	0.1992	0.0808	0.0011	9.67E-09
352		0.00	0.000	0.023	0.1976	0.0818	0.0012	9.79E-09
353	*	0.00	0.000	0.000	0.1972	0.0827	0.0012	9.90E-09
354		0.00	0.000	0.024	0.1957	0.0836	0.0012	1.00E-08
355		0.00	0.000	0.027	0.1940	0.0844	0.0012	1.01E-08
356		0.29	0.000	0.035	0.2042	0.0852	0.0012	1.02E-08
357	*	0.04	0.000	0.010	0.2046	0.0859	0.0012	1.03E-08
358	*	0.22	0.000	0.004	0.2050	0.0866	0.0012	1.04E-08
359	*	0.00	0.000	0.009	0.2055	0.0872	0.0012	1.04E-08
360		0.00	0.000	0.007	0.2125	0.0878	0.0012	1.05E-08
361		0.00	0.000	0.028	0.2109	0.0883	0.0013	1.06E-08
362		0.09	0.000	0.057	0.2118	0.0888	0.0013	1.06E-08
363		0.04	0.000	0.040	0.2115	0.0893	0.0013	1.07E-08
364		0.00	0.000	0.049	0.2091	0.0897	0.0013	1.07E-08
365		0.01	0.000	0.045	0.2073	0.0901	0.0013	1.08E-08

* = Frozen (air or soil)

Annual Totals for Year 1			
	inches	cubic feet	percent
Precipitation	27.16	829,230.6	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	24.832	758,081.2	91.42
Drainage Collected from Layer 2	2.2668	69,200.3	8.35
Percolation/Leakage through Layer 4	0.000020	0.6103	0.00

Average Head on Top of Layer 3	0.4381	---	---
Change in Water Storage	0.0638	1,948.4	0.23
Soil Water at Start of Year	50.5875	1,544,349.2	186.24
Soil Water at End of Year	50.6513	1,546,297.6	186.47
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 2

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*		0.00	0.000	0.000	0.2070	0.0905	0.0013	1.08E-08
2	*		0.00	0.000	0.024	0.2057	0.0908	0.0013	1.09E-08
3	*		0.14	0.000	0.018	0.2062	0.0911	0.0013	1.09E-08
4	*		0.05	0.000	0.013	0.2067	0.0914	0.0013	1.09E-08
5			0.01	0.000	0.015	0.2115	0.0916	0.0013	1.10E-08
6	*		0.08	0.000	0.010	0.2120	0.0918	0.0013	1.10E-08
7	*		0.01	0.000	0.009	0.2125	0.0920	0.0013	1.10E-08
8	*	*	0.00	0.000	0.000	0.2125	0.0922	0.0013	1.10E-08
9	*	*	0.00	0.000	0.021	0.2125	0.0923	0.0013	1.11E-08
10	*	*	0.00	0.000	0.012	0.2125	0.0925	0.0013	1.11E-08
11	*	*	0.00	0.000	0.000	0.2125	0.0926	0.0013	1.11E-08
12	*	*	0.00	0.000	0.000	0.2125	0.0919	0.0013	1.10E-08
13	*	*	0.00	0.000	0.000	0.2125	0.0886	0.0013	1.06E-08
14	*	*	0.00	0.000	0.000	0.2125	0.0853	0.0012	1.02E-08
15	*	*	0.12	0.000	0.003	0.2125	0.0821	0.0012	9.82E-09
16	*	*	0.00	0.000	0.013	0.2125	0.0790	0.0011	9.45E-09
17	*	*	0.00	0.000	0.011	0.2125	0.0760	0.0011	9.10E-09
18	*	*	0.00	0.000	0.009	0.2125	0.0732	0.0010	8.75E-09
19	*	*	0.00	0.000	0.026	0.2125	0.0704	0.0010	8.42E-09
20	*	*	0.08	0.000	0.010	0.2125	0.0678	0.0010	8.11E-09
21	*	*	0.00	0.000	0.010	0.2125	0.0652	0.0009	7.80E-09
22	*	*	0.01	0.000	0.016	0.2125	0.0628	0.0009	7.51E-09
23		*	0.05	0.000	0.017	0.2183	0.0604	0.0009	7.24E-09
24		*	0.02	0.000	0.006	0.2189	0.0582	0.0008	7.16E-09

25		*	0.12	0.000	0.006	0.2237	0.0560	0.0008	7.15E-09
26		*	0.05	0.000	0.006	0.2255	0.0539	0.0008	7.14E-09
27		*	0.00	0.000	0.000	0.2255	0.0519	0.0007	7.12E-09
28		*	0.00	0.000	0.000	0.2255	0.0499	0.0007	7.11E-09
29	*	*	0.00	0.000	0.000	0.2255	0.0480	0.0007	7.10E-09
30	*	*	0.00	0.000	0.000	0.2255	0.0462	0.0007	7.09E-09
31	*	*	0.00	0.000	0.000	0.2255	0.0445	0.0006	7.08E-09
32	*	*	0.00	0.000	0.000	0.2255	0.0428	0.0006	7.07E-09
33	*	*	0.00	0.000	0.000	0.2255	0.0412	0.0006	7.06E-09
34	*	*	0.33	0.000	0.005	0.2255	0.0397	0.0006	7.05E-09
35	*	*	0.00	0.000	0.019	0.2255	0.0382	0.0005	7.04E-09
36		*	0.06	0.000	0.004	0.2402	0.0368	0.0005	7.03E-09
37		*	0.02	0.000	0.005	0.2409	0.0354	0.0005	7.02E-09
38	*	*	0.21	0.000	0.025	0.2409	0.0340	0.0005	7.01E-09
39	*	*	0.00	0.000	0.012	0.2409	0.0328	0.0005	7.00E-09
40		*	0.00	0.000	0.029	0.2440	0.0315	0.0004	6.99E-09
41	*	*	0.05	0.000	0.012	0.2440	0.0304	0.0004	6.99E-09
42	*	*	0.10	0.000	0.015	0.2440	0.0292	0.0004	6.98E-09
43		*	0.00	0.000	0.034	0.2504	0.0281	0.0004	6.97E-09
44		*	0.00	0.000	0.001	0.2504	0.0271	0.0004	6.97E-09
45		*	0.00	0.000	0.000	0.2504	0.0260	0.0004	6.96E-09
46	*	*	0.02	0.000	0.022	0.2504	0.0251	0.0004	6.95E-09
47	*	*	0.00	0.000	0.001	0.2504	0.0241	0.0003	6.95E-09
48		*	0.00	0.000	0.000	0.2504	0.0232	0.0003	6.94E-09
49	*	*	0.00	0.000	0.000	0.2504	0.0223	0.0003	6.94E-09
50		*	0.03	0.000	0.005	0.2512	0.0215	0.0003	6.93E-09
51		*	0.06	0.000	0.005	0.2534	0.0207	0.0003	6.93E-09
52		*	0.00	0.000	0.000	0.2534	0.0199	0.0003	6.92E-09
53	*	*	0.00	0.000	0.000	0.2534	0.0192	0.0003	6.92E-09
54	*	*	0.00	0.000	0.000	0.2534	0.0185	0.0003	6.91E-09
55	*	*	0.00	0.000	0.000	0.2534	0.0178	0.0003	6.91E-09
56	*	*	0.00	0.000	0.000	0.2534	0.0171	0.0002	6.91E-09

57	*	*	0.00	0.000	0.000	0.2534	0.0165	0.0002	6.90E-09
58		*	0.00	0.000	0.000	0.2534	0.0158	0.0002	6.90E-09
59		*	0.00	0.000	0.000	0.2534	0.0152	0.0002	6.89E-09
60	*	*	0.00	0.000	0.000	0.2534	0.0147	0.0002	6.89E-09
61	*	*	0.00	0.000	0.000	0.2534	0.0141	0.0002	6.89E-09
62		*	0.00	0.000	0.000	0.2534	0.0136	0.0002	6.88E-09
63		*	0.00	0.000	0.000	0.2534	0.0131	0.0002	6.88E-09
64		*	0.00	0.000	0.000	0.2534	0.0126	0.0002	6.88E-09
65		*	0.00	0.000	0.000	0.2534	0.0121	0.0002	6.88E-09
66		*	0.00	0.000	0.000	0.2534	0.0117	0.0002	6.87E-09
67		*	0.00	0.000	0.000	0.2534	0.0112	0.0002	6.87E-09
68		*	0.13	0.000	0.005	0.2585	0.0108	0.0002	6.87E-09
69	*	*	0.00	0.000	0.000	0.2585	0.0104	0.0001	6.87E-09
70	*	*	0.00	0.000	0.000	0.2585	0.0100	0.0001	6.86E-09
71		*	0.00	0.000	0.000	0.2585	0.0096	0.0001	6.86E-09
72	*	*	0.00	0.000	0.000	0.2585	0.0093	0.0001	6.86E-09
73	*	*	0.00	0.000	0.000	0.2585	0.0089	0.0001	6.86E-09
74	*	*	0.00	0.000	0.000	0.2585	0.0086	0.0001	6.85E-09
75		*	0.15	0.000	0.004	0.2644	0.0083	0.0001	6.85E-09
76		*	0.03	0.000	0.004	0.2653	0.0080	0.0001	6.85E-09
77		*	0.04	0.000	0.004	0.2669	0.0077	0.0001	6.85E-09
78		*	0.12	0.000	0.004	0.2719	0.0074	0.0001	6.85E-09
79	*	*	0.85	0.000	0.029	0.2719	0.0071	0.0001	6.85E-09
80		*	0.00	0.000	0.000	0.2959	0.0068	0.0001	6.84E-09
81		*	0.00	0.000	0.053	0.3038	0.0066	0.0001	6.84E-09
82	*	*	0.00	0.000	0.000	0.3038	0.0063	0.0001	6.84E-09
83	*	*	0.00	0.000	0.000	0.3038	0.0061	0.0001	6.84E-09
84	*	*	0.00	0.000	0.000	0.3038	0.0059	0.0001	6.84E-09
85	*	*	0.00	0.000	0.000	0.3038	0.0056	0.0001	6.84E-09
86	*	*	0.00	0.000	0.000	0.3038	0.0054	0.0001	6.84E-09
87	*	*	0.01	0.000	0.006	0.3038	0.0052	0.0001	6.83E-09
88	*	*	0.04	0.000	0.000	0.3038	0.0050	0.0001	6.83E-09

89		*	0.00	0.000	0.049	0.3038	0.0048	0.0001	6.83E-09
90		*	0.00	0.000	0.000	0.3038	0.0047	0.0001	6.83E-09
91		*	0.06	0.000	0.004	0.3062	0.0045	0.0001	6.83E-09
92		*	1.19	0.000	0.004	0.3556	0.0043	0.0001	6.83E-09
93	*	*	0.00	0.000	0.000	0.3556	0.0041	0.0001	6.83E-09
94	*	*	0.00	0.000	0.000	0.3556	0.0040	0.0001	6.83E-09
95		*	0.00	0.000	0.000	0.3556	0.0038	0.0001	6.83E-09
96		*	0.00	0.000	0.000	0.3556	0.0037	0.0001	6.83E-09
97	*	*	0.05	0.000	0.018	0.3556	0.0036	0.0001	6.82E-09
98	*	*	0.15	0.000	0.046	0.3556	0.0034	0.0000	6.82E-09
99	*	*	0.00	0.000	0.044	0.3556	0.0033	0.0000	6.82E-09
100	*	*	0.01	0.000	0.000	0.3556	0.0032	0.0000	6.82E-09
101	*	*	0.00	0.000	0.061	0.3556	0.0031	0.0000	6.82E-09
102		*	0.52	0.000	0.004	0.3786	0.0029	0.0000	6.82E-09
103		*	0.00	0.000	0.000	0.3786	0.0028	0.0000	6.82E-09
104		*	0.02	0.000	0.004	0.3793	0.0028	0.0000	6.82E-09
105		*	0.00	0.000	0.000	0.3793	0.0029	0.0000	6.82E-09
106		*	0.00	0.000	0.000	0.3793	0.0030	0.0000	6.82E-09
107		*	0.55	0.000	0.004	0.4020	0.0033	0.0000	6.82E-09
108		*	0.01	0.000	0.003	0.4022	0.0036	0.0001	6.82E-09
109	*	*	0.00	0.000	0.000	0.4022	0.0039	0.0001	6.83E-09
110		*	0.00	0.000	0.000	0.4022	0.0044	0.0001	6.83E-09
111	*	*	0.00	0.000	0.000	0.4022	0.0049	0.0001	6.83E-09
112		*	0.00	0.000	0.000	0.4022	0.0054	0.0001	6.84E-09
113		*	0.00	0.000	0.000	0.4022	0.0060	0.0001	6.84E-09
114		*	0.48	0.000	0.004	0.4222	0.0067	0.0001	6.84E-09
115	*	*	0.10	0.000	0.101	0.4222	0.0074	0.0001	6.85E-09
116		*	0.07	0.000	0.004	0.4248	0.0081	0.0001	6.85E-09
117		*	0.00	0.000	0.002	0.4249	0.0089	0.0001	6.86E-09
118		*	0.00	0.000	0.000	0.4249	0.0098	0.0001	6.86E-09
119		*	0.00	0.000	0.000	0.4249	0.0107	0.0002	6.87E-09
120		*	0.00	0.000	0.000	0.4249	0.0116	0.0002	6.87E-09

121		*	0.08	0.000	0.003	0.4282	0.0125	0.0002	6.88E-09
122			0.31	0.000	0.085	0.4371	0.0131	0.0002	6.88E-09
123			0.01	0.000	0.285	0.3798	0.0140	0.0002	6.89E-09
124			0.57	0.000	0.230	0.3683	0.0136	0.0002	6.88E-09
125			0.00	0.000	0.246	0.3444	0.0131	0.0002	6.88E-09
126			0.00	0.000	0.093	0.3289	0.0140	0.0002	6.89E-09
127			0.00	0.000	0.063	0.3164	0.0171	0.0002	6.91E-09
128	*		0.58	0.000	0.033	0.3111	0.0201	0.0003	6.92E-09
129			0.04	0.000	0.000	0.3077	0.0230	0.0003	6.94E-09
130			0.00	0.000	0.110	0.3221	0.0257	0.0004	6.96E-09
131			0.04	0.000	0.084	0.3160	0.0284	0.0004	6.98E-09
132			0.00	0.000	0.075	0.3090	0.0309	0.0004	6.99E-09
133			0.00	0.000	0.148	0.2994	0.0331	0.0005	7.00E-09
134			0.00	0.000	0.077	0.2920	0.0326	0.0005	7.00E-09
135			0.00	0.000	0.076	0.2849	0.0314	0.0004	6.99E-09
136	*		0.00	0.000	0.065	0.2783	0.0302	0.0004	6.99E-09
137			0.11	0.000	0.064	0.2777	0.0291	0.0004	6.98E-09
138			0.08	0.000	0.095	0.2745	0.0280	0.0004	6.97E-09
139			0.00	0.000	0.236	0.2630	0.0269	0.0004	6.97E-09
140			0.21	0.000	0.232	0.2603	0.0259	0.0004	6.96E-09
141			0.00	0.000	0.106	0.2540	0.0249	0.0004	6.95E-09
142	*		0.55	0.000	0.059	0.2535	0.0240	0.0003	6.95E-09
143			0.00	0.000	0.122	0.2671	0.0231	0.0003	6.94E-09
144			0.13	0.000	0.219	0.2620	0.0222	0.0003	6.94E-09
145			0.00	0.000	0.220	0.2518	0.0214	0.0003	6.93E-09
146			0.02	0.000	0.102	0.2468	0.0206	0.0003	6.93E-09
147	*		0.03	0.000	0.063	0.2441	0.0198	0.0003	6.92E-09
148			2.14	0.000	0.158	0.3256	0.0191	0.0003	6.92E-09
149			0.00	0.000	0.165	0.3182	0.0184	0.0003	6.91E-09
150			0.00	0.000	0.286	0.3049	0.0177	0.0003	6.91E-09
151			0.00	0.000	0.162	0.2960	0.0184	0.0003	6.91E-09
152			0.00	0.000	0.179	0.2876	0.0198	0.0003	6.92E-09

153	0.01	0.000	0.162	0.2812	0.0191	0.0003	6.92E-09
154	0.00	0.000	0.142	0.2754	0.0184	0.0003	6.91E-09
155	0.00	0.000	0.127	0.2682	0.0177	0.0003	6.91E-09
156	0.00	0.000	0.186	0.2565	0.0170	0.0002	6.91E-09
157	0.00	0.000	0.079	0.2487	0.0164	0.0002	6.90E-09
158	0.00	0.000	0.061	0.2420	0.0158	0.0002	6.90E-09
159	0.00	0.000	0.051	0.2367	0.0175	0.0002	6.91E-09
160	0.00	0.000	0.046	0.2324	0.0206	0.0003	6.93E-09
161	0.00	0.000	0.040	0.2285	0.0235	0.0003	6.95E-09
162	0.01	0.000	0.045	0.2250	0.0263	0.0004	6.96E-09
163	0.31	0.000	0.044	0.2341	0.0290	0.0004	6.98E-09
164	0.01	0.000	0.041	0.2307	0.0316	0.0004	7.00E-09
165	0.11	0.000	0.042	0.2316	0.0340	0.0005	7.01E-09
166	0.24	0.000	0.038	0.2383	0.0364	0.0005	7.03E-09
167	0.03	0.000	0.035	0.2364	0.0386	0.0005	7.04E-09
168	0.46	0.000	0.037	0.2525	0.0407	0.0006	7.05E-09
169	0.49	0.000	0.271	0.2600	0.0428	0.0006	7.07E-09
170	0.17	0.000	0.341	0.2514	0.0441	0.0006	7.07E-09
171	0.08	0.000	0.343	0.2392	0.0426	0.0006	7.06E-09
172	0.19	0.000	0.308	0.2335	0.0410	0.0006	7.05E-09
173	0.01	0.000	0.190	0.2249	0.0395	0.0006	7.04E-09
174	0.01	0.000	0.208	0.2157	0.0380	0.0005	7.04E-09
175	0.00	0.000	0.091	0.2112	0.0366	0.0005	7.03E-09
176	0.00	0.000	0.072	0.2075	0.0352	0.0005	7.02E-09
177	0.11	0.000	0.071	0.2081	0.0339	0.0005	7.01E-09
178	0.69	0.000	0.072	0.2331	0.0326	0.0005	7.00E-09
179	0.19	0.000	0.138	0.2343	0.0314	0.0004	6.99E-09
180	0.00	0.000	0.303	0.2208	0.0302	0.0004	6.99E-09
181	0.29	0.000	0.141	0.2259	0.0291	0.0004	6.98E-09
182	1.39	0.000	0.310	0.2699	0.0280	0.0004	6.97E-09
183	0.09	0.000	0.294	0.2604	0.0269	0.0004	6.97E-09
184	0.07	0.000	0.242	0.2523	0.0259	0.0004	6.96E-09

185	0.17	0.000	0.107	0.2542	0.0250	0.0004	6.95E-09
186	0.00	0.000	0.125	0.2482	0.0240	0.0003	6.95E-09
187	0.20	0.000	0.279	0.2442	0.0231	0.0003	6.94E-09
188	0.00	0.000	0.209	0.2348	0.0222	0.0003	6.94E-09
189	0.31	0.000	0.102	0.2428	0.0214	0.0003	6.93E-09
190	0.48	0.000	0.268	0.2508	0.0206	0.0003	6.93E-09
191	0.01	0.000	0.252	0.2400	0.0198	0.0003	6.92E-09
192	0.00	0.000	0.166	0.2325	0.0191	0.0003	6.92E-09
193	0.00	0.000	0.158	0.2253	0.0184	0.0003	6.91E-09
194	0.00	0.000	0.155	0.2183	0.0177	0.0003	6.91E-09
195	0.00	0.000	0.336	0.2036	0.0170	0.0002	6.91E-09
196	0.00	0.000	0.267	0.1922	0.0164	0.0002	6.90E-09
197	0.37	0.000	0.158	0.2008	0.0158	0.0002	6.90E-09
198	0.09	0.000	0.323	0.1909	0.0152	0.0002	6.89E-09
199	0.15	0.000	0.107	0.1926	0.0146	0.0002	6.89E-09
200	0.23	0.000	0.155	0.1954	0.0141	0.0002	6.89E-09
201	0.00	0.000	0.338	0.1808	0.0135	0.0002	6.88E-09
202	0.00	0.000	0.160	0.1738	0.0130	0.0002	6.88E-09
203	0.00	0.000	0.111	0.1689	0.0125	0.0002	6.88E-09
204	0.05	0.000	0.156	0.1644	0.0121	0.0002	6.88E-09
205	0.02	0.000	0.173	0.1578	0.0116	0.0002	6.87E-09
206	0.00	0.000	0.123	0.1525	0.0112	0.0002	6.87E-09
207	0.00	0.000	0.150	0.1461	0.0108	0.0002	6.87E-09
208	0.00	0.000	0.149	0.1398	0.0103	0.0001	6.87E-09
209	0.21	0.000	0.154	0.1421	0.0100	0.0001	6.86E-09
210	0.00	0.000	0.140	0.1363	0.0096	0.0001	6.86E-09
211	0.00	0.000	0.115	0.1315	0.0092	0.0001	6.86E-09
212	0.00	0.000	0.112	0.1268	0.0089	0.0001	6.86E-09
213	0.01	0.000	0.201	0.1190	0.0085	0.0001	6.85E-09
214	0.00	0.000	0.174	0.1119	0.0082	0.0001	6.85E-09
215	0.08	0.000	0.101	0.1111	0.0079	0.0001	6.85E-09
216	0.22	0.000	0.177	0.1130	0.0076	0.0001	6.85E-09

217	0.00	0.000	0.191	0.1050	0.0073	0.0001	6.85E-09
218	0.00	0.000	0.174	0.0978	0.0071	0.0001	6.85E-09
219	0.23	0.000	0.103	0.1031	0.0068	0.0001	6.84E-09
220	0.02	0.000	0.134	0.0985	0.0065	0.0001	6.84E-09
221	0.00	0.000	0.186	0.0907	0.0063	0.0001	6.84E-09
222	0.00	0.000	0.167	0.0837	0.0061	0.0001	6.84E-09
223	0.00	0.000	0.157	0.0771	0.0058	0.0001	6.84E-09
224	0.24	0.000	0.195	0.0786	0.0063	0.0001	6.84E-09
225	0.00	0.000	0.263	0.0622	0.0087	0.0001	6.86E-09
226	0.52	0.000	0.143	0.0762	0.0093	0.0001	6.86E-09
227	0.00	0.000	0.105	0.0707	0.0094	0.0001	6.86E-09
228	0.20	0.000	0.155	0.0725	0.0121	0.0002	6.88E-09
229	0.00	0.000	0.131	0.0669	0.0154	0.0002	6.90E-09
230	0.00	0.000	0.148	0.0607	0.0185	0.0003	6.92E-09
231	0.00	0.000	0.081	0.0573	0.0215	0.0003	6.93E-09
232	0.00	0.000	0.041	0.0556	0.0244	0.0003	6.95E-09
233	0.33	0.000	0.144	0.0634	0.0272	0.0004	6.97E-09
234	0.00	0.000	0.112	0.0583	0.0287	0.0004	6.98E-09
235	0.46	0.000	0.076	0.0745	0.0306	0.0004	6.99E-09
236	0.28	0.000	0.060	0.0834	0.0331	0.0005	7.00E-09
237	0.00	0.000	0.041	0.0817	0.0355	0.0005	7.02E-09
238	0.25	0.000	0.071	0.0890	0.0377	0.0005	7.03E-09
239	0.77	0.000	0.136	0.1149	0.0392	0.0006	7.04E-09
240	0.29	0.000	0.087	0.1236	0.0403	0.0006	7.05E-09
241	0.48	0.000	0.188	0.1356	0.0424	0.0006	7.06E-09
242	0.01	0.000	0.143	0.1300	0.0444	0.0006	7.08E-09
243	0.00	0.000	0.144	0.1240	0.0463	0.0007	7.09E-09
244	0.00	0.000	0.089	0.1203	0.0480	0.0007	7.10E-09
245	0.00	0.000	0.147	0.1142	0.0470	0.0007	7.09E-09
246	0.00	0.000	0.119	0.1092	0.0453	0.0006	7.08E-09
247	0.00	0.000	0.195	0.1011	0.0436	0.0006	7.07E-09
248	0.00	0.000	0.163	0.0943	0.0419	0.0006	7.06E-09

249		0.27	0.000	0.192	0.0975	0.0404	0.0006	7.05E-09
250		0.00	0.000	0.205	0.0879	0.0388	0.0006	7.04E-09
251		0.00	0.000	0.179	0.0804	0.0388	0.0005	7.04E-09
252		0.00	0.000	0.140	0.0745	0.0409	0.0006	7.05E-09
253		0.00	0.000	0.139	0.0685	0.0419	0.0006	7.06E-09
254		0.00	0.000	0.045	0.0666	0.0433	0.0006	7.07E-09
255		0.00	0.000	0.115	0.0618	0.0453	0.0006	7.08E-09
256		0.01	0.000	0.037	0.0606	0.0472	0.0007	7.09E-09
257		0.69	0.000	0.089	0.0855	0.0491	0.0007	7.10E-09
258	*	0.00	0.000	0.001	0.0855	0.0508	0.0007	7.12E-09
259		0.02	0.000	0.065	0.0837	0.0523	0.0007	7.13E-09
260		0.06	0.000	0.116	0.0812	0.0532	0.0008	7.13E-09
261	*	0.26	0.000	0.030	0.0820	0.0539	0.0008	7.14E-09
262	*	0.09	0.000	0.020	0.0828	0.0521	0.0007	7.12E-09
263		0.54	0.000	0.000	0.1164	0.0502	0.0007	7.11E-09
264	*	0.00	0.000	0.000	0.1164	0.0488	0.0007	7.10E-09
265		0.00	0.000	0.083	0.1130	0.0479	0.0007	7.10E-09
266		0.42	0.000	0.079	0.1271	0.0472	0.0007	7.09E-09
267		0.07	0.000	0.087	0.1265	0.0463	0.0007	7.09E-09
268		0.09	0.000	0.077	0.1272	0.0462	0.0007	7.09E-09
269		0.01	0.000	0.087	0.1237	0.0455	0.0006	7.08E-09
270		0.00	0.000	0.148	0.1169	0.0442	0.0006	7.07E-09
271		0.00	0.000	0.050	0.1140	0.0429	0.0006	7.07E-09
272		0.51	0.000	0.069	0.1325	0.0426	0.0006	7.06E-09
273		0.00	0.000	0.092	0.1287	0.0437	0.0006	7.07E-09
274		0.13	0.000	0.163	0.1270	0.0439	0.0006	7.07E-09
275		0.00	0.000	0.101	0.1227	0.0438	0.0006	7.07E-09
276		0.00	0.000	0.075	0.1196	0.0441	0.0006	7.07E-09
277		0.00	0.000	0.041	0.1179	0.0439	0.0006	7.07E-09
278		0.00	0.000	0.063	0.1153	0.0433	0.0006	7.07E-09
279		0.00	0.000	0.140	0.1094	0.0423	0.0006	7.06E-09
280		0.00	0.000	0.097	0.1054	0.0410	0.0006	7.05E-09

281		0.00	0.000	0.041	0.1037	0.0395	0.0006	7.04E-09
282		0.00	0.000	0.135	0.0980	0.0380	0.0005	7.04E-09
283		0.00	0.000	0.095	0.0941	0.0366	0.0005	7.03E-09
284		0.00	0.000	0.030	0.0928	0.0352	0.0005	7.02E-09
285		0.00	0.000	0.053	0.0906	0.0339	0.0005	7.01E-09
286		0.00	0.000	0.063	0.0880	0.0326	0.0005	7.00E-09
287		0.00	0.000	0.048	0.0856	0.0314	0.0004	6.99E-09
288		0.00	0.000	0.032	0.0841	0.0302	0.0004	6.99E-09
289		0.00	0.000	0.025	0.0828	0.0291	0.0004	6.98E-09
290		0.00	0.000	0.032	0.0813	0.0280	0.0004	6.97E-09
291		0.00	0.000	0.030	0.0798	0.0269	0.0004	6.97E-09
292		0.08	0.000	0.047	0.0809	0.0259	0.0004	6.96E-09
293	*	0.20	0.000	0.025	0.0817	0.0249	0.0004	6.95E-09
294	*	0.03	0.000	0.017	0.0825	0.0240	0.0003	6.95E-09
295	*	0.50	0.000	0.016	0.0833	0.0231	0.0003	6.94E-09
296	*	0.22	0.000	0.015	0.0841	0.0222	0.0003	6.94E-09
297	*	0.00	0.000	0.005	0.0850	0.0214	0.0003	6.93E-09
298	*	0.40	0.000	0.002	0.0858	0.0206	0.0003	6.93E-09
299	*	0.00	0.000	0.000	0.0866	0.0198	0.0003	6.92E-09
300	*	0.26	0.000	0.000	0.0874	0.0191	0.0003	6.92E-09
301		0.00	0.000	0.000	0.1443	0.0184	0.0003	6.91E-09
302		0.00	0.000	0.055	0.1425	0.0177	0.0003	6.91E-09
303		0.00	0.000	0.028	0.1414	0.0170	0.0002	6.91E-09
304		0.05	0.000	0.050	0.1415	0.0164	0.0002	6.90E-09
305	*	0.01	0.000	0.006	0.1415	0.0158	0.0002	6.90E-09
306		0.28	0.000	0.037	0.1517	0.0152	0.0002	6.89E-09
307	*	0.01	0.000	0.021	0.1507	0.0146	0.0002	6.89E-09
308	*	0.00	0.000	0.000	0.1507	0.0141	0.0002	6.89E-09
309	*	0.00	0.000	0.000	0.1507	0.0135	0.0002	6.88E-09
310	*	0.00	0.000	0.000	0.1507	0.0130	0.0002	6.88E-09
311	*	0.00	0.000	0.000	0.1507	0.0125	0.0002	6.88E-09
312	*	0.00	0.000	0.000	0.1501	0.0121	0.0002	6.88E-09

313	*	*	0.00	0.000	0.000	0.1501	0.0116	0.0002	6.87E-09
314	*	*	0.00	0.000	0.000	0.1501	0.0112	0.0002	6.87E-09
315	*	*	0.17	0.000	0.002	0.1501	0.0107	0.0002	6.87E-09
316	*	*	0.00	0.000	0.022	0.1501	0.0103	0.0001	6.87E-09
317		*	0.00	0.000	0.025	0.1509	0.0100	0.0001	6.86E-09
318	*	*	0.00	0.000	0.011	0.1509	0.0096	0.0001	6.86E-09
319	*	*	0.00	0.000	0.005	0.1509	0.0092	0.0001	6.86E-09
320	*	*	0.22	0.000	0.011	0.1509	0.0089	0.0001	6.86E-09
321		*	0.02	0.000	0.000	0.1639	0.0085	0.0001	6.85E-09
322		*	0.00	0.000	0.000	0.1639	0.0082	0.0001	6.85E-09
323		*	0.00	0.000	0.000	0.1639	0.0079	0.0001	6.85E-09
324		*	0.00	0.000	0.000	0.1639	0.0076	0.0001	6.85E-09
325		*	0.00	0.000	0.000	0.1639	0.0073	0.0001	6.85E-09
326		*	0.01	0.000	0.005	0.1640	0.0071	0.0001	6.85E-09
327		*	0.28	0.000	0.020	0.1748	0.0068	0.0001	6.84E-09
328		*	0.00	0.000	0.000	0.1748	0.0065	0.0001	6.84E-09
329		*	0.00	0.000	0.000	0.1748	0.0063	0.0001	6.84E-09
330		*	0.16	0.000	0.020	0.1805	0.0061	0.0001	6.84E-09
331		*	0.05	0.000	0.018	0.1817	0.0058	0.0001	6.84E-09
332	*	*	0.00	0.000	0.000	0.1817	0.0056	0.0001	6.84E-09
333	*	*	0.00	0.000	0.000	0.1817	0.0054	0.0001	6.84E-09
334	*	*	0.00	0.000	0.000	0.1817	0.0052	0.0001	6.83E-09
335	*	*	0.02	0.000	0.015	0.1817	0.0050	0.0001	6.83E-09
336	*	*	0.01	0.000	0.005	0.1817	0.0048	0.0001	6.83E-09
337	*	*	0.06	0.000	0.006	0.1817	0.0046	0.0001	6.83E-09
338	*	*	0.00	0.000	0.014	0.1817	0.0045	0.0001	6.83E-09
339		*	0.00	0.000	0.039	0.1817	0.0043	0.0001	6.83E-09
340		*	0.01	0.000	0.008	0.1818	0.0041	0.0001	6.83E-09
341		*	0.10	0.000	0.020	0.1852	0.0040	0.0001	6.83E-09
342	*	*	0.00	0.000	0.000	0.1852	0.0038	0.0001	6.83E-09
343	*	*	0.00	0.000	0.000	0.1852	0.0037	0.0001	6.83E-09
344	*	*	0.06	0.000	0.011	0.1852	0.0035	0.0001	6.82E-09

345		*	0.00	0.000	0.029	0.1858	0.0034	0.0000	6.82E-09
346		*	0.00	0.000	0.000	0.1858	0.0033	0.0000	6.82E-09
347		*	0.00	0.000	0.000	0.1858	0.0032	0.0000	6.82E-09
348		*	0.00	0.000	0.000	0.1858	0.0030	0.0000	6.82E-09
349	*	*	0.00	0.000	0.000	0.1858	0.0029	0.0000	6.82E-09
350	*	*	0.10	0.000	0.008	0.1858	0.0028	0.0000	6.82E-09
351	*	*	0.00	0.000	0.015	0.1858	0.0027	0.0000	6.82E-09
352	*	*	0.14	0.000	0.015	0.1858	0.0026	0.0000	6.82E-09
353		*	0.03	0.000	0.004	0.1952	0.0025	0.0000	6.82E-09
354		*	0.11	0.000	0.020	0.1990	0.0024	0.0000	6.82E-09
355	*	*	0.13	0.000	0.019	0.1990	0.0023	0.0000	6.82E-09
356		*	0.00	0.000	0.023	0.2029	0.0022	0.0000	6.82E-09
357		*	0.00	0.000	0.000	0.2029	0.0022	0.0000	6.82E-09
358		*	0.00	0.000	0.000	0.2029	0.0021	0.0000	6.82E-09
359		*	0.05	0.000	0.018	0.2041	0.0020	0.0000	6.82E-09
360		*	0.00	0.000	0.000	0.2041	0.0019	0.0000	6.81E-09
361		*	0.00	0.000	0.000	0.2041	0.0018	0.0000	6.81E-09
362		*	0.00	0.000	0.000	0.2041	0.0018	0.0000	6.81E-09
363		*	0.00	0.000	0.000	0.2041	0.0017	0.0000	6.81E-09
364		*	0.00	0.000	0.000	0.2041	0.0016	0.0000	6.81E-09
365			0.00	0.000	0.024	0.2031	0.0016	0.0000	6.81E-09

* = Frozen (air or soil)

Annual Totals for Year 2			
	inches	cubic feet	percent
Precipitation	29.68	905,939.5	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	23.783	726,063.8	80.14
Drainage Collected from Layer 2	0.1261	3,850.4	0.43
Percolation/Leakage through Layer 4	0.000003	0.0793	0.00

Average Head on Top of Layer 3	0.0244	---	---
Change in Water Storage	5.7660	176,025.2	19.43
Soil Water at Start of Year	50.6513	1,546,297.6	170.68
Soil Water at End of Year	56.4173	1,722,322.8	190.11
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 3

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1			0.00	0.000	0.027	0.2020	0.0015	0.0000	6.81E-09
2			0.00	0.000	0.019	0.2012	0.0015	0.0000	6.81E-09
3	*		0.00	0.000	0.000	0.2012	0.0014	0.0000	6.81E-09
4	*		0.00	0.000	0.000	0.2012	0.0014	0.0000	6.81E-09
5	*		0.04	0.000	0.007	0.2018	0.0013	0.0000	6.81E-09
6	*		0.00	0.000	0.026	0.2015	0.0013	0.0000	6.81E-09
7	*		0.00	0.000	0.000	0.2015	0.0012	0.0000	6.81E-09
8	*		0.00	0.000	0.000	0.2015	0.0012	0.0000	6.81E-09
9	*		0.00	0.000	0.000	0.2015	0.0011	0.0000	6.81E-09
10			0.00	0.000	0.018	0.2007	0.0011	0.0000	6.81E-09
11			0.09	0.000	0.036	0.2030	0.0010	0.0000	6.81E-09
12			0.00	0.000	0.028	0.2018	0.0010	0.0000	6.81E-09
13			0.00	0.000	0.023	0.2009	0.0010	0.0000	6.81E-09
14	*		0.02	0.000	0.015	0.2011	0.0010	0.0000	6.81E-09
15	*		0.00	0.000	0.000	0.2011	0.0013	0.0000	6.81E-09
16			0.00	0.000	0.019	0.2004	0.0018	0.0000	6.81E-09
17			0.00	0.000	0.018	0.1996	0.0024	0.0000	6.82E-09
18	*		0.00	0.000	0.017	0.1989	0.0033	0.0000	6.82E-09
19			0.05	0.000	0.032	0.1998	0.0043	0.0001	6.83E-09
20			0.00	0.000	0.029	0.1986	0.0055	0.0001	6.84E-09
21	*		0.00	0.000	0.000	0.1986	0.0069	0.0001	6.84E-09
22			0.00	0.000	0.026	0.1975	0.0084	0.0001	6.85E-09
23	*		0.00	0.000	0.000	0.1975	0.0101	0.0001	6.86E-09
24			0.00	0.000	0.024	0.1965	0.0119	0.0002	6.87E-09

25		0.00	0.000	0.034	0.1951	0.0139	0.0002	6.89E-09
26		0.00	0.000	0.043	0.1933	0.0160	0.0002	6.90E-09
27		0.00	0.000	0.078	0.1898	0.0181	0.0003	6.91E-09
28		0.00	0.000	0.024	0.1886	0.0184	0.0003	6.91E-09
29	*	0.00	0.000	0.018	0.1879	0.0191	0.0003	6.92E-09
30		0.00	0.000	0.021	0.1870	0.0222	0.0003	6.94E-09
31		0.00	0.000	0.038	0.1854	0.0256	0.0004	6.96E-09
32		0.00	0.000	0.042	0.1837	0.0291	0.0004	6.98E-09
33		0.00	0.000	0.030	0.1824	0.0327	0.0005	7.00E-09
34	*	0.00	0.000	0.000	0.1824	0.0363	0.0005	7.02E-09
35	*	0.00	0.000	0.000	0.1824	0.0390	0.0006	7.04E-09
36	*	0.00	0.000	0.018	0.1814	0.0390	0.0006	7.04E-09
37		0.00	0.000	0.031	0.1798	0.0393	0.0006	7.04E-09
38		0.00	0.000	0.032	0.1782	0.0380	0.0005	7.04E-09
39		0.00	0.000	0.033	0.1767	0.0389	0.0006	7.04E-09
40		0.01	0.000	0.038	0.1752	0.0386	0.0005	7.04E-09
41	*	0.00	0.000	0.000	0.1748	0.0388	0.0005	7.04E-09
42		0.00	0.000	0.030	0.1731	0.0394	0.0006	7.04E-09
43		0.41	0.000	0.057	0.1874	0.0410	0.0006	7.05E-09
44		0.02	0.000	0.045	0.1856	0.0439	0.0006	7.07E-09
45		0.19	0.000	0.050	0.1911	0.0468	0.0007	7.09E-09
46		0.00	0.000	0.043	0.1888	0.0499	0.0007	7.11E-09
47		0.05	0.000	0.058	0.1880	0.0524	0.0007	7.13E-09
48		0.03	0.000	0.109	0.1842	0.0553	0.0008	7.14E-09
49		0.03	0.000	0.072	0.1822	0.0585	0.0008	7.16E-09
50		0.03	0.000	0.135	0.1776	0.0621	0.0009	7.43E-09
51		0.00	0.000	0.042	0.1752	0.0679	0.0010	8.12E-09
52		0.00	0.000	0.052	0.1725	0.0762	0.0011	9.11E-09
53		0.00	0.000	0.083	0.1686	0.0833	0.0012	9.96E-09
54		0.00	0.000	0.055	0.1659	0.0878	0.0012	1.05E-08
55		0.00	0.000	0.084	0.1621	0.0919	0.0013	1.10E-08
56	*	0.00	0.000	0.005	0.1616	0.0963	0.0014	1.15E-08

57	*	0.00	0.000	0.034	0.1598	0.1009	0.0014	1.21E-08
58	*	0.02	0.000	0.032	0.1592	0.1066	0.0015	1.28E-08
59	*	0.00	0.000	0.000	0.1586	0.1176	0.0017	1.41E-08
60		0.00	0.000	0.028	0.1571	0.1261	0.0018	1.51E-08
61	*	0.00	0.000	0.038	0.1552	0.1337	0.0019	1.60E-08
62		0.00	0.000	0.044	0.1530	0.1396	0.0020	1.67E-08
63		0.07	0.000	0.049	0.1535	0.1441	0.0020	1.73E-08
64	*	0.00	0.000	0.034	0.1518	0.1513	0.0021	1.81E-08
65	*	0.00	0.000	0.035	0.1501	0.1601	0.0023	1.92E-08
66	*	0.00	0.000	0.021	0.1489	0.1680	0.0024	2.01E-08
67	*	0.00	0.000	0.000	0.1486	0.1757	0.0025	2.11E-08
68		0.06	0.000	0.092	0.1467	0.1843	0.0026	2.21E-08
69		0.24	0.000	0.074	0.1532	0.1907	0.0027	2.29E-08
70		0.00	0.000	0.089	0.1491	0.1964	0.0028	2.36E-08
71		0.00	0.000	0.125	0.1434	0.2042	0.0029	2.45E-08
72		0.00	0.000	0.122	0.1379	0.2087	0.0030	2.50E-08
73		0.00	0.000	0.074	0.1345	0.2152	0.0030	2.58E-08
74		0.12	0.000	0.077	0.1359	0.2209	0.0031	2.65E-08
75		0.00	0.000	0.048	0.1337	0.2301	0.0033	2.76E-08
76		0.00	0.000	0.042	0.1318	0.2387	0.0034	2.87E-08
77		0.00	0.000	0.038	0.1301	0.2516	0.0036	3.02E-08
78		0.16	0.000	0.055	0.1344	0.2612	0.0037	3.14E-08
79		0.00	0.000	0.033	0.1329	0.2692	0.0038	3.24E-08
80		0.00	0.000	0.031	0.1314	0.2772	0.0039	3.33E-08
81		0.00	0.000	0.029	0.1301	0.2856	0.0040	3.43E-08
82	*	0.06	0.000	0.070	0.1297	0.2973	0.0042	3.58E-08
83	*	0.08	0.000	0.013	0.1304	0.3077	0.0044	3.70E-08
84		0.26	0.000	0.017	0.1422	0.3181	0.0045	3.83E-08
85	*	0.00	0.000	0.000	0.1422	0.3280	0.0046	3.95E-08
86	*	0.00	0.000	0.004	0.1421	0.3365	0.0048	4.05E-08
87	*	0.01	0.000	0.005	0.1420	0.3450	0.0049	4.15E-08
88		0.03	0.000	0.041	0.1413	0.3512	0.0050	4.23E-08

89		0.05	0.000	0.044	0.1415	0.3544	0.0050	4.27E-08
90	*	0.01	0.000	0.037	0.1404	0.3573	0.0051	4.30E-08
91		0.21	0.000	0.044	0.1472	0.3623	0.0051	4.36E-08
92		0.04	0.000	0.173	0.1413	0.3620	0.0051	4.36E-08
93		0.00	0.000	0.023	0.1403	0.3626	0.0051	4.37E-08
94		0.00	0.000	0.022	0.1393	0.3670	0.0052	4.42E-08
95		0.00	0.000	0.022	0.1383	0.3730	0.0053	4.49E-08
96		0.00	0.000	0.021	0.1373	0.3769	0.0053	4.54E-08
97		0.21	0.000	0.040	0.1442	0.3806	0.0054	4.59E-08
98		0.04	0.000	0.109	0.1410	0.3816	0.0054	4.60E-08
99		0.00	0.000	0.020	0.1401	0.3795	0.0054	4.57E-08
100		0.05	0.000	0.038	0.1406	0.3836	0.0054	4.62E-08
101		0.00	0.000	0.019	0.1397	0.3880	0.0055	4.68E-08
102		0.00	0.000	0.018	0.1389	0.3922	0.0056	4.73E-08
103		0.00	0.000	0.018	0.1381	0.3947	0.0056	4.76E-08
104		0.00	0.000	0.018	0.1372	0.3976	0.0056	4.79E-08
105		0.00	0.000	0.017	0.1365	0.3995	0.0057	4.82E-08
106		0.00	0.000	0.017	0.1357	0.4018	0.0057	4.84E-08
107		0.00	0.000	0.017	0.1349	0.4034	0.0057	4.86E-08
108		0.00	0.000	0.016	0.1342	0.4046	0.0057	4.88E-08
109		0.05	0.000	0.035	0.1348	0.4057	0.0057	4.89E-08
110		0.00	0.000	0.016	0.1340	0.4067	0.0058	4.90E-08
111		0.15	0.000	0.036	0.1388	0.4084	0.0058	4.93E-08
112		0.00	0.000	0.015	0.1381	0.4094	0.0058	4.94E-08
113		0.13	0.000	0.035	0.1419	0.4090	0.0058	4.93E-08
114		0.00	0.000	0.070	0.1388	0.4056	0.0057	4.89E-08
115		0.00	0.000	0.015	0.1381	0.4011	0.0057	4.84E-08
116	*	0.00	0.000	0.015	0.1374	0.4015	0.0057	4.84E-08
117		0.00	0.000	0.017	0.1368	0.4024	0.0057	4.85E-08
118	*	0.15	0.000	0.048	0.1376	0.4037	0.0057	4.87E-08
119	*	0.00	0.000	0.016	0.1384	0.4056	0.0057	4.89E-08
120	*	0.32	0.000	0.000	0.1392	0.4070	0.0058	4.91E-08

121	*	0.00	0.000	0.046	0.1400	0.4079	0.0058	4.92E-08
122	*	0.00	0.000	0.048	0.1408	0.4085	0.0058	4.93E-08
123		0.00	0.000	0.215	0.1405	0.4083	0.0058	4.92E-08
124		0.19	0.000	0.034	0.1471	0.4069	0.0058	4.91E-08
125		0.15	0.000	0.131	0.1478	0.4007	0.0057	4.83E-08
126		0.23	0.000	0.422	0.1398	0.3946	0.0056	4.76E-08
127		0.02	0.000	0.197	0.1320	0.3908	0.0055	4.71E-08
128		0.10	0.000	0.094	0.1321	0.3812	0.0054	4.59E-08
129		0.24	0.000	0.077	0.1388	0.3739	0.0053	4.50E-08
130		0.23	0.000	0.068	0.1454	0.3698	0.0052	4.46E-08
131		0.00	0.000	0.090	0.1415	0.3647	0.0052	4.39E-08
132		0.11	0.000	0.135	0.1400	0.3579	0.0051	4.31E-08
133		0.18	0.000	0.067	0.1448	0.3517	0.0050	4.24E-08
134		0.02	0.000	0.116	0.1405	0.3497	0.0050	4.21E-08
135		0.09	0.000	0.094	0.1402	0.3431	0.0049	4.13E-08
136		1.06	0.000	0.077	0.1808	0.3400	0.0048	4.09E-08
137	*	0.38	0.000	0.043	0.1816	0.3420	0.0048	4.12E-08
138		0.14	0.000	0.047	0.1988	0.3490	0.0049	4.20E-08
139		0.01	0.000	0.098	0.1951	0.3501	0.0050	4.22E-08
140		0.00	0.000	0.187	0.1869	0.3435	0.0049	4.14E-08
141		0.00	0.000	0.095	0.1827	0.3388	0.0048	4.08E-08
142		0.00	0.000	0.172	0.1752	0.3320	0.0047	4.00E-08
143		0.00	0.000	0.101	0.1707	0.3275	0.0046	3.94E-08
144		0.00	0.000	0.205	0.1617	0.3264	0.0046	3.93E-08
145		0.00	0.000	0.170	0.1542	0.3214	0.0046	3.87E-08
146		0.00	0.000	0.310	0.1412	0.3223	0.0046	3.88E-08
147		0.06	0.000	0.207	0.1352	0.3333	0.0047	4.01E-08
148		0.34	0.000	0.099	0.1451	0.3431	0.0049	4.13E-08
149		0.84	0.000	0.082	0.1765	0.3518	0.0050	4.24E-08
150		0.00	0.000	0.221	0.1673	0.3595	0.0051	4.33E-08
151		0.00	0.000	0.177	0.1599	0.3653	0.0052	4.40E-08
152		0.09	0.000	0.097	0.1598	0.3712	0.0053	4.47E-08

153	0.25	0.000	0.084	0.1668	0.3763	0.0053	4.53E-08
154	0.02	0.000	0.106	0.1631	0.3806	0.0054	4.59E-08
155	0.53	0.000	0.114	0.1802	0.3842	0.0054	4.63E-08
156	0.02	0.000	0.099	0.1770	0.3872	0.0055	4.67E-08
157	0.01	0.000	0.167	0.1703	0.3896	0.0055	4.70E-08
158	0.58	0.000	0.253	0.1837	0.3914	0.0055	4.72E-08
159	1.27	0.000	0.297	0.2239	0.3902	0.0055	4.70E-08
160	0.00	0.000	0.174	0.2165	0.3874	0.0055	4.67E-08
161	0.00	0.000	0.139	0.2104	0.3802	0.0054	4.58E-08
162	0.25	0.000	0.123	0.2154	0.3685	0.0052	4.44E-08
163	0.15	0.000	0.237	0.2111	0.3605	0.0051	4.34E-08
164	0.00	0.000	0.149	0.2048	0.3584	0.0051	4.32E-08
165	0.01	0.000	0.087	0.2015	0.3611	0.0051	4.35E-08
166	0.52	0.000	0.269	0.2119	0.3650	0.0052	4.40E-08
167	0.09	0.000	0.254	0.2048	0.3666	0.0052	4.42E-08
168	0.00	0.000	0.246	0.1945	0.3678	0.0052	4.43E-08
169	0.00	0.000	0.269	0.1833	0.3705	0.0052	4.46E-08
170	0.00	0.000	0.272	0.1720	0.3726	0.0053	4.49E-08
171	0.19	0.000	0.218	0.1707	0.3716	0.0053	4.48E-08
172	0.00	0.000	0.093	0.1668	0.3657	0.0052	4.41E-08
173	0.46	0.000	0.097	0.1821	0.3677	0.0052	4.43E-08
174	0.01	0.000	0.104	0.1781	0.3691	0.0052	4.45E-08
175	0.00	0.000	0.088	0.1745	0.3702	0.0052	4.46E-08
176	0.00	0.000	0.251	0.1641	0.3708	0.0053	4.47E-08
177	0.28	0.000	0.219	0.1666	0.3699	0.0052	4.46E-08
178	0.00	0.000	0.089	0.1631	0.3689	0.0052	4.44E-08
179	0.00	0.000	0.080	0.1597	0.3668	0.0052	4.42E-08
180	0.00	0.000	0.066	0.1570	0.3637	0.0052	4.38E-08
181	0.04	0.000	0.084	0.1549	0.3636	0.0052	4.38E-08
182	0.39	0.000	0.088	0.1674	0.3632	0.0051	4.38E-08
183	0.04	0.000	0.291	0.1570	0.3626	0.0051	4.37E-08
184	0.01	0.000	0.056	0.1549	0.3609	0.0051	4.35E-08

185	0.00	0.000	0.067	0.1521	0.3596	0.0051	4.33E-08
186	0.00	0.000	0.051	0.1500	0.3585	0.0051	4.32E-08
187	0.00	0.000	0.054	0.1477	0.3572	0.0051	4.30E-08
188	0.00	0.000	0.041	0.1460	0.3557	0.0050	4.28E-08
189	0.17	0.000	0.061	0.1505	0.3541	0.0050	4.27E-08
190	0.14	0.000	0.059	0.1538	0.3507	0.0050	4.22E-08
191	0.00	0.000	0.053	0.1515	0.3406	0.0048	4.10E-08
192	0.00	0.000	0.050	0.1492	0.3312	0.0047	3.99E-08
193	0.11	0.000	0.084	0.1499	0.3205	0.0045	3.86E-08
194	0.00	0.000	0.060	0.1473	0.3113	0.0044	3.75E-08
195	0.00	0.000	0.061	0.1447	0.3075	0.0044	3.70E-08
196	0.00	0.000	0.049	0.1425	0.3047	0.0043	3.67E-08
197	0.20	0.000	0.087	0.1469	0.2992	0.0042	3.60E-08
198	0.15	0.000	0.087	0.1497	0.2934	0.0042	3.53E-08
199	1.19	0.000	0.215	0.1898	0.2910	0.0041	3.50E-08
200	0.00	0.000	0.260	0.1784	0.2835	0.0040	3.41E-08
201	0.00	0.000	0.271	0.1665	0.2775	0.0039	3.34E-08
202	1.84	0.000	0.209	0.2343	0.2761	0.0039	3.32E-08
203	0.01	0.000	0.282	0.2222	0.2709	0.0038	3.26E-08
204	0.00	0.000	0.210	0.2129	0.2656	0.0038	3.19E-08
205	0.83	0.000	0.124	0.2420	0.2609	0.0037	3.14E-08
206	0.03	0.000	0.265	0.2320	0.2578	0.0037	3.10E-08
207	0.00	0.000	0.247	0.2212	0.2632	0.0037	3.16E-08
208	0.00	0.000	0.280	0.2092	0.2639	0.0037	3.17E-08
209	0.00	0.000	0.192	0.2010	0.2700	0.0038	3.25E-08
210	0.68	0.000	0.124	0.2241	0.2796	0.0040	3.36E-08
211	0.01	0.000	0.134	0.2191	0.2896	0.0041	3.48E-08
212	0.26	0.000	0.349	0.2153	0.2986	0.0042	3.59E-08
213	1.71	0.000	0.360	0.2716	0.3049	0.0043	3.67E-08
214	0.00	0.000	0.370	0.2557	0.3098	0.0044	3.73E-08
215	0.00	0.000	0.333	0.2415	0.3080	0.0044	3.71E-08
216	0.08	0.000	0.144	0.2389	0.3149	0.0045	3.79E-08

217	0.04	0.000	0.292	0.2283	0.3219	0.0046	3.87E-08
218	0.00	0.000	0.274	0.2169	0.3281	0.0046	3.95E-08
219	0.35	0.000	0.121	0.2262	0.3318	0.0047	3.99E-08
220	0.00	0.000	0.301	0.2137	0.3337	0.0047	4.02E-08
221	0.00	0.000	0.251	0.2032	0.3385	0.0048	4.08E-08
222	0.11	0.000	0.305	0.1949	0.3418	0.0048	4.12E-08
223	0.00	0.000	0.244	0.1847	0.3453	0.0049	4.16E-08
224	1.35	0.000	0.306	0.2283	0.3467	0.0049	4.18E-08
225	0.00	0.000	0.316	0.2151	0.3479	0.0049	4.19E-08
226	0.01	0.000	0.284	0.2035	0.3505	0.0050	4.22E-08
227	0.08	0.000	0.241	0.1967	0.3525	0.0050	4.25E-08
228	0.05	0.000	0.248	0.1883	0.3541	0.0050	4.26E-08
229	0.00	0.000	0.233	0.1786	0.3553	0.0050	4.28E-08
230	0.00	0.000	0.250	0.1682	0.3561	0.0050	4.29E-08
231	0.00	0.000	0.215	0.1592	0.3566	0.0051	4.29E-08
232	0.00	0.000	0.073	0.1562	0.3567	0.0051	4.30E-08
233	0.00	0.000	0.120	0.1512	0.3566	0.0051	4.30E-08
234	0.00	0.000	0.103	0.1469	0.3562	0.0050	4.29E-08
235	0.00	0.000	0.088	0.1433	0.3556	0.0050	4.28E-08
236	0.00	0.000	0.086	0.1397	0.3548	0.0050	4.27E-08
237	0.00	0.000	0.076	0.1365	0.3537	0.0050	4.26E-08
238	0.39	0.000	0.095	0.1490	0.3525	0.0050	4.25E-08
239	0.30	0.000	0.090	0.1576	0.3512	0.0050	4.23E-08
240	0.00	0.000	0.089	0.1539	0.3497	0.0050	4.21E-08
241	0.68	0.000	0.243	0.1719	0.3481	0.0049	4.19E-08
242	0.00	0.000	0.144	0.1659	0.3463	0.0049	4.17E-08
243	0.05	0.000	0.084	0.1644	0.3445	0.0049	4.15E-08
244	0.54	0.000	0.083	0.1836	0.3426	0.0049	4.13E-08
245	0.49	0.000	0.073	0.2009	0.3406	0.0048	4.10E-08
246	0.00	0.000	0.087	0.1973	0.3386	0.0048	4.08E-08
247	0.02	0.000	0.148	0.1918	0.3365	0.0048	4.05E-08
248	0.04	0.000	0.068	0.1905	0.3344	0.0047	4.03E-08

249		0.02	0.000	0.056	0.1888	0.3323	0.0047	4.00E-08
250		0.00	0.000	0.054	0.1865	0.3301	0.0047	3.97E-08
251		0.00	0.000	0.047	0.1846	0.3279	0.0046	3.95E-08
252		0.00	0.000	0.164	0.1777	0.3258	0.0046	3.92E-08
253		0.00	0.000	0.204	0.1691	0.3236	0.0046	3.89E-08
254		0.00	0.000	0.115	0.1641	0.3155	0.0045	3.80E-08
255		0.00	0.000	0.202	0.1554	0.3047	0.0043	3.67E-08
256		0.03	0.000	0.262	0.1452	0.2947	0.0042	3.54E-08
257		0.04	0.000	0.081	0.1431	0.2859	0.0041	3.44E-08
258		0.00	0.000	0.080	0.1396	0.2782	0.0039	3.34E-08
259		0.00	0.000	0.063	0.1368	0.2710	0.0038	3.26E-08
260		0.00	0.000	0.054	0.1346	0.2690	0.0038	3.23E-08
261		0.00	0.000	0.053	0.1324	0.2725	0.0039	3.28E-08
262		0.00	0.000	0.050	0.1303	0.2757	0.0039	3.31E-08
263		0.00	0.000	0.047	0.1283	0.2786	0.0039	3.35E-08
264		0.18	0.000	0.070	0.1330	0.2812	0.0040	3.38E-08
265		0.19	0.000	0.071	0.1378	0.2835	0.0040	3.41E-08
266		0.02	0.000	0.059	0.1364	0.2856	0.0040	3.43E-08
267		0.36	0.000	0.069	0.1485	0.2874	0.0041	3.46E-08
268		0.01	0.000	0.060	0.1463	0.2891	0.0041	3.48E-08
269		0.00	0.000	0.039	0.1446	0.2898	0.0041	3.49E-08
270		0.73	0.000	0.065	0.1725	0.2904	0.0041	3.49E-08
271		0.00	0.000	0.070	0.1696	0.2917	0.0041	3.51E-08
272		0.00	0.000	0.061	0.1671	0.2928	0.0041	3.52E-08
273		0.00	0.000	0.096	0.1631	0.2937	0.0042	3.53E-08
274	*	0.00	0.000	0.034	0.1616	0.2945	0.0042	3.54E-08
275	*	0.00	0.000	0.000	0.1616	0.2952	0.0042	3.55E-08
276		0.00	0.000	0.040	0.1600	0.2957	0.0042	3.56E-08
277		0.49	0.000	0.058	0.1780	0.2962	0.0042	3.56E-08
278		0.15	0.000	0.078	0.1809	0.2966	0.0042	3.57E-08
279		0.03	0.000	0.073	0.1790	0.2969	0.0042	3.57E-08
280		0.00	0.000	0.111	0.1744	0.2971	0.0042	3.57E-08

281		0.00	0.000	0.045	0.1725	0.2972	0.0042	3.57E-08
282		0.00	0.000	0.060	0.1700	0.2973	0.0042	3.58E-08
283		0.00	0.000	0.075	0.1669	0.2973	0.0042	3.58E-08
284		0.00	0.000	0.042	0.1652	0.2973	0.0042	3.58E-08
285		0.36	0.000	0.099	0.1762	0.2972	0.0042	3.57E-08
286		0.03	0.000	0.050	0.1752	0.2971	0.0042	3.57E-08
287		0.10	0.000	0.083	0.1758	0.2969	0.0042	3.57E-08
288	*	0.25	0.000	0.017	0.1766	0.2968	0.0042	3.57E-08
289	*	0.00	0.000	0.017	0.1774	0.2966	0.0042	3.57E-08
290	*	0.24	0.000	0.008	0.1782	0.2964	0.0042	3.57E-08
291	*	0.00	0.000	0.011	0.1790	0.2962	0.0042	3.56E-08
292	*	0.05	0.000	0.000	0.1799	0.2960	0.0042	3.56E-08
293		0.00	0.000	0.000	0.1960	0.2958	0.0042	3.56E-08
294	*	0.00	0.000	0.000	0.1960	0.2956	0.0042	3.56E-08
295	*	0.00	0.000	0.000	0.1960	0.2953	0.0042	3.55E-08
296	*	0.02	0.000	0.007	0.1965	0.2951	0.0042	3.55E-08
297	*	0.11	0.000	0.017	0.1974	0.2949	0.0042	3.55E-08
298	*	0.00	0.000	0.033	0.1982	0.2947	0.0042	3.54E-08
299		0.00	0.000	0.104	0.1948	0.2945	0.0042	3.54E-08
300		0.00	0.000	0.102	0.1905	0.2933	0.0042	3.53E-08
301		0.00	0.000	0.041	0.1888	0.2932	0.0042	3.53E-08
302	*	0.00	0.000	0.000	0.1888	0.2932	0.0042	3.53E-08
303		0.00	0.000	0.047	0.1869	0.2932	0.0042	3.53E-08
304	*	0.00	0.000	0.000	0.1869	0.2932	0.0042	3.53E-08
305	*	0.00	0.000	0.000	0.1869	0.2932	0.0042	3.53E-08
306		0.00	0.000	0.051	0.1847	0.2932	0.0042	3.53E-08
307		0.06	0.000	0.075	0.1841	0.2933	0.0042	3.53E-08
308		0.16	0.000	0.069	0.1880	0.2933	0.0042	3.53E-08
309		0.02	0.000	0.065	0.1859	0.2934	0.0042	3.53E-08
310		0.20	0.000	0.085	0.1909	0.2935	0.0042	3.53E-08
311		0.00	0.000	0.087	0.1873	0.2937	0.0042	3.53E-08
312		0.10	0.000	0.083	0.1878	0.2938	0.0042	3.53E-08

313		0.00	0.000	0.030	0.1865	0.2940	0.0042	3.54E-08
314		0.00	0.000	0.037	0.1850	0.2942	0.0042	3.54E-08
315		0.00	0.000	0.096	0.1810	0.2944	0.0042	3.54E-08
316		0.00	0.000	0.078	0.1778	0.2946	0.0042	3.54E-08
317	*	0.00	0.000	0.024	0.1768	0.2949	0.0042	3.55E-08
318		0.00	0.000	0.052	0.1746	0.2952	0.0042	3.55E-08
319	*	0.00	0.000	0.021	0.1737	0.2955	0.0042	3.55E-08
320	*	0.00	0.000	0.000	0.1737	0.2958	0.0042	3.56E-08
321		0.00	0.000	0.045	0.1719	0.2962	0.0042	3.56E-08
322	*	0.00	0.000	0.000	0.1719	0.2966	0.0042	3.57E-08
323	*	0.00	0.000	0.022	0.1710	0.2970	0.0042	3.57E-08
324	*	0.00	0.000	0.020	0.1701	0.2974	0.0042	3.58E-08
325		0.00	0.000	0.023	0.1692	0.2979	0.0042	3.58E-08
326	*	0.00	0.000	0.019	0.1684	0.2984	0.0042	3.59E-08
327		0.03	0.000	0.049	0.1677	0.2989	0.0042	3.60E-08
328		0.14	0.000	0.075	0.1703	0.2992	0.0042	3.60E-08
329		0.00	0.000	0.138	0.1645	0.2987	0.0042	3.59E-08
330		0.00	0.000	0.182	0.1569	0.2984	0.0042	3.59E-08
331		0.00	0.000	0.107	0.1524	0.2992	0.0042	3.60E-08
332		0.00	0.000	0.071	0.1495	0.3000	0.0043	3.61E-08
333		0.00	0.000	0.029	0.1483	0.3009	0.0043	3.62E-08
334		0.04	0.000	0.062	0.1475	0.3017	0.0043	3.63E-08
335		0.02	0.000	0.059	0.1461	0.3026	0.0043	3.64E-08
336	*	0.00	0.000	0.023	0.1451	0.3033	0.0043	3.65E-08
337		0.21	0.000	0.050	0.1520	0.3033	0.0043	3.65E-08
338		0.00	0.000	0.041	0.1503	0.3043	0.0043	3.66E-08
339	*	0.00	0.000	0.000	0.1503	0.3053	0.0043	3.67E-08
340	*	0.00	0.000	0.000	0.1503	0.3063	0.0043	3.68E-08
341	*	0.00	0.000	0.000	0.1503	0.3073	0.0044	3.70E-08
342		0.13	0.000	0.036	0.1540	0.3082	0.0044	3.71E-08
343	*	0.00	0.000	0.001	0.1540	0.3092	0.0044	3.72E-08
344		0.00	0.000	0.035	0.1526	0.3102	0.0044	3.73E-08

345	*		0.00	0.000	0.000	0.1526	0.3112	0.0044	3.74E-08
346	*		0.00	0.000	0.000	0.1526	0.3122	0.0044	3.76E-08
347	*		0.00	0.000	0.000	0.1526	0.3132	0.0044	3.77E-08
348	*		0.41	0.000	0.008	0.1534	0.3142	0.0045	3.78E-08
349	*		0.00	0.000	0.025	0.1542	0.3152	0.0045	3.79E-08
350	*		0.00	0.000	0.016	0.1550	0.3162	0.0045	3.81E-08
351	*		0.00	0.000	0.022	0.1559	0.3172	0.0045	3.82E-08
352	*		0.00	0.000	0.007	0.1567	0.3182	0.0045	3.83E-08
353	*		0.00	0.000	0.003	0.1575	0.3192	0.0045	3.84E-08
354	*		0.15	0.000	0.004	0.1583	0.3202	0.0045	3.85E-08
355	*		0.00	0.000	0.001	0.1591	0.3213	0.0046	3.87E-08
356	*	*	0.00	0.000	0.001	0.1591	0.3223	0.0046	3.88E-08
357	*	*	0.00	0.000	0.003	0.1591	0.3233	0.0046	3.89E-08
358	*	*	0.00	0.000	0.000	0.1591	0.3243	0.0046	3.90E-08
359	*	*	0.00	0.000	0.007	0.1591	0.3253	0.0046	3.92E-08
360	*	*	0.05	0.000	0.008	0.1591	0.3263	0.0046	3.93E-08
361	*	*	0.00	0.000	0.007	0.1591	0.3273	0.0046	3.94E-08
362	*	*	0.00	0.000	0.002	0.1591	0.3283	0.0047	3.95E-08
363	*	*	0.00	0.000	0.001	0.1591	0.3293	0.0047	3.96E-08
364	*	*	0.00	0.000	0.001	0.1591	0.3303	0.0047	3.98E-08
365	*	*	0.00	0.000	0.003	0.1591	0.3313	0.0047	3.99E-08

* = Frozen (air or soil)

Annual Totals for Year 3			
	inches	cubic feet	percent
Precipitation	30.12	919,609.2	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	29.958	914,563.4	99.45
Drainage Collected from Layer 2	1.4241	43,474.6	4.73
Percolation/Leakage through Layer 4	0.000012	0.3762	0.00

Average Head on Top of Layer 3	0.2754	---	---
Change in Water Storage	-1.2588	-38,429.2	-4.18
Soil Water at Start of Year	56.4173	1,722,322.8	187.29
Soil Water at End of Year	54.8217	1,673,613.5	181.99
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.3367	10,280.2	1.12
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 4

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1591	0.3323	0.0047	4.00E-08
2		*	0.00	0.000	0.000	0.1733	0.3333	0.0047	4.01E-08
3	*	*	0.00	0.000	0.000	0.1733	0.3343	0.0047	4.03E-08
4	*	*	0.14	0.000	0.026	0.1733	0.3353	0.0048	4.04E-08
5	*	*	0.04	0.000	0.011	0.1733	0.3363	0.0048	4.05E-08
6	*	*	0.00	0.000	0.016	0.1733	0.3373	0.0048	4.06E-08
7	*	*	0.06	0.000	0.000	0.1733	0.3383	0.0048	4.07E-08
8	*	*	0.08	0.000	0.018	0.1733	0.3393	0.0048	4.09E-08
9	*	*	0.00	0.000	0.024	0.1733	0.3403	0.0048	4.10E-08
10		*	0.00	0.000	0.000	0.1826	0.3413	0.0048	4.11E-08
11		*	0.02	0.000	0.005	0.1831	0.3423	0.0048	4.12E-08
12		*	0.11	0.000	0.005	0.1875	0.3432	0.0049	4.13E-08
13	*	*	0.18	0.000	0.027	0.1875	0.3442	0.0049	4.14E-08
14	*	*	0.06	0.000	0.018	0.1875	0.3452	0.0049	4.16E-08
15	*	*	0.03	0.000	0.012	0.1875	0.3462	0.0049	4.17E-08
16		*	0.14	0.000	0.000	0.1967	0.3471	0.0049	4.18E-08
17	*	*	0.00	0.000	0.019	0.1967	0.3481	0.0049	4.19E-08
18		*	0.00	0.000	0.028	0.2001	0.3490	0.0049	4.20E-08
19		*	0.00	0.000	0.000	0.2001	0.3500	0.0050	4.21E-08
20		*	0.13	0.000	0.005	0.2054	0.3509	0.0050	4.23E-08
21		*	0.00	0.000	0.000	0.2054	0.3519	0.0050	4.24E-08
22	*	*	0.39	0.000	0.023	0.2054	0.3528	0.0050	4.25E-08
23	*	*	0.00	0.000	0.018	0.2054	0.3537	0.0050	4.26E-08
24	*	*	0.00	0.000	0.014	0.2054	0.3546	0.0050	4.27E-08

25		*	0.00	0.000	0.013	0.2105	0.3555	0.0050	4.28E-08
26	*	*	0.00	0.000	0.022	0.2105	0.3565	0.0051	4.29E-08
27	*	*	0.00	0.000	0.018	0.2105	0.3574	0.0051	4.30E-08
28		*	0.00	0.000	0.021	0.2164	0.3583	0.0051	4.32E-08
29		*	0.00	0.000	0.000	0.2164	0.3592	0.0051	4.33E-08
30	*	*	0.00	0.000	0.000	0.2164	0.3600	0.0051	4.34E-08
31		*	0.00	0.000	0.000	0.2164	0.3609	0.0051	4.35E-08
32	*	*	0.00	0.000	0.001	0.2164	0.3618	0.0051	4.36E-08
33	*	*	0.21	0.000	0.010	0.2164	0.3626	0.0051	4.37E-08
34	*	*	0.56	0.000	0.013	0.2164	0.3635	0.0051	4.38E-08
35	*	*	0.11	0.000	0.006	0.2164	0.3644	0.0052	4.39E-08
36	*	*	0.04	0.000	0.000	0.2164	0.3652	0.0052	4.40E-08
37		*	0.00	0.000	0.000	0.2533	0.3660	0.0052	4.41E-08
38		*	0.00	0.000	0.000	0.2533	0.3669	0.0052	4.42E-08
39		*	0.00	0.000	0.000	0.2533	0.3677	0.0052	4.43E-08
40		*	0.00	0.000	0.000	0.2533	0.3685	0.0052	4.44E-08
41		*	0.10	0.000	0.004	0.2575	0.3693	0.0052	4.45E-08
42		*	0.00	0.000	0.002	0.2576	0.3701	0.0052	4.46E-08
43		*	0.00	0.000	0.000	0.2576	0.3709	0.0053	4.47E-08
44	*	*	0.18	0.000	0.030	0.2576	0.3717	0.0053	4.48E-08
45	*	*	0.26	0.000	0.008	0.2576	0.3724	0.0053	4.49E-08
46	*	*	0.00	0.000	0.003	0.2576	0.3732	0.0053	4.50E-08
47	*	*	0.04	0.000	0.000	0.2576	0.3740	0.0053	4.51E-08
48	*	*	0.00	0.000	0.022	0.2576	0.3747	0.0053	4.52E-08
49	*	*	0.00	0.000	0.021	0.2576	0.3755	0.0053	4.52E-08
50	*	*	0.00	0.000	0.016	0.2576	0.3743	0.0053	4.51E-08
51	*	*	0.00	0.000	0.019	0.2576	0.3718	0.0053	4.48E-08
52	*	*	0.00	0.000	0.026	0.2576	0.3696	0.0052	4.45E-08
53	*	*	0.00	0.000	0.020	0.2576	0.3678	0.0052	4.43E-08
54	*	*	0.04	0.000	0.007	0.2576	0.3662	0.0052	4.41E-08
55		*	0.00	0.000	0.000	0.2726	0.3649	0.0052	4.40E-08
56	*	*	0.00	0.000	0.000	0.2726	0.3639	0.0052	4.38E-08

57		*	0.00	0.000	0.000	0.2726	0.3631	0.0051	4.37E-08
58	*	*	0.00	0.000	0.000	0.2726	0.3626	0.0051	4.37E-08
59	*	*	0.00	0.000	0.000	0.2726	0.3623	0.0051	4.36E-08
60		*	0.00	0.000	0.000	0.2726	0.3622	0.0051	4.36E-08
61		*	0.00	0.000	0.000	0.2726	0.3622	0.0051	4.36E-08
62		*	0.00	0.000	0.000	0.2726	0.3625	0.0051	4.37E-08
63		*	0.00	0.000	0.000	0.2726	0.3629	0.0051	4.37E-08
64	*	*	0.13	0.000	0.031	0.2726	0.3635	0.0051	4.38E-08
65	*	*	0.00	0.000	0.026	0.2726	0.3642	0.0052	4.39E-08
66	*	*	0.00	0.000	0.016	0.2726	0.3650	0.0052	4.40E-08
67	*	*	0.00	0.000	0.031	0.2726	0.3660	0.0052	4.41E-08
68		*	0.00	0.000	0.031	0.2726	0.3671	0.0052	4.42E-08
69		*	0.00	0.000	0.000	0.2726	0.3683	0.0052	4.44E-08
70		*	0.00	0.000	0.000	0.2726	0.3695	0.0052	4.45E-08
71	*	*	0.00	0.000	0.000	0.2726	0.3709	0.0053	4.47E-08
72		*	0.00	0.000	0.000	0.2726	0.3723	0.0053	4.49E-08
73		*	0.06	0.000	0.003	0.2748	0.3738	0.0053	4.50E-08
74		*	0.00	0.000	0.000	0.2748	0.3754	0.0053	4.52E-08
75		*	0.00	0.000	0.000	0.2748	0.3770	0.0053	4.54E-08
76		*	0.01	0.000	0.003	0.2750	0.3787	0.0054	4.56E-08
77		*	0.00	0.000	0.000	0.2750	0.3804	0.0054	4.58E-08
78		*	0.14	0.000	0.003	0.2806	0.3822	0.0054	4.61E-08
79		*	0.00	0.000	0.000	0.2806	0.3840	0.0054	4.63E-08
80		*	0.00	0.000	0.000	0.2806	0.3858	0.0055	4.65E-08
81	*	*	0.12	0.000	0.014	0.2806	0.3876	0.0055	4.67E-08
82	*	*	0.00	0.000	0.012	0.2806	0.3895	0.0055	4.69E-08
83	*	*	0.00	0.000	0.031	0.2806	0.3914	0.0055	4.72E-08
84	*	*	0.00	0.000	0.053	0.2806	0.3933	0.0056	4.74E-08
85		*	0.00	0.000	0.010	0.2806	0.3951	0.0056	4.76E-08
86		*	0.05	0.000	0.003	0.2825	0.3970	0.0056	4.79E-08
87		*	0.06	0.000	0.003	0.2848	0.3989	0.0057	4.81E-08
88		*	0.01	0.000	0.003	0.2853	0.4008	0.0057	4.83E-08

89		*	0.02	0.000	0.003	0.2859	0.4027	0.0057	4.86E-08
90		*	0.00	0.000	0.000	0.2859	0.4046	0.0057	4.88E-08
91	*	*	0.00	0.000	0.000	0.2859	0.4065	0.0058	4.90E-08
92		*	0.03	0.000	0.003	0.2869	0.4083	0.0058	4.92E-08
93	*	*	0.28	0.000	0.030	0.2869	0.4102	0.0058	4.95E-08
94	*	*	0.00	0.000	0.027	0.2869	0.4120	0.0058	4.97E-08
95	*	*	0.00	0.000	0.025	0.2869	0.4138	0.0059	4.99E-08
96		*	0.38	0.000	0.000	0.3024	0.4156	0.0059	5.01E-08
97	*	*	0.00	0.000	0.042	0.3024	0.4174	0.0059	5.03E-08
98		*	0.01	0.000	0.089	0.3059	0.4191	0.0059	5.06E-08
99		*	0.00	0.000	0.000	0.3059	0.4208	0.0060	5.08E-08
100		*	0.00	0.000	0.000	0.3059	0.4225	0.0060	5.10E-08
101		*	0.00	0.000	0.000	0.3059	0.4242	0.0060	5.12E-08
102			0.00	0.000	0.151	0.2996	0.4258	0.0060	5.14E-08
103			0.00	0.000	0.064	0.2970	0.4274	0.0061	5.16E-08
104			0.23	0.000	0.248	0.2961	0.4290	0.0061	5.18E-08
105			0.21	0.000	0.156	0.2985	0.4306	0.0061	5.19E-08
106			0.12	0.000	0.357	0.2888	0.4321	0.0061	5.21E-08
107			0.00	0.000	0.271	0.2776	0.4336	0.0061	5.23E-08
108			0.00	0.000	0.234	0.2678	0.4350	0.0062	5.25E-08
109			0.00	0.000	0.204	0.2593	0.4364	0.0062	5.27E-08
110			0.00	0.000	0.137	0.2535	0.4378	0.0062	5.28E-08
111			0.00	0.000	0.184	0.2434	0.4401	0.0062	5.31E-08
112			0.00	0.000	0.076	0.2370	0.4413	0.0063	5.33E-08
113			0.33	0.000	0.061	0.2454	0.4425	0.0063	5.34E-08
114			0.00	0.000	0.049	0.2413	0.4437	0.0063	5.35E-08
115			0.00	0.000	0.043	0.2375	0.4449	0.0063	5.37E-08
116			0.00	0.000	0.039	0.2344	0.4460	0.0063	5.38E-08
117			0.78	0.000	0.039	0.2638	0.4471	0.0063	5.40E-08
118	*		0.00	0.000	0.101	0.2579	0.4482	0.0063	5.41E-08
119			0.00	0.000	0.125	0.2513	0.4492	0.0064	5.42E-08
120			0.00	0.000	0.161	0.2437	0.4502	0.0064	5.43E-08

121	0.45	0.000	0.164	0.2544	0.4512	0.0064	5.45E-08
122	0.00	0.000	0.093	0.2494	0.4522	0.0064	5.46E-08
123	0.00	0.000	0.134	0.2428	0.4531	0.0064	5.47E-08
124	0.00	0.000	0.256	0.2311	0.4540	0.0064	5.48E-08
125	0.00	0.000	0.184	0.2221	0.4549	0.0064	5.49E-08
126	0.00	0.000	0.076	0.2181	0.4557	0.0065	5.50E-08
127	0.00	0.000	0.059	0.2148	0.4565	0.0065	5.51E-08
128	0.61	0.000	0.052	0.2371	0.4573	0.0065	5.52E-08
129	0.00	0.000	0.364	0.2205	0.4581	0.0065	5.53E-08
130	0.00	0.000	0.044	0.2185	0.4629	0.0066	5.59E-08
131	0.02	0.000	0.042	0.2170	0.4724	0.0067	5.71E-08
132	0.04	0.000	0.038	0.2166	0.4732	0.0067	5.71E-08
133	0.21	0.000	0.036	0.2233	0.4724	0.0067	5.70E-08
134	0.00	0.000	0.032	0.2213	0.4717	0.0067	5.70E-08
135	0.01	0.000	0.032	0.2196	0.4710	0.0067	5.69E-08
136	0.00	0.000	0.029	0.2177	0.4704	0.0067	5.68E-08
137	0.00	0.000	0.028	0.2159	0.4698	0.0067	5.67E-08
138	0.00	0.000	0.027	0.2142	0.4693	0.0066	5.67E-08
139	0.00	0.000	0.026	0.2125	0.4692	0.0066	5.67E-08
140	0.28	0.000	0.027	0.2225	0.4709	0.0067	5.69E-08
141	0.00	0.000	0.025	0.2210	0.4748	0.0067	5.73E-08
142	0.00	0.000	0.025	0.2194	0.4805	0.0068	5.80E-08
143	0.22	0.000	0.027	0.2269	0.4877	0.0069	5.89E-08
144	0.00	0.000	0.391	0.2104	0.4980	0.0071	6.02E-08
145	0.42	0.000	0.026	0.2263	0.5063	0.0072	6.12E-08
146	0.08	0.000	0.433	0.2115	0.5116	0.0072	6.18E-08
147	0.00	0.000	0.022	0.2100	0.5175	0.0073	6.26E-08
148	0.00	0.000	0.022	0.2085	0.5160	0.0073	6.24E-08
149	0.00	0.000	0.021	0.2071	0.5197	0.0074	6.28E-08
150	0.15	0.000	0.023	0.2120	0.5266	0.0075	6.37E-08
151	0.00	0.000	0.021	0.2106	0.5349	0.0076	6.47E-08
152	0.00	0.000	0.022	0.2093	0.5422	0.0077	6.56E-08

153	0.00	0.000	0.022	0.2080	0.5491	0.0078	6.64E-08
154	0.00	0.000	0.023	0.2067	0.5551	0.0079	6.72E-08
155	0.23	0.000	0.025	0.2147	0.5602	0.0079	6.78E-08
156	0.33	0.000	0.024	0.2270	0.5644	0.0080	6.83E-08
157	0.00	0.000	0.311	0.2133	0.5616	0.0080	6.80E-08
158	0.00	0.000	0.020	0.2122	0.5558	0.0079	6.72E-08
159	0.00	0.000	0.023	0.2109	0.5592	0.0079	6.77E-08
160	0.00	0.000	0.021	0.2098	0.5619	0.0080	6.80E-08
161	0.00	0.000	0.024	0.2085	0.5639	0.0080	6.82E-08
162	0.00	0.000	0.021	0.2075	0.5653	0.0080	6.84E-08
163	0.25	0.000	0.022	0.2168	0.5662	0.0080	6.85E-08
164	1.02	0.000	0.372	0.2433	0.5613	0.0080	6.79E-08
165	0.00	0.000	0.273	0.2314	0.5531	0.0078	6.69E-08
166	0.00	0.000	0.209	0.2224	0.5528	0.0078	6.69E-08
167	0.00	0.000	0.284	0.2101	0.5529	0.0078	6.69E-08
168	0.00	0.000	0.201	0.2013	0.5526	0.0078	6.68E-08
169	0.63	0.000	0.196	0.2191	0.5519	0.0078	6.68E-08
170	0.01	0.000	0.292	0.2069	0.5508	0.0078	6.66E-08
171	0.00	0.000	0.276	0.1953	0.5493	0.0078	6.65E-08
172	0.00	0.000	0.196	0.1871	0.5476	0.0078	6.62E-08
173	0.00	0.000	0.085	0.1836	0.5455	0.0077	6.60E-08
174	0.49	0.000	0.077	0.2008	0.5432	0.0077	6.57E-08
175	0.11	0.000	0.069	0.2025	0.5406	0.0077	6.54E-08
176	0.00	0.000	0.062	0.1999	0.5378	0.0076	6.50E-08
177	2.18	0.000	0.065	0.2880	0.5348	0.0076	6.47E-08
178	0.88	0.000	0.212	0.3157	0.5316	0.0075	6.43E-08
179	0.15	0.000	0.140	0.3162	0.5283	0.0075	6.39E-08
180	0.02	0.000	0.135	0.3112	0.5247	0.0074	6.34E-08
181	0.00	0.000	0.211	0.3024	0.5211	0.0074	6.30E-08
182	0.00	0.000	0.296	0.2902	0.5173	0.0073	6.25E-08
183	0.08	0.000	0.306	0.2809	0.5133	0.0073	6.20E-08
184	0.42	0.000	0.118	0.2936	0.5093	0.0072	6.16E-08

185	0.49	0.000	0.249	0.3034	0.5052	0.0072	6.11E-08
186	0.11	0.000	0.197	0.2970	0.4918	0.0070	5.94E-08
187	0.60	0.000	0.279	0.3082	0.4743	0.0067	5.73E-08
188	0.02	0.000	0.301	0.2929	0.4593	0.0065	5.55E-08
189	0.43	0.000	0.270	0.2965	0.4421	0.0063	5.34E-08
190	0.00	0.000	0.177	0.2870	0.4279	0.0061	5.16E-08
191	0.00	0.000	0.242	0.2738	0.4126	0.0058	4.98E-08
192	0.74	0.000	0.258	0.2916	0.3972	0.0056	4.79E-08
193	0.00	0.000	0.271	0.2789	0.3861	0.0055	4.65E-08
194	0.00	0.000	0.244	0.2660	0.3734	0.0053	4.50E-08
195	0.43	0.000	0.166	0.2751	0.3596	0.0051	4.33E-08
196	0.60	0.000	0.132	0.2936	0.3558	0.0050	4.29E-08
197	0.10	0.000	0.120	0.2913	0.3585	0.0051	4.32E-08
198	0.07	0.000	0.291	0.2808	0.3498	0.0050	4.21E-08
199	0.32	0.000	0.327	0.2796	0.3511	0.0050	4.23E-08
200	0.05	0.000	0.322	0.2673	0.3547	0.0050	4.27E-08
201	0.51	0.000	0.355	0.2719	0.3527	0.0050	4.25E-08
202	0.03	0.000	0.188	0.2644	0.3528	0.0050	4.25E-08
203	0.22	0.000	0.337	0.2581	0.3558	0.0050	4.29E-08
204	0.01	0.000	0.290	0.2457	0.3584	0.0051	4.32E-08
205	0.00	0.000	0.265	0.2337	0.3607	0.0051	4.35E-08
206	0.00	0.000	0.134	0.2271	0.3626	0.0051	4.37E-08
207	0.00	0.000	0.289	0.2143	0.3642	0.0052	4.39E-08
208	0.54	0.000	0.116	0.2311	0.3655	0.0052	4.40E-08
209	0.04	0.000	0.281	0.2207	0.3665	0.0052	4.42E-08
210	0.00	0.000	0.207	0.2117	0.3672	0.0052	4.42E-08
211	0.61	0.000	0.209	0.2275	0.3677	0.0052	4.43E-08
212	0.00	0.000	0.178	0.2195	0.3680	0.0052	4.43E-08
213	0.00	0.000	0.154	0.2127	0.3680	0.0052	4.43E-08
214	0.03	0.000	0.205	0.2048	0.3679	0.0052	4.43E-08
215	0.16	0.000	0.111	0.2067	0.3675	0.0052	4.43E-08
216	0.65	0.000	0.114	0.2289	0.3670	0.0052	4.42E-08

217	0.00	0.000	0.172	0.2215	0.3662	0.0052	4.41E-08
218	0.00	0.000	0.119	0.2164	0.3654	0.0052	4.40E-08
219	0.00	0.000	0.139	0.2105	0.3644	0.0052	4.39E-08
220	0.00	0.000	0.281	0.1988	0.3632	0.0051	4.38E-08
221	0.00	0.000	0.190	0.1909	0.3619	0.0051	4.36E-08
222	0.00	0.000	0.274	0.1795	0.3606	0.0051	4.34E-08
223	0.00	0.000	0.106	0.1749	0.3591	0.0051	4.33E-08
224	0.00	0.000	0.108	0.1702	0.3575	0.0051	4.31E-08
225	0.00	0.000	0.084	0.1664	0.3558	0.0050	4.29E-08
226	0.00	0.000	0.073	0.1631	0.3540	0.0050	4.26E-08
227	0.00	0.000	0.075	0.1597	0.3521	0.0050	4.24E-08
228	0.00	0.000	0.078	0.1562	0.3502	0.0050	4.22E-08
229	0.00	0.000	0.050	0.1538	0.3482	0.0049	4.19E-08
230	0.00	0.000	0.047	0.1515	0.3461	0.0049	4.17E-08
231	0.00	0.000	0.040	0.1495	0.3440	0.0049	4.14E-08
232	0.00	0.000	0.041	0.1475	0.3418	0.0048	4.12E-08
233	0.00	0.000	0.045	0.1453	0.3396	0.0048	4.09E-08
234	1.02	0.000	0.054	0.1851	0.3374	0.0048	4.06E-08
235	0.00	0.000	0.132	0.1794	0.3351	0.0047	4.03E-08
236	0.33	0.000	0.189	0.1852	0.3327	0.0047	4.01E-08
237	0.00	0.000	0.104	0.1804	0.3278	0.0046	3.95E-08
238	0.00	0.000	0.086	0.1763	0.3216	0.0046	3.87E-08
239	0.56	0.000	0.238	0.1893	0.3156	0.0045	3.80E-08
240	0.08	0.000	0.108	0.1878	0.3088	0.0044	3.72E-08
241	0.05	0.000	0.110	0.1848	0.3073	0.0044	3.70E-08
242	0.00	0.000	0.179	0.1769	0.3057	0.0043	3.68E-08
243	0.00	0.000	0.147	0.1703	0.3040	0.0043	3.66E-08
244	0.00	0.000	0.205	0.1614	0.3023	0.0043	3.64E-08
245	0.02	0.000	0.199	0.1536	0.3005	0.0043	3.62E-08
246	0.14	0.000	0.095	0.1550	0.2987	0.0042	3.59E-08
247	0.15	0.000	0.079	0.1580	0.2969	0.0042	3.57E-08
248	0.01	0.000	0.062	0.1557	0.2951	0.0042	3.55E-08

249		0.36	0.000	0.071	0.1675	0.2932	0.0042	3.53E-08
250		0.09	0.000	0.143	0.1648	0.2913	0.0041	3.50E-08
251		0.00	0.000	0.047	0.1628	0.2893	0.0041	3.48E-08
252	*	0.07	0.000	0.082	0.1622	0.2874	0.0041	3.46E-08
253	*	0.03	0.000	0.045	0.1613	0.2854	0.0040	3.43E-08
254	*	0.00	0.000	0.001	0.1613	0.2834	0.0040	3.41E-08
255		0.77	0.000	0.054	0.1911	0.2814	0.0040	3.38E-08
256		0.00	0.000	0.044	0.1891	0.2794	0.0040	3.36E-08
257		0.00	0.000	0.164	0.1820	0.2771	0.0039	3.33E-08
258		0.00	0.000	0.145	0.1757	0.2747	0.0039	3.30E-08
259		0.20	0.000	0.212	0.1752	0.2722	0.0039	3.27E-08
260		0.03	0.000	0.173	0.1691	0.2700	0.0038	3.25E-08
261		0.01	0.000	0.126	0.1642	0.2681	0.0038	3.22E-08
262		0.31	0.000	0.155	0.1706	0.2661	0.0038	3.20E-08
263		0.00	0.000	0.209	0.1619	0.2642	0.0037	3.18E-08
264		0.00	0.000	0.084	0.1583	0.2622	0.0037	3.15E-08
265		0.00	0.000	0.080	0.1550	0.2602	0.0037	3.13E-08
266		0.74	0.000	0.139	0.1800	0.2583	0.0037	3.10E-08
267		0.00	0.000	0.154	0.1736	0.2563	0.0036	3.08E-08
268		0.00	0.000	0.159	0.1670	0.2544	0.0036	3.06E-08
269		0.00	0.000	0.160	0.1602	0.2524	0.0036	3.03E-08
270		0.00	0.000	0.288	0.1483	0.2488	0.0035	2.99E-08
271		0.00	0.000	0.169	0.1412	0.2470	0.0035	2.97E-08
272		0.23	0.000	0.066	0.1479	0.2451	0.0035	2.95E-08
273		0.00	0.000	0.058	0.1455	0.2433	0.0034	2.92E-08
274		0.00	0.000	0.049	0.1434	0.2415	0.0034	2.90E-08
275	*	0.00	0.000	0.000	0.1434	0.2396	0.0034	2.88E-08
276		0.00	0.000	0.043	0.1416	0.2378	0.0034	2.86E-08
277		0.00	0.000	0.039	0.1400	0.2360	0.0033	2.83E-08
278		0.32	0.000	0.048	0.1511	0.2341	0.0033	2.81E-08
279		0.03	0.000	0.079	0.1489	0.2322	0.0033	2.79E-08
280		0.03	0.000	0.044	0.1484	0.2297	0.0033	2.76E-08

281		0.00	0.000	0.032	0.1471	0.2267	0.0032	2.72E-08
282		0.27	0.000	0.040	0.1568	0.2234	0.0032	2.68E-08
283		0.02	0.000	0.083	0.1543	0.2196	0.0031	2.64E-08
284		0.28	0.000	0.080	0.1628	0.2156	0.0031	2.59E-08
285		0.00	0.000	0.058	0.1604	0.2112	0.0030	2.54E-08
286		0.00	0.000	0.081	0.1570	0.2066	0.0029	2.48E-08
287		0.00	0.000	0.142	0.1511	0.2017	0.0029	2.42E-08
288		0.00	0.000	0.138	0.1453	0.1967	0.0028	2.36E-08
289		0.00	0.000	0.097	0.1412	0.1915	0.0027	2.30E-08
290		0.00	0.000	0.076	0.1381	0.1861	0.0026	2.23E-08
291		0.00	0.000	0.058	0.1356	0.1806	0.0026	2.17E-08
292		0.23	0.000	0.058	0.1426	0.1750	0.0025	2.10E-08
293		0.01	0.000	0.047	0.1409	0.1694	0.0024	2.03E-08
294		0.02	0.000	0.047	0.1398	0.1636	0.0023	1.96E-08
295		0.00	0.000	0.037	0.1383	0.1578	0.0022	1.89E-08
296		0.17	0.000	0.041	0.1438	0.1520	0.0022	1.82E-08
297		0.04	0.000	0.039	0.1440	0.1463	0.0021	1.75E-08
298	*	0.05	0.000	0.018	0.1448	0.1408	0.0020	1.69E-08
299	*	0.00	0.000	0.007	0.1450	0.1355	0.0019	1.62E-08
300		0.24	0.000	0.036	0.1535	0.1305	0.0018	1.56E-08
301		0.00	0.000	0.095	0.1496	0.1256	0.0018	1.50E-08
302		0.00	0.000	0.028	0.1484	0.1208	0.0017	1.45E-08
303		0.04	0.000	0.034	0.1487	0.1163	0.0016	1.39E-08
304		0.00	0.000	0.026	0.1476	0.1119	0.0016	1.34E-08
305		0.00	0.000	0.025	0.1465	0.1077	0.0015	1.29E-08
306		0.02	0.000	0.030	0.1462	0.1037	0.0015	1.24E-08
307		0.00	0.000	0.023	0.1452	0.0998	0.0014	1.19E-08
308		0.00	0.000	0.023	0.1443	0.0961	0.0014	1.15E-08
309		0.00	0.000	0.022	0.1434	0.0924	0.0013	1.11E-08
310	*	0.00	0.000	0.000	0.1434	0.0890	0.0013	1.06E-08
311	*	0.00	0.000	0.000	0.1434	0.0856	0.0012	1.02E-08
312		0.00	0.000	0.021	0.1425	0.0824	0.0012	9.86E-09

313	*	0.00	0.000	0.000	0.1425	0.0793	0.0011	9.49E-09
314		0.00	0.000	0.021	0.1416	0.0763	0.0011	9.13E-09
315		0.00	0.000	0.020	0.1408	0.0735	0.0010	8.79E-09
316		0.00	0.000	0.020	0.1399	0.0707	0.0010	8.46E-09
317		0.00	0.000	0.019	0.1391	0.0681	0.0010	8.14E-09
318		0.00	0.000	0.019	0.1383	0.0655	0.0009	7.83E-09
319	*	0.00	0.000	0.000	0.1383	0.0631	0.0009	7.54E-09
320	*	0.00	0.000	0.000	0.1383	0.0607	0.0009	7.26E-09
321		0.00	0.000	0.019	0.1376	0.0584	0.0008	7.16E-09
322		0.00	0.000	0.018	0.1368	0.0562	0.0008	7.15E-09
323		0.00	0.000	0.018	0.1361	0.0541	0.0008	7.14E-09
324		0.03	0.000	0.022	0.1362	0.0521	0.0007	7.12E-09
325		0.01	0.000	0.021	0.1359	0.0501	0.0007	7.11E-09
326		0.00	0.000	0.017	0.1352	0.0482	0.0007	7.10E-09
327		0.00	0.000	0.017	0.1345	0.0464	0.0007	7.09E-09
328		0.00	0.000	0.016	0.1338	0.0447	0.0006	7.08E-09
329		0.09	0.000	0.020	0.1369	0.0430	0.0006	7.07E-09
330		0.11	0.000	0.020	0.1405	0.0414	0.0006	7.06E-09
331		0.13	0.000	0.020	0.1451	0.0398	0.0006	7.05E-09
332	*	0.28	0.000	0.012	0.1460	0.0383	0.0005	7.04E-09
333		0.00	0.000	0.003	0.1560	0.0369	0.0005	7.03E-09
334	*	0.00	0.000	0.000	0.1560	0.0355	0.0005	7.02E-09
335	*	0.00	0.000	0.000	0.1560	0.0342	0.0005	7.01E-09
336	*	0.00	0.000	0.023	0.1550	0.0329	0.0005	7.00E-09
337		0.01	0.000	0.055	0.1532	0.0317	0.0004	7.00E-09
338		0.00	0.000	0.057	0.1509	0.0305	0.0004	6.99E-09
339		0.00	0.000	0.082	0.1474	0.0293	0.0004	6.98E-09
340		0.00	0.000	0.060	0.1449	0.0282	0.0004	6.97E-09
341	*	0.00	0.000	0.000	0.1449	0.0272	0.0004	6.97E-09
342		0.00	0.000	0.041	0.1432	0.0261	0.0004	6.96E-09
343	*	0.00	0.000	0.000	0.1432	0.0252	0.0004	6.96E-09
344	*	0.08	0.000	0.005	0.1440	0.0242	0.0003	6.95E-09

345	*	0.00	0.000	0.024	0.1448	0.0233	0.0003	6.94E-09
346		0.00	0.000	0.053	0.1429	0.0224	0.0003	6.94E-09
347		0.00	0.000	0.045	0.1411	0.0216	0.0003	6.93E-09
348		0.00	0.000	0.045	0.1393	0.0208	0.0003	6.93E-09
349		0.00	0.000	0.041	0.1377	0.0200	0.0003	6.92E-09
350		0.00	0.000	0.036	0.1362	0.0193	0.0003	6.92E-09
351		0.00	0.000	0.033	0.1348	0.0186	0.0003	6.92E-09
352		0.00	0.000	0.032	0.1335	0.0180	0.0003	6.91E-09
353		0.00	0.000	0.030	0.1323	0.0177	0.0003	6.91E-09
354		0.00	0.000	0.028	0.1311	0.0175	0.0002	6.91E-09
355		0.00	0.000	0.027	0.1300	0.0176	0.0002	6.91E-09
356	*	0.00	0.000	0.000	0.1300	0.0178	0.0003	6.91E-09
357		0.00	0.000	0.026	0.1289	0.0182	0.0003	6.91E-09
358	*	0.00	0.000	0.000	0.1289	0.0188	0.0003	6.92E-09
359	*	0.01	0.000	0.006	0.1291	0.0195	0.0003	6.92E-09
360	*	0.00	0.000	0.000	0.1291	0.0205	0.0003	6.93E-09
361	*	0.00	0.000	0.000	0.1291	0.0215	0.0003	6.93E-09
362	*	0.00	0.000	0.000	0.1291	0.0228	0.0003	6.94E-09
363	*	0.00	0.000	0.003	0.1291	0.0241	0.0003	6.95E-09
364	*	0.00	0.000	0.000	0.1291	0.0257	0.0004	6.96E-09
365	*	0.00	0.000	0.000	0.1291	0.0273	0.0004	6.97E-09

* = Frozen (air or soil)

Annual Totals for Year 4			
	inches	cubic feet	percent
Precipitation	29.67	905,759.6	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	28.309	864,221.1	95.41
Drainage Collected from Layer 2	1.6547	50,516.6	5.58
Percolation/Leakage through Layer 4	0.000014	0.4346	0.00

Average Head on Top of Layer 3	0.3191	---	---
Change in Water Storage	-0.2941	-8,978.6	-0.99
Soil Water at Start of Year	54.8217	1,673,613.5	184.77
Soil Water at End of Year	54.8643	1,674,915.1	184.92
Snow Water at Start of Year	0.3367	10,280.2	1.13
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 5

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1291	0.0311	0.0004	6.99E-09
2	*	*	0.00	0.000	0.000	0.1291	0.0332	0.0005	7.01E-09
3	*	*	0.00	0.000	0.000	0.1291	0.0354	0.0005	7.02E-09
4	*	*	0.00	0.000	0.000	0.1291	0.0377	0.0005	7.03E-09
5	*	*	0.00	0.000	0.000	0.1291	0.0402	0.0006	7.05E-09
6	*	*	0.08	0.000	0.005	0.1291	0.0427	0.0006	7.06E-09
7	*	*	0.03	0.000	0.000	0.1291	0.0454	0.0006	7.08E-09
8	*	*	0.00	0.000	0.023	0.1291	0.0482	0.0007	7.10E-09
9		*	0.00	0.000	0.034	0.1311	0.0511	0.0007	7.12E-09
10		*	0.04	0.000	0.003	0.1326	0.0540	0.0008	7.14E-09
11		*	0.00	0.000	0.000	0.1326	0.0571	0.0008	7.16E-09
12		*	0.00	0.000	0.000	0.1326	0.0603	0.0009	7.24E-09
13	*	*	0.00	0.000	0.000	0.1326	0.0635	0.0009	7.60E-09
14	*	*	0.00	0.000	0.000	0.1326	0.0669	0.0009	8.00E-09
15		*	0.11	0.000	0.003	0.1371	0.0703	0.0010	8.41E-09
16	*	*	0.03	0.000	0.022	0.1371	0.0738	0.0010	8.82E-09
17	*	*	0.00	0.000	0.004	0.1371	0.0773	0.0011	9.25E-09
18	*	*	0.00	0.000	0.000	0.1371	0.0809	0.0011	9.68E-09
19		*	0.03	0.000	0.003	0.1382	0.0846	0.0012	1.01E-08
20		*	0.03	0.000	0.003	0.1392	0.0884	0.0013	1.06E-08
21		*	0.00	0.000	0.000	0.1392	0.0922	0.0013	1.10E-08
22		*	0.01	0.000	0.002	0.1393	0.0960	0.0014	1.15E-08
23		*	0.00	0.000	0.000	0.1393	0.0999	0.0014	1.20E-08
24		*	0.00	0.000	0.000	0.1393	0.1039	0.0015	1.24E-08

25		*	0.00	0.000	0.000	0.1393	0.1079	0.0015	1.29E-08
26		*	0.00	0.000	0.000	0.1393	0.1119	0.0016	1.34E-08
27	*	*	0.00	0.000	0.000	0.1393	0.1160	0.0016	1.39E-08
28	*	*	0.00	0.000	0.000	0.1393	0.1201	0.0017	1.44E-08
29	*	*	0.00	0.000	0.000	0.1393	0.1242	0.0018	1.49E-08
30	*	*	0.00	0.000	0.000	0.1393	0.1284	0.0018	1.54E-08
31	*	*	0.00	0.000	0.000	0.1393	0.1326	0.0019	1.59E-08
32	*	*	0.06	0.000	0.011	0.1393	0.1368	0.0019	1.64E-08
33	*	*	0.00	0.000	0.005	0.1393	0.1410	0.0020	1.69E-08
34	*	*	0.00	0.000	0.004	0.1393	0.1452	0.0021	1.74E-08
35	*	*	0.00	0.000	0.003	0.1393	0.1495	0.0021	1.79E-08
36	*	*	0.00	0.000	0.008	0.1393	0.1537	0.0022	1.84E-08
37	*	*	0.00	0.000	0.004	0.1393	0.1580	0.0022	1.89E-08
38	*	*	0.00	0.000	0.013	0.1393	0.1623	0.0023	1.95E-08
39	*	*	0.00	0.000	0.006	0.1393	0.1665	0.0024	2.00E-08
40	*	*	0.00	0.000	0.008	0.1393	0.1708	0.0024	2.05E-08
41	*	*	0.00	0.000	0.001	0.1393	0.1751	0.0025	2.10E-08
42		*	0.00	0.000	0.000	0.1393	0.1793	0.0025	2.15E-08
43		*	0.00	0.000	0.000	0.1393	0.1836	0.0026	2.20E-08
44	*	*	0.02	0.000	0.022	0.1393	0.1878	0.0027	2.25E-08
45	*	*	0.00	0.000	0.000	0.1393	0.1921	0.0027	2.30E-08
46	*	*	0.00	0.000	0.000	0.1393	0.1963	0.0028	2.36E-08
47	*	*	0.00	0.000	0.000	0.1393	0.2005	0.0028	2.41E-08
48	*	*	0.00	0.000	0.000	0.1393	0.2047	0.0029	2.46E-08
49		*	0.00	0.000	0.002	0.1394	0.2089	0.0030	2.51E-08
50		*	0.06	0.000	0.002	0.1416	0.2130	0.0030	2.56E-08
51		*	0.00	0.000	0.000	0.1416	0.2172	0.0031	2.61E-08
52		*	0.00	0.000	0.000	0.1416	0.2213	0.0031	2.66E-08
53		*	0.00	0.000	0.000	0.1416	0.2254	0.0032	2.71E-08
54		*	0.05	0.000	0.002	0.1438	0.2294	0.0033	2.76E-08
55		*	0.01	0.000	0.002	0.1440	0.2335	0.0033	2.80E-08
56		*	0.07	0.000	0.002	0.1468	0.2375	0.0034	2.85E-08

57		*	0.00	0.000	0.000	0.1468	0.2414	0.0034	2.90E-08
58	*	*	0.00	0.000	0.000	0.1468	0.2454	0.0035	2.95E-08
59		*	0.00	0.000	0.000	0.1468	0.2493	0.0035	3.00E-08
60		*	0.00	0.000	0.000	0.1468	0.2532	0.0036	3.04E-08
61		*	0.00	0.000	0.000	0.1468	0.2570	0.0036	3.09E-08
62		*	0.00	0.000	0.000	0.1468	0.2608	0.0037	3.13E-08
63		*	0.00	0.000	0.000	0.1468	0.2646	0.0037	3.18E-08
64	*	*	0.00	0.000	0.000	0.1468	0.2683	0.0038	3.23E-08
65		*	0.00	0.000	0.000	0.1468	0.2720	0.0039	3.27E-08
66		*	0.00	0.000	0.000	0.1468	0.2756	0.0039	3.31E-08
67			0.00	0.000	0.025	0.1457	0.2793	0.0040	3.36E-08
68	*		0.19	0.000	0.038	0.1465	0.2828	0.0040	3.40E-08
69	*		0.00	0.000	0.018	0.1474	0.2864	0.0041	3.44E-08
70			0.00	0.000	0.050	0.1493	0.2899	0.0041	3.49E-08
71			0.00	0.000	0.024	0.1483	0.2933	0.0042	3.53E-08
72			0.00	0.000	0.023	0.1473	0.2967	0.0042	3.57E-08
73			0.00	0.000	0.023	0.1464	0.3001	0.0043	3.61E-08
74			0.00	0.000	0.023	0.1454	0.3034	0.0043	3.65E-08
75			0.12	0.000	0.023	0.1495	0.3066	0.0043	3.69E-08
76			0.00	0.000	0.021	0.1487	0.3095	0.0044	3.72E-08
77			0.00	0.000	0.020	0.1478	0.3128	0.0044	3.76E-08
78			0.00	0.000	0.020	0.1470	0.3160	0.0045	3.80E-08
79			0.01	0.000	0.021	0.1464	0.3191	0.0045	3.84E-08
80			0.17	0.000	0.021	0.1526	0.3222	0.0046	3.88E-08
81	*		0.00	0.000	0.000	0.1526	0.3253	0.0046	3.92E-08
82	*		0.00	0.000	0.000	0.1526	0.3283	0.0047	3.95E-08
83	*		0.05	0.000	0.003	0.1534	0.3313	0.0047	3.99E-08
84	*		0.05	0.000	0.000	0.1542	0.3342	0.0047	4.02E-08
85			0.00	0.000	0.111	0.1521	0.3369	0.0048	4.06E-08
86			0.00	0.000	0.270	0.1409	0.3393	0.0048	4.08E-08
87			0.01	0.000	0.185	0.1335	0.3421	0.0048	4.12E-08
88			0.00	0.000	0.078	0.1305	0.3449	0.0049	4.15E-08

89		0.00	0.000	0.058	0.1280	0.3477	0.0049	4.19E-08
90	*	0.05	0.000	0.024	0.1289	0.3504	0.0050	4.22E-08
91	*	0.31	0.000	0.024	0.1297	0.3531	0.0050	4.25E-08
92	*	0.00	0.000	0.037	0.1305	0.3557	0.0050	4.28E-08
93	*	0.00	0.000	0.016	0.1313	0.3583	0.0051	4.32E-08
94		0.00	0.000	0.091	0.1351	0.3608	0.0051	4.35E-08
95	*	0.00	0.000	0.000	0.1351	0.3633	0.0051	4.38E-08
96	*	0.00	0.000	0.049	0.1330	0.3658	0.0052	4.41E-08
97	*	0.00	0.000	0.043	0.1312	0.3682	0.0052	4.44E-08
98		0.05	0.000	0.041	0.1318	0.3705	0.0052	4.46E-08
99		0.00	0.000	0.036	0.1303	0.3728	0.0053	4.49E-08
100		0.00	0.000	0.034	0.1289	0.3751	0.0053	4.52E-08
101		0.00	0.000	0.032	0.1276	0.3773	0.0053	4.55E-08
102		0.00	0.000	0.030	0.1263	0.3785	0.0054	4.56E-08
103		0.37	0.000	0.030	0.1404	0.3805	0.0054	4.59E-08
104		0.69	0.000	0.029	0.1678	0.3827	0.0054	4.61E-08
105		0.35	0.000	0.365	0.1671	0.3849	0.0055	4.64E-08
106		0.03	0.000	0.324	0.1549	0.3870	0.0055	4.66E-08
107		0.00	0.000	0.146	0.1488	0.3891	0.0055	4.69E-08
108		0.00	0.000	0.174	0.1416	0.3911	0.0055	4.71E-08
109		0.77	0.000	0.078	0.1704	0.3931	0.0056	4.74E-08
110		0.00	0.000	0.500	0.1496	0.3950	0.0056	4.76E-08
111		0.00	0.000	0.058	0.1472	0.3969	0.0056	4.79E-08
112		0.00	0.000	0.049	0.1451	0.3987	0.0056	4.81E-08
113		0.30	0.000	0.045	0.1559	0.4005	0.0057	4.83E-08
114	*	0.00	0.000	0.049	0.1538	0.4016	0.0057	4.84E-08
115		0.00	0.000	0.229	0.1440	0.4002	0.0057	4.82E-08
116		0.00	0.000	0.184	0.1364	0.4002	0.0057	4.83E-08
117		0.00	0.000	0.075	0.1332	0.4019	0.0057	4.85E-08
118		0.00	0.000	0.058	0.1308	0.4040	0.0057	4.87E-08
119		0.00	0.000	0.049	0.1287	0.4063	0.0058	4.90E-08
120		0.00	0.000	0.043	0.1269	0.4085	0.0058	4.93E-08

121		0.00	0.000	0.039	0.1253	0.4106	0.0058	4.95E-08
122		0.24	0.000	0.037	0.1336	0.4106	0.0058	4.95E-08
123	*	0.46	0.000	0.034	0.1344	0.4094	0.0058	4.94E-08
124	*	0.00	0.000	0.028	0.1352	0.4085	0.0058	4.93E-08
125	*	0.00	0.000	0.038	0.1360	0.4078	0.0058	4.92E-08
126	*	0.00	0.000	0.022	0.1369	0.4074	0.0058	4.91E-08
127		0.00	0.000	0.146	0.1415	0.4072	0.0058	4.91E-08
128	*	0.00	0.000	0.000	0.1415	0.4072	0.0058	4.91E-08
129	*	0.00	0.000	0.000	0.1415	0.4075	0.0058	4.91E-08
130		0.06	0.000	0.035	0.1427	0.4079	0.0058	4.92E-08
131		0.05	0.000	0.033	0.1432	0.4085	0.0058	4.93E-08
132		0.00	0.000	0.030	0.1420	0.4106	0.0058	4.95E-08
133		0.00	0.000	0.029	0.1408	0.4130	0.0059	4.98E-08
134		0.10	0.000	0.029	0.1436	0.4137	0.0059	4.99E-08
135		0.03	0.000	0.028	0.1437	0.4146	0.0059	5.00E-08
136		0.00	0.000	0.026	0.1427	0.4157	0.0059	5.01E-08
137		0.19	0.000	0.026	0.1496	0.4168	0.0059	5.03E-08
138		0.00	0.000	0.158	0.1430	0.4181	0.0059	5.04E-08
139		0.00	0.000	0.024	0.1419	0.4200	0.0060	5.07E-08
140		0.00	0.000	0.024	0.1409	0.4214	0.0060	5.08E-08
141		0.99	0.000	0.025	0.1813	0.4236	0.0060	5.11E-08
142		0.62	0.000	0.410	0.1886	0.4270	0.0061	5.15E-08
143		0.00	0.000	0.157	0.1821	0.4299	0.0061	5.19E-08
144		0.04	0.000	0.146	0.1776	0.4338	0.0061	5.23E-08
145		0.09	0.000	0.265	0.1702	0.4380	0.0062	5.29E-08
146		0.00	0.000	0.226	0.1607	0.4427	0.0063	5.34E-08
147		0.00	0.000	0.266	0.1497	0.4471	0.0063	5.40E-08
148		0.00	0.000	0.138	0.1439	0.4511	0.0064	5.45E-08
149		0.00	0.000	0.187	0.1362	0.4548	0.0064	5.49E-08
150		0.00	0.000	0.082	0.1328	0.4582	0.0065	5.53E-08
151		0.05	0.000	0.062	0.1323	0.4614	0.0065	5.57E-08
152		0.00	0.000	0.053	0.1301	0.4642	0.0066	5.61E-08

153	0.00	0.000	0.047	0.1281	0.4669	0.0066	5.64E-08
154	0.00	0.000	0.046	0.1262	0.4693	0.0066	5.67E-08
155	0.00	0.000	0.039	0.1245	0.4715	0.0067	5.69E-08
156	0.00	0.000	0.040	0.1228	0.4735	0.0067	5.72E-08
157	0.23	0.000	0.040	0.1308	0.4753	0.0067	5.74E-08
158	0.37	0.000	0.034	0.1445	0.4769	0.0068	5.76E-08
159	0.32	0.000	0.033	0.1564	0.4784	0.0068	5.78E-08
160	0.00	0.000	0.137	0.1505	0.4792	0.0068	5.79E-08
161	0.00	0.000	0.129	0.1446	0.4796	0.0068	5.79E-08
162	0.00	0.000	0.264	0.1325	0.4783	0.0068	5.78E-08
163	0.11	0.000	0.177	0.1295	0.4770	0.0068	5.76E-08
164	0.04	0.000	0.080	0.1275	0.4781	0.0068	5.77E-08
165	0.23	0.000	0.065	0.1343	0.4774	0.0068	5.77E-08
166	0.47	0.000	0.058	0.1511	0.4755	0.0067	5.74E-08
167	0.11	0.000	0.109	0.1507	0.4744	0.0067	5.73E-08
168	0.00	0.000	0.272	0.1388	0.4743	0.0067	5.73E-08
169	0.06	0.000	0.153	0.1345	0.4746	0.0067	5.73E-08
170	0.05	0.000	0.082	0.1330	0.4728	0.0067	5.71E-08
171	0.01	0.000	0.074	0.1300	0.4712	0.0067	5.69E-08
172	0.02	0.000	0.062	0.1282	0.4719	0.0067	5.70E-08
173	0.01	0.000	0.051	0.1263	0.4738	0.0067	5.72E-08
174	0.02	0.000	0.047	0.1251	0.4740	0.0067	5.72E-08
175	0.07	0.000	0.045	0.1258	0.4745	0.0067	5.73E-08
176	0.00	0.000	0.050	0.1236	0.4736	0.0067	5.72E-08
177	0.00	0.000	0.055	0.1211	0.4739	0.0067	5.72E-08
178	0.00	0.000	0.044	0.1193	0.4757	0.0067	5.74E-08
179	0.00	0.000	0.048	0.1173	0.4796	0.0068	5.79E-08
180	0.00	0.000	0.057	0.1149	0.4831	0.0068	5.84E-08
181	0.00	0.000	0.041	0.1132	0.4856	0.0069	5.87E-08
182	0.00	0.000	0.052	0.1110	0.4883	0.0069	5.90E-08
183	0.00	0.000	0.056	0.1087	0.4907	0.0070	5.93E-08
184	0.07	0.000	0.040	0.1097	0.4908	0.0070	5.93E-08

185	0.66	0.000	0.058	0.1347	0.4875	0.0069	5.89E-08
186	0.06	0.000	0.216	0.1276	0.4848	0.0069	5.86E-08
187	0.27	0.000	0.041	0.1370	0.4856	0.0069	5.87E-08
188	0.00	0.000	0.140	0.1310	0.4852	0.0069	5.86E-08
189	0.28	0.000	0.181	0.1343	0.4838	0.0069	5.84E-08
190	0.27	0.000	0.202	0.1368	0.4837	0.0069	5.84E-08
191	0.67	0.000	0.105	0.1600	0.4820	0.0068	5.82E-08
192	0.22	0.000	0.181	0.1609	0.4806	0.0068	5.80E-08
193	0.00	0.000	0.235	0.1504	0.4801	0.0068	5.80E-08
194	0.00	0.000	0.176	0.1426	0.4799	0.0068	5.80E-08
195	0.00	0.000	0.165	0.1351	0.4829	0.0068	5.83E-08
196	0.00	0.000	0.253	0.1237	0.4814	0.0068	5.81E-08
197	0.03	0.000	0.092	0.1211	0.4822	0.0068	5.82E-08
198	0.14	0.000	0.132	0.1209	0.4864	0.0069	5.88E-08
199	0.36	0.000	0.084	0.1318	0.4856	0.0069	5.87E-08
200	0.00	0.000	0.138	0.1253	0.4829	0.0068	5.83E-08
201	0.58	0.000	0.114	0.1447	0.4874	0.0069	5.89E-08
202	2.27	0.000	0.122	0.2342	0.4929	0.0070	5.96E-08
203	0.00	0.000	0.120	0.2291	0.4938	0.0070	5.97E-08
204	0.00	0.000	0.314	0.2160	0.4980	0.0071	6.02E-08
205	0.00	0.000	0.331	0.2022	0.5021	0.0071	6.07E-08
206	0.10	0.000	0.362	0.1913	0.5055	0.0072	6.11E-08
207	0.04	0.000	0.146	0.1868	0.5084	0.0072	6.14E-08
208	0.00	0.000	0.391	0.1705	0.5107	0.0072	6.17E-08
209	0.00	0.000	0.303	0.1579	0.5125	0.0073	6.19E-08
210	0.00	0.000	0.190	0.1500	0.5138	0.0073	6.21E-08
211	0.00	0.000	0.167	0.1431	0.5148	0.0073	6.22E-08
212	0.23	0.000	0.168	0.1456	0.5135	0.0073	6.21E-08
213	1.02	0.000	0.156	0.1818	0.5132	0.0073	6.20E-08
214	0.00	0.000	0.189	0.1739	0.5133	0.0073	6.20E-08
215	0.01	0.000	0.221	0.1653	0.5131	0.0073	6.20E-08
216	0.67	0.000	0.262	0.1822	0.5126	0.0073	6.20E-08

217	1.05	0.000	0.278	0.2143	0.5119	0.0073	6.19E-08
218	0.21	0.000	0.165	0.2162	0.5108	0.0072	6.17E-08
219	0.30	0.000	0.269	0.2176	0.5096	0.0072	6.16E-08
220	0.00	0.000	0.252	0.2071	0.5081	0.0072	6.14E-08
221	0.00	0.000	0.247	0.1964	0.5059	0.0072	6.11E-08
222	0.55	0.000	0.245	0.2082	0.4978	0.0071	6.02E-08
223	0.14	0.000	0.132	0.2081	0.4893	0.0069	5.91E-08
224	0.38	0.000	0.169	0.2163	0.4880	0.0069	5.89E-08
225	0.00	0.000	0.111	0.2115	0.4832	0.0068	5.84E-08
226	0.00	0.000	0.126	0.2059	0.4806	0.0068	5.80E-08
227	0.00	0.000	0.258	0.1945	0.4729	0.0067	5.71E-08
228	0.00	0.000	0.179	0.1865	0.4653	0.0066	5.62E-08
229	0.00	0.000	0.244	0.1757	0.4582	0.0065	5.53E-08
230	0.00	0.000	0.121	0.1703	0.4515	0.0064	5.45E-08
231	0.14	0.000	0.256	0.1647	0.4455	0.0063	5.38E-08
232	1.01	0.000	0.207	0.1976	0.4413	0.0063	5.33E-08
233	0.08	0.000	0.124	0.1955	0.4374	0.0062	5.28E-08
234	0.02	0.000	0.129	0.1905	0.4324	0.0061	5.22E-08
235	0.00	0.000	0.223	0.1808	0.4279	0.0061	5.16E-08
236	0.00	0.000	0.187	0.1728	0.4274	0.0061	5.16E-08
237	0.00	0.000	0.198	0.1645	0.4326	0.0061	5.22E-08
238	0.09	0.000	0.131	0.1629	0.4404	0.0062	5.31E-08
239	0.35	0.000	0.118	0.1722	0.4463	0.0063	5.39E-08
240	0.39	0.000	0.115	0.1834	0.4424	0.0063	5.34E-08
241	0.00	0.000	0.241	0.1734	0.4444	0.0063	5.36E-08
242	0.00	0.000	0.164	0.1665	0.4505	0.0064	5.44E-08
243	0.09	0.000	0.208	0.1615	0.4557	0.0065	5.50E-08
244	0.31	0.000	0.164	0.1673	0.4601	0.0065	5.56E-08
245	0.00	0.000	0.119	0.1622	0.4579	0.0065	5.53E-08
246	0.07	0.000	0.137	0.1593	0.4523	0.0064	5.46E-08
247	0.12	0.000	0.136	0.1585	0.4470	0.0063	5.40E-08
248	0.19	0.000	0.151	0.1599	0.4443	0.0063	5.36E-08

249		0.00	0.000	0.104	0.1553	0.4402	0.0062	5.31E-08
250		0.12	0.000	0.064	0.1577	0.4389	0.0062	5.30E-08
251		0.00	0.000	0.103	0.1532	0.4356	0.0062	5.26E-08
252		0.05	0.000	0.101	0.1507	0.4313	0.0061	5.20E-08
253		0.00	0.000	0.113	0.1459	0.4264	0.0060	5.14E-08
254		0.00	0.000	0.106	0.1413	0.4264	0.0060	5.14E-08
255		0.00	0.000	0.102	0.1369	0.4219	0.0060	5.09E-08
256		0.00	0.000	0.052	0.1346	0.4238	0.0060	5.11E-08
257		0.00	0.000	0.076	0.1313	0.4244	0.0060	5.12E-08
258		0.00	0.000	0.036	0.1297	0.4240	0.0060	5.11E-08
259	*	0.00	0.000	0.059	0.1271	0.4248	0.0060	5.12E-08
260	*	0.00	0.000	0.028	0.1259	0.4261	0.0060	5.14E-08
261		0.00	0.000	0.045	0.1239	0.4276	0.0061	5.16E-08
262		0.09	0.000	0.060	0.1251	0.4284	0.0061	5.17E-08
263		0.00	0.000	0.037	0.1235	0.4288	0.0061	5.17E-08
264		0.00	0.000	0.034	0.1221	0.4309	0.0061	5.20E-08
265		0.00	0.000	0.032	0.1207	0.4348	0.0062	5.25E-08
266		0.00	0.000	0.029	0.1194	0.4354	0.0062	5.25E-08
267		0.00	0.000	0.028	0.1182	0.4354	0.0062	5.25E-08
268	*	0.00	0.000	0.026	0.1170	0.4357	0.0062	5.26E-08
269		0.04	0.000	0.042	0.1168	0.4379	0.0062	5.28E-08
270		0.00	0.000	0.024	0.1157	0.4406	0.0062	5.32E-08
271		0.00	0.000	0.023	0.1147	0.4398	0.0062	5.31E-08
272		0.00	0.000	0.023	0.1137	0.4392	0.0062	5.30E-08
273		0.31	0.000	0.035	0.1251	0.4394	0.0062	5.30E-08
274		0.00	0.000	0.021	0.1242	0.4417	0.0063	5.33E-08
275		0.00	0.000	0.021	0.1233	0.4434	0.0063	5.35E-08
276		0.00	0.000	0.020	0.1225	0.4427	0.0063	5.34E-08
277		0.00	0.000	0.020	0.1216	0.4420	0.0063	5.33E-08
278	*	0.00	0.000	0.019	0.1208	0.4398	0.0062	5.31E-08
279		0.00	0.000	0.019	0.1200	0.4391	0.0062	5.30E-08
280		0.00	0.000	0.018	0.1192	0.4372	0.0062	5.28E-08

281		0.00	0.000	0.018	0.1184	0.4351	0.0062	5.25E-08
282		0.41	0.000	0.031	0.1342	0.4327	0.0061	5.22E-08
283		0.06	0.000	0.030	0.1356	0.4303	0.0061	5.19E-08
284		0.19	0.000	0.142	0.1375	0.4246	0.0060	5.12E-08
285		0.00	0.000	0.061	0.1351	0.4181	0.0059	5.04E-08
286	*	0.00	0.000	0.000	0.1351	0.4161	0.0059	5.02E-08
287		0.00	0.000	0.073	0.1319	0.4129	0.0058	4.98E-08
288	*	0.00	0.000	0.000	0.1319	0.4075	0.0058	4.91E-08
289		0.00	0.000	0.093	0.1278	0.4058	0.0057	4.89E-08
290		0.00	0.000	0.075	0.1246	0.4008	0.0057	4.83E-08
291		0.00	0.000	0.057	0.1221	0.3953	0.0056	4.77E-08
292		0.00	0.000	0.048	0.1200	0.3899	0.0055	4.70E-08
293		0.00	0.000	0.042	0.1182	0.3863	0.0055	4.66E-08
294		0.00	0.000	0.038	0.1165	0.3834	0.0054	4.62E-08
295		0.10	0.000	0.042	0.1188	0.3818	0.0054	4.60E-08
296	*	0.01	0.000	0.009	0.1188	0.3819	0.0054	4.60E-08
297	*	0.17	0.000	0.016	0.1196	0.3841	0.0054	4.63E-08
298	*	0.00	0.000	0.034	0.1205	0.3859	0.0055	4.65E-08
299		0.00	0.000	0.049	0.1217	0.3873	0.0055	4.67E-08
300		0.00	0.000	0.033	0.1203	0.3865	0.0055	4.66E-08
301		0.00	0.000	0.031	0.1190	0.3834	0.0054	4.62E-08
302		0.00	0.000	0.029	0.1177	0.3824	0.0054	4.61E-08
303		0.00	0.000	0.027	0.1165	0.3797	0.0054	4.58E-08
304	*	0.00	0.000	0.024	0.1155	0.3770	0.0053	4.54E-08
305		0.00	0.000	0.025	0.1144	0.3746	0.0053	4.51E-08
306		0.00	0.000	0.024	0.1133	0.3724	0.0053	4.49E-08
307		0.00	0.000	0.023	0.1123	0.3703	0.0052	4.46E-08
308		0.11	0.000	0.036	0.1151	0.3686	0.0052	4.44E-08
309		0.00	0.000	0.022	0.1142	0.3665	0.0052	4.42E-08
310		0.00	0.000	0.021	0.1132	0.3649	0.0052	4.40E-08
311		0.00	0.000	0.021	0.1123	0.3631	0.0051	4.37E-08
312		0.00	0.000	0.020	0.1115	0.3625	0.0051	4.37E-08

313		0.95	0.000	0.033	0.1495	0.3622	0.0051	4.36E-08
314	*	0.02	0.000	0.025	0.1496	0.3609	0.0051	4.35E-08
315	*	0.00	0.000	0.000	0.1496	0.3616	0.0051	4.36E-08
316	*	0.00	0.000	0.020	0.1487	0.3608	0.0051	4.35E-08
317		0.00	0.000	0.046	0.1467	0.3576	0.0051	4.31E-08
318		0.00	0.000	0.112	0.1417	0.3502	0.0050	4.22E-08
319		0.00	0.000	0.175	0.1340	0.3416	0.0048	4.11E-08
320		0.00	0.000	0.034	0.1325	0.3375	0.0048	4.06E-08
321		0.00	0.000	0.034	0.1310	0.3365	0.0048	4.05E-08
322		0.05	0.000	0.037	0.1313	0.3352	0.0047	4.04E-08
323	*	0.00	0.000	0.020	0.1305	0.3352	0.0047	4.04E-08
324	*	0.00	0.000	0.000	0.1305	0.3357	0.0048	4.04E-08
325		0.00	0.000	0.023	0.1295	0.3368	0.0048	4.05E-08
326		0.00	0.000	0.042	0.1276	0.3349	0.0047	4.03E-08
327		0.75	0.000	0.051	0.1568	0.3319	0.0047	4.00E-08
328		0.01	0.000	0.052	0.1551	0.3289	0.0047	3.96E-08
329	*	0.00	0.000	0.018	0.1544	0.3268	0.0046	3.93E-08
330	*	0.08	0.000	0.020	0.1552	0.3279	0.0046	3.95E-08
331	*	0.00	0.000	0.024	0.1558	0.3305	0.0047	3.98E-08
332	*	0.00	0.000	0.000	0.1558	0.3328	0.0047	4.01E-08
333		0.00	0.000	0.022	0.1549	0.3347	0.0047	4.03E-08
334		0.00	0.000	0.038	0.1533	0.3363	0.0048	4.05E-08
335		0.00	0.000	0.084	0.1496	0.3353	0.0048	4.04E-08
336		0.00	0.000	0.042	0.1478	0.3326	0.0047	4.00E-08
337		0.00	0.000	0.033	0.1463	0.3291	0.0047	3.96E-08
338	*	0.00	0.000	0.000	0.1463	0.3283	0.0047	3.95E-08
339	*	0.02	0.000	0.005	0.1472	0.3302	0.0047	3.97E-08
340	*	0.01	0.000	0.003	0.1474	0.3318	0.0047	3.99E-08
341	*	0.21	0.000	0.001	0.1482	0.3330	0.0047	4.01E-08
342	*	0.01	0.000	0.004	0.1490	0.3341	0.0047	4.02E-08
343		0.00	0.000	0.023	0.1513	0.3349	0.0047	4.03E-08
344		0.00	0.000	0.023	0.1546	0.3355	0.0048	4.04E-08

345			0.00	0.000	0.041	0.1528	0.3336	0.0047	4.02E-08
346			0.02	0.000	0.040	0.1520	0.3290	0.0047	3.96E-08
347			0.13	0.000	0.039	0.1558	0.3256	0.0046	3.92E-08
348			0.00	0.000	0.027	0.1547	0.3225	0.0046	3.88E-08
349			0.00	0.000	0.039	0.1529	0.3198	0.0045	3.85E-08
350			0.00	0.000	0.065	0.1501	0.3148	0.0045	3.79E-08
351			0.00	0.000	0.066	0.1472	0.3106	0.0044	3.74E-08
352			0.00	0.000	0.027	0.1460	0.3069	0.0043	3.69E-08
353	*		0.00	0.000	0.000	0.1460	0.3071	0.0044	3.70E-08
354	*		0.00	0.000	0.000	0.1460	0.3099	0.0044	3.73E-08
355	*		0.00	0.000	0.000	0.1460	0.3123	0.0044	3.76E-08
356	*		0.00	0.000	0.000	0.1460	0.3145	0.0045	3.78E-08
357	*		0.00	0.000	0.016	0.1453	0.3156	0.0045	3.80E-08
358	*	*	0.10	0.000	0.024	0.1453	0.3169	0.0045	3.81E-08
359	*	*	0.00	0.000	0.010	0.1453	0.3184	0.0045	3.83E-08
360	*	*	0.00	0.000	0.005	0.1453	0.3197	0.0045	3.85E-08
361	*	*	0.00	0.000	0.002	0.1453	0.3208	0.0045	3.86E-08
362	*	*	0.00	0.000	0.001	0.1453	0.3218	0.0046	3.87E-08
363	*	*	0.00	0.000	0.009	0.1453	0.3225	0.0046	3.88E-08
364		*	0.00	0.000	0.024	0.1465	0.3231	0.0046	3.89E-08
365		*	0.00	0.000	0.000	0.1465	0.3235	0.0046	3.89E-08

* = Frozen (air or soil)

Annual Totals for Year 5			
	inches	cubic feet	percent
Precipitation	26.66	813,999.4	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	25.479	777,827.3	95.56
Drainage Collected from Layer 2	1.8724	57,161.7	7.02
Percolation/Leakage through Layer 4	0.000016	0.4871	0.00

Average Head on Top of Layer 3	0.3621	---	---
Change in Water Storage	-0.6876	-20,990.0	-2.58
Soil Water at Start of Year	54.8643	1,674,915.1	205.76
Soil Water at End of Year	54.1768	1,653,925.1	203.19
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 6

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1465	0.3238	0.0046	3.90E-08
2	*	*	0.00	0.000	0.000	0.1465	0.3239	0.0046	3.90E-08
3	*	*	0.00	0.000	0.004	0.1465	0.3240	0.0046	3.90E-08
4		*	0.11	0.000	0.013	0.1504	0.3239	0.0046	3.90E-08
5	*	*	0.00	0.000	0.000	0.1504	0.3238	0.0046	3.90E-08
6	*	*	0.00	0.000	0.000	0.1504	0.3235	0.0046	3.89E-08
7		*	0.00	0.000	0.000	0.1504	0.3232	0.0046	3.89E-08
8	*	*	0.00	0.000	0.000	0.1504	0.3228	0.0046	3.89E-08
9		*	0.00	0.000	0.000	0.1504	0.3223	0.0046	3.88E-08
10		*	0.00	0.000	0.000	0.1504	0.3218	0.0046	3.87E-08
11	*	*	0.00	0.000	0.000	0.1504	0.3212	0.0046	3.87E-08
12	*	*	0.00	0.000	0.000	0.1504	0.3206	0.0045	3.86E-08
13		*	0.00	0.000	0.000	0.1504	0.3199	0.0045	3.85E-08
14		*	0.00	0.000	0.000	0.1504	0.3192	0.0045	3.84E-08
15		*	0.00	0.000	0.000	0.1504	0.3185	0.0045	3.83E-08
16		*	0.00	0.000	0.000	0.1504	0.3177	0.0045	3.82E-08
17		*	0.00	0.000	0.001	0.1504	0.3170	0.0045	3.81E-08
18		*	0.00	0.000	0.000	0.1504	0.3162	0.0045	3.80E-08
19	*	*	0.00	0.000	0.000	0.1504	0.3154	0.0045	3.80E-08
20	*	*	0.04	0.000	0.024	0.1504	0.3145	0.0045	3.79E-08
21		*	0.00	0.000	0.018	0.1504	0.3137	0.0044	3.78E-08
22		*	0.02	0.000	0.010	0.1508	0.3129	0.0044	3.77E-08
23		*	0.05	0.000	0.013	0.1524	0.3121	0.0044	3.76E-08
24		*	0.00	0.000	0.004	0.1524	0.3112	0.0044	3.75E-08

25		*	0.00	0.000	0.000	0.1524	0.3104	0.0044	3.74E-08
26	*	*	0.00	0.000	0.000	0.1524	0.3096	0.0044	3.73E-08
27	*	*	0.00	0.000	0.000	0.1524	0.3088	0.0044	3.72E-08
28	*	*	0.00	0.000	0.000	0.1524	0.3080	0.0044	3.71E-08
29		*	0.00	0.000	0.000	0.1524	0.3072	0.0044	3.70E-08
30		*	0.00	0.000	0.000	0.1524	0.3065	0.0043	3.69E-08
31	*	*	0.00	0.000	0.000	0.1524	0.3057	0.0043	3.68E-08
32	*	*	0.00	0.000	0.000	0.1524	0.3050	0.0043	3.67E-08
33	*	*	0.00	0.000	0.000	0.1524	0.3043	0.0043	3.66E-08
34		*	0.00	0.000	0.000	0.1524	0.3036	0.0043	3.65E-08
35		*	0.00	0.000	0.000	0.1524	0.3029	0.0043	3.64E-08
36		*	0.00	0.000	0.000	0.1524	0.3023	0.0043	3.64E-08
37	*	*	0.00	0.000	0.000	0.1524	0.3017	0.0043	3.63E-08
38		*	0.00	0.000	0.000	0.1524	0.3011	0.0043	3.62E-08
39	*	*	0.00	0.000	0.000	0.1524	0.3005	0.0043	3.61E-08
40		*	0.00	0.000	0.000	0.1524	0.2999	0.0042	3.61E-08
41		*	0.00	0.000	0.000	0.1524	0.2994	0.0042	3.60E-08
42	*	*	0.00	0.000	0.000	0.1524	0.2989	0.0042	3.60E-08
43		*	0.00	0.000	0.000	0.1524	0.2984	0.0042	3.59E-08
44		*	0.00	0.000	0.000	0.1524	0.2980	0.0042	3.58E-08
45	*	*	0.00	0.000	0.000	0.1524	0.2975	0.0042	3.58E-08
46	*	*	0.00	0.000	0.000	0.1524	0.2971	0.0042	3.57E-08
47	*	*	0.00	0.000	0.000	0.1524	0.2968	0.0042	3.57E-08
48	*	*	0.00	0.000	0.000	0.1524	0.2964	0.0042	3.57E-08
49		*	0.00	0.000	0.000	0.1524	0.2961	0.0042	3.56E-08
50		*	0.00	0.000	0.000	0.1524	0.2958	0.0042	3.56E-08
51		*	0.00	0.000	0.000	0.1524	0.2955	0.0042	3.55E-08
52		*	0.00	0.000	0.000	0.1524	0.2953	0.0042	3.55E-08
53	*	*	0.00	0.000	0.000	0.1524	0.2951	0.0042	3.55E-08
54	*	*	0.06	0.000	0.037	0.1524	0.2949	0.0042	3.55E-08
55		*	0.15	0.000	0.071	0.1566	0.2947	0.0042	3.54E-08
56		*	0.03	0.000	0.011	0.1572	0.2946	0.0042	3.54E-08

57		*	0.00	0.000	0.003	0.1573	0.2945	0.0042	3.54E-08
58		*	0.00	0.000	0.000	0.1573	0.2944	0.0042	3.54E-08
59		*	0.00	0.000	0.000	0.1573	0.2943	0.0042	3.54E-08
60		*	0.13	0.000	0.013	0.1621	0.2943	0.0042	3.54E-08
61			0.15	0.000	0.156	0.1617	0.2940	0.0042	3.54E-08
62			0.00	0.000	0.058	0.1592	0.2907	0.0041	3.50E-08
63			0.00	0.000	0.061	0.1565	0.2862	0.0041	3.44E-08
64			0.00	0.000	0.079	0.1530	0.2828	0.0040	3.40E-08
65	*		0.00	0.000	0.000	0.1530	0.2817	0.0040	3.39E-08
66			0.00	0.000	0.055	0.1507	0.2833	0.0040	3.41E-08
67			0.19	0.000	0.084	0.1551	0.2849	0.0040	3.43E-08
68			0.21	0.000	0.092	0.1599	0.2863	0.0041	3.44E-08
69	*		0.00	0.000	0.004	0.1599	0.2878	0.0041	3.46E-08
70	*		0.03	0.000	0.071	0.1579	0.2888	0.0041	3.47E-08
71			0.00	0.000	0.070	0.1549	0.2877	0.0041	3.46E-08
72	*		0.02	0.000	0.016	0.1549	0.2883	0.0041	3.47E-08
73	*		0.01	0.000	0.015	0.1549	0.2899	0.0041	3.49E-08
74	*		0.02	0.000	0.019	0.1549	0.2915	0.0041	3.51E-08
75	*		0.00	0.000	0.000	0.1549	0.2929	0.0042	3.52E-08
76	*		0.00	0.000	0.000	0.1549	0.2943	0.0042	3.54E-08
77			0.03	0.000	0.056	0.1538	0.2940	0.0042	3.54E-08
78			0.12	0.000	0.149	0.1526	0.2921	0.0041	3.51E-08
79	*		0.69	0.000	0.028	0.1534	0.2936	0.0042	3.53E-08
80	*		0.00	0.000	0.023	0.1542	0.2953	0.0042	3.55E-08
81			0.00	0.000	0.000	0.1793	0.2969	0.0042	3.57E-08
82			0.02	0.000	0.068	0.1771	0.2966	0.0042	3.57E-08
83			0.00	0.000	0.054	0.1748	0.2943	0.0042	3.54E-08
84			0.00	0.000	0.091	0.1710	0.2961	0.0042	3.56E-08
85			0.00	0.000	0.099	0.1669	0.2980	0.0042	3.58E-08
86			0.00	0.000	0.318	0.1534	0.2989	0.0042	3.60E-08
87			0.00	0.000	0.159	0.1465	0.2986	0.0042	3.59E-08
88			0.00	0.000	0.219	0.1369	0.2970	0.0042	3.57E-08

89		0.00	0.000	0.154	0.1301	0.2951	0.0042	3.55E-08
90		0.00	0.000	0.111	0.1252	0.2944	0.0042	3.54E-08
91		0.00	0.000	0.074	0.1219	0.2926	0.0041	3.52E-08
92	*	0.01	0.000	0.012	0.1216	0.2919	0.0041	3.51E-08
93	*	0.02	0.000	0.022	0.1216	0.2955	0.0042	3.55E-08
94	*	0.00	0.000	0.000	0.1216	0.2993	0.0042	3.60E-08
95	*	0.02	0.000	0.019	0.1216	0.3028	0.0043	3.64E-08
96	*	0.00	0.000	0.000	0.1216	0.3061	0.0043	3.68E-08
97	*	0.00	0.000	0.000	0.1216	0.3092	0.0044	3.72E-08
98	*	0.00	0.000	0.000	0.1216	0.3120	0.0044	3.75E-08
99	*	0.00	0.000	0.000	0.1216	0.3146	0.0045	3.79E-08
100	*	0.00	0.000	0.000	0.1216	0.3171	0.0045	3.82E-08
101	*	0.24	0.000	0.005	0.1224	0.3194	0.0045	3.84E-08
102		0.01	0.000	0.087	0.1282	0.3215	0.0046	3.87E-08
103		0.00	0.000	0.053	0.1260	0.3235	0.0046	3.89E-08
104	*	0.03	0.000	0.031	0.1260	0.3253	0.0046	3.92E-08
105	*	0.00	0.000	0.000	0.1260	0.3269	0.0046	3.94E-08
106	*	0.68	0.000	0.008	0.1268	0.3280	0.0046	3.95E-08
107	*	0.15	0.000	0.025	0.1275	0.3257	0.0046	3.92E-08
108	*	0.01	0.000	0.018	0.1283	0.3230	0.0046	3.89E-08
109		0.29	0.000	0.000	0.1704	0.3206	0.0045	3.86E-08
110		0.30	0.000	0.109	0.1777	0.3184	0.0045	3.83E-08
111		0.00	0.000	0.080	0.1741	0.3158	0.0045	3.80E-08
112		0.00	0.000	0.269	0.1618	0.3150	0.0045	3.79E-08
113		0.00	0.000	0.095	0.1574	0.3141	0.0045	3.78E-08
114		0.00	0.000	0.120	0.1519	0.3142	0.0045	3.78E-08
115		0.00	0.000	0.062	0.1491	0.3124	0.0044	3.76E-08
116	*	0.00	0.000	0.041	0.1473	0.3139	0.0044	3.78E-08
117		0.71	0.000	0.096	0.1731	0.3185	0.0045	3.83E-08
118		0.00	0.000	0.138	0.1673	0.3230	0.0046	3.89E-08
119		1.07	0.000	0.127	0.2065	0.3246	0.0046	3.91E-08
120		0.00	0.000	0.085	0.2026	0.3253	0.0046	3.92E-08

121		0.07	0.000	0.309	0.1928	0.3258	0.0046	3.92E-08
122		0.07	0.000	0.401	0.1790	0.3304	0.0047	3.98E-08
123		0.48	0.000	0.466	0.1797	0.3333	0.0047	4.01E-08
124		0.93	0.000	0.296	0.2060	0.3370	0.0048	4.06E-08
125		0.80	0.000	0.170	0.2320	0.3407	0.0048	4.10E-08
126		0.00	0.000	0.135	0.2264	0.3440	0.0049	4.14E-08
127		0.58	0.000	0.238	0.2404	0.3451	0.0049	4.16E-08
128		0.15	0.000	0.311	0.2337	0.3469	0.0049	4.18E-08
129		0.01	0.000	0.209	0.2251	0.3486	0.0049	4.20E-08
130		0.04	0.000	0.255	0.2160	0.3494	0.0049	4.21E-08
131		0.05	0.000	0.216	0.2090	0.3521	0.0050	4.24E-08
132		0.20	0.000	0.293	0.2053	0.3546	0.0050	4.27E-08
133		0.51	0.000	0.085	0.2232	0.3567	0.0051	4.30E-08
134		0.12	0.000	0.223	0.2187	0.3587	0.0051	4.32E-08
135		0.00	0.000	0.110	0.2141	0.3603	0.0051	4.34E-08
136	*	0.01	0.000	0.113	0.2100	0.3618	0.0051	4.36E-08
137		0.00	0.000	0.122	0.2049	0.3631	0.0051	4.37E-08
138		0.00	0.000	0.168	0.1979	0.3642	0.0052	4.39E-08
139		0.03	0.000	0.205	0.1907	0.3650	0.0052	4.40E-08
140		0.36	0.000	0.086	0.2021	0.3658	0.0052	4.41E-08
141		0.08	0.000	0.218	0.1957	0.3640	0.0052	4.39E-08
142		0.00	0.000	0.076	0.1924	0.3599	0.0051	4.34E-08
143		0.03	0.000	0.070	0.1907	0.3570	0.0051	4.30E-08
144		0.15	0.000	0.063	0.1945	0.3547	0.0050	4.27E-08
145		0.00	0.000	0.045	0.1926	0.3548	0.0050	4.27E-08
146		0.00	0.000	0.041	0.1908	0.3540	0.0050	4.26E-08
147		0.03	0.000	0.049	0.1900	0.3525	0.0050	4.25E-08
148		0.01	0.000	0.045	0.1886	0.3520	0.0050	4.24E-08
149		0.12	0.000	0.047	0.1917	0.3513	0.0050	4.23E-08
150		0.00	0.000	0.031	0.1901	0.3502	0.0050	4.22E-08
151		0.00	0.000	0.032	0.1885	0.3491	0.0049	4.20E-08
152		0.02	0.000	0.039	0.1875	0.3453	0.0049	4.16E-08

153	0.00	0.000	0.029	0.1859	0.3414	0.0048	4.11E-08
154	0.00	0.000	0.034	0.1842	0.3397	0.0048	4.09E-08
155	0.10	0.000	0.043	0.1862	0.3364	0.0048	4.05E-08
156	0.00	0.000	0.031	0.1846	0.3348	0.0047	4.03E-08
157	0.00	0.000	0.027	0.1831	0.3325	0.0047	4.00E-08
158	0.00	0.000	0.029	0.1813	0.3334	0.0047	4.01E-08
159	0.01	0.000	0.033	0.1798	0.3313	0.0047	3.99E-08
160	0.14	0.000	0.038	0.1838	0.3301	0.0047	3.97E-08
161	0.12	0.000	0.038	0.1869	0.3290	0.0047	3.96E-08
162	0.43	0.000	0.037	0.2033	0.3277	0.0046	3.94E-08
163	0.00	0.000	0.143	0.1971	0.3310	0.0047	3.98E-08
164	0.00	0.000	0.100	0.1928	0.3327	0.0047	4.00E-08
165	0.00	0.000	0.204	0.1837	0.3359	0.0048	4.04E-08
166	0.00	0.000	0.188	0.1756	0.3378	0.0048	4.07E-08
167	0.00	0.000	0.084	0.1718	0.3361	0.0048	4.05E-08
168	0.86	0.000	0.089	0.2033	0.3364	0.0048	4.05E-08
169	0.02	0.000	0.271	0.1917	0.3367	0.0048	4.05E-08
170	0.00	0.000	0.135	0.1856	0.3347	0.0047	4.03E-08
171	0.00	0.000	0.277	0.1734	0.3358	0.0048	4.04E-08
172	0.04	0.000	0.107	0.1701	0.3359	0.0048	4.04E-08
173	0.00	0.000	0.098	0.1658	0.3356	0.0048	4.04E-08
174	0.02	0.000	0.078	0.1633	0.3339	0.0047	4.02E-08
175	0.08	0.000	0.090	0.1628	0.3356	0.0048	4.04E-08
176	0.02	0.000	0.080	0.1598	0.3373	0.0048	4.06E-08
177	0.58	0.000	0.071	0.1807	0.3358	0.0048	4.04E-08
178	0.00	0.000	0.283	0.1687	0.3370	0.0048	4.06E-08
179	0.00	0.000	0.074	0.1656	0.3479	0.0049	4.19E-08
180	0.00	0.000	0.075	0.1625	0.3585	0.0051	4.32E-08
181	0.00	0.000	0.057	0.1601	0.3680	0.0052	4.43E-08
182	0.00	0.000	0.082	0.1568	0.3765	0.0053	4.54E-08
183	0.00	0.000	0.081	0.1534	0.3840	0.0054	4.63E-08
184	0.00	0.000	0.072	0.1504	0.3906	0.0055	4.71E-08

185	0.00	0.000	0.094	0.1465	0.3964	0.0056	4.78E-08
186	0.00	0.000	0.096	0.1425	0.4014	0.0057	4.84E-08
187	0.00	0.000	0.092	0.1387	0.4056	0.0057	4.89E-08
188	0.10	0.000	0.108	0.1382	0.4092	0.0058	4.94E-08
189	0.24	0.000	0.126	0.1431	0.4122	0.0058	4.97E-08
190	0.14	0.000	0.085	0.1455	0.4147	0.0059	5.00E-08
191	0.05	0.000	0.130	0.1419	0.4166	0.0059	5.02E-08
192	0.00	0.000	0.084	0.1384	0.4168	0.0059	5.03E-08
193	0.09	0.000	0.149	0.1359	0.4174	0.0059	5.03E-08
194	0.00	0.000	0.109	0.1313	0.4181	0.0059	5.04E-08
195	0.36	0.000	0.154	0.1398	0.4183	0.0059	5.05E-08
196	0.14	0.000	0.264	0.1346	0.4182	0.0059	5.04E-08
197	0.00	0.000	0.196	0.1265	0.4178	0.0059	5.04E-08
198	0.00	0.000	0.156	0.1200	0.4172	0.0059	5.03E-08
199	0.05	0.000	0.192	0.1141	0.4162	0.0059	5.02E-08
200	0.00	0.000	0.180	0.1066	0.4150	0.0059	5.00E-08
201	0.02	0.000	0.215	0.0983	0.4135	0.0059	4.99E-08
202	0.00	0.000	0.185	0.0906	0.4118	0.0058	4.97E-08
203	0.09	0.000	0.162	0.0875	0.4099	0.0058	4.94E-08
204	0.00	0.000	0.117	0.0828	0.4079	0.0058	4.92E-08
205	0.00	0.000	0.132	0.0772	0.4056	0.0057	4.89E-08
206	0.31	0.000	0.132	0.0847	0.4033	0.0057	4.86E-08
207	0.00	0.000	0.231	0.0751	0.4008	0.0057	4.83E-08
208	0.60	0.000	0.186	0.0925	0.3982	0.0056	4.80E-08
209	0.34	0.000	0.316	0.0935	0.3955	0.0056	4.77E-08
210	0.00	0.000	0.310	0.0806	0.3927	0.0056	4.73E-08
211	0.00	0.000	0.186	0.0722	0.3882	0.0055	4.68E-08
212	0.05	0.000	0.094	0.0702	0.3852	0.0055	4.64E-08
213	0.00	0.000	0.175	0.0629	0.3828	0.0054	4.61E-08
214	0.00	0.000	0.103	0.0586	0.3794	0.0054	4.57E-08
215	0.00	0.000	0.046	0.0566	0.3761	0.0053	4.53E-08
216	0.00	0.000	0.092	0.0528	0.3734	0.0053	4.50E-08

217	0.01	0.000	0.086	0.0491	0.3674	0.0052	4.43E-08
218	0.00	0.000	0.042	0.0470	0.3603	0.0051	4.34E-08
219	0.68	0.000	0.106	0.0710	0.3537	0.0050	4.26E-08
220	0.00	0.000	0.073	0.0680	0.3526	0.0050	4.25E-08
221	0.00	0.000	0.083	0.0645	0.3513	0.0050	4.23E-08
222	0.09	0.000	0.152	0.0621	0.3499	0.0050	4.21E-08
223	0.33	0.000	0.160	0.0693	0.3484	0.0049	4.20E-08
224	0.00	0.000	0.103	0.0647	0.3462	0.0049	4.17E-08
225	0.00	0.000	0.074	0.0617	0.3430	0.0049	4.13E-08
226	0.00	0.000	0.115	0.0569	0.3415	0.0048	4.11E-08
227	0.00	0.000	0.064	0.0543	0.3400	0.0048	4.09E-08
228	0.14	0.000	0.177	0.0528	0.3377	0.0048	4.07E-08
229	0.12	0.000	0.047	0.0553	0.3328	0.0047	4.01E-08
230	0.00	0.000	0.055	0.0530	0.3299	0.0047	3.97E-08
231	0.00	0.000	0.052	0.0509	0.3287	0.0047	3.96E-08
232	0.00	0.000	0.028	0.0497	0.3269	0.0046	3.94E-08
233	0.00	0.000	0.028	0.0485	0.3235	0.0046	3.89E-08
234	0.00	0.000	0.021	0.0476	0.3207	0.0045	3.86E-08
235	0.00	0.000	0.011	0.0471	0.3191	0.0045	3.84E-08
236	0.00	0.000	0.003	0.0470	0.3177	0.0045	3.82E-08
237	0.00	0.000	0.000	0.0470	0.3157	0.0045	3.80E-08
238	0.00	0.000	0.000	0.0470	0.3140	0.0044	3.78E-08
239	0.00	0.000	0.000	0.0470	0.3126	0.0044	3.76E-08
240	1.16	0.000	0.050	0.0933	0.3112	0.0044	3.74E-08
241	0.04	0.000	0.066	0.0922	0.3097	0.0044	3.73E-08
242	0.00	0.000	0.119	0.0872	0.3082	0.0044	3.71E-08
243	0.43	0.000	0.083	0.1018	0.3066	0.0043	3.69E-08
244	0.00	0.000	0.116	0.0968	0.3045	0.0043	3.66E-08
245	0.40	0.000	0.111	0.1090	0.3015	0.0043	3.63E-08
246	0.01	0.000	0.190	0.1012	0.2996	0.0042	3.60E-08
247	0.10	0.000	0.214	0.0965	0.2968	0.0042	3.57E-08
248	0.00	0.000	0.130	0.0911	0.2956	0.0042	3.56E-08

249		0.00	0.000	0.119	0.0859	0.2919	0.0041	3.51E-08
250		0.00	0.000	0.113	0.0812	0.2896	0.0041	3.48E-08
251		0.00	0.000	0.087	0.0776	0.2887	0.0041	3.47E-08
252		0.00	0.000	0.107	0.0731	0.2878	0.0041	3.46E-08
253		0.03	0.000	0.132	0.0678	0.2863	0.0041	3.44E-08
254		0.00	0.000	0.094	0.0638	0.2812	0.0040	3.38E-08
255		0.00	0.000	0.057	0.0614	0.2801	0.0040	3.37E-08
256		0.04	0.000	0.056	0.0607	0.2800	0.0040	3.37E-08
257		0.08	0.000	0.070	0.0610	0.2798	0.0040	3.36E-08
258		0.00	0.000	0.036	0.0595	0.2795	0.0040	3.36E-08
259		0.00	0.000	0.033	0.0582	0.2790	0.0040	3.36E-08
260		0.00	0.000	0.030	0.0569	0.2786	0.0039	3.35E-08
261		0.00	0.000	0.028	0.0558	0.2780	0.0039	3.34E-08
262		0.00	0.000	0.026	0.0547	0.2774	0.0039	3.33E-08
263		0.00	0.000	0.025	0.0535	0.2738	0.0039	3.29E-08
264		0.00	0.000	0.024	0.0525	0.2687	0.0038	3.23E-08
265	*	0.15	0.000	0.065	0.0533	0.2686	0.0038	3.23E-08
266	*	0.00	0.000	0.036	0.0541	0.2685	0.0038	3.23E-08
267		0.00	0.000	0.035	0.0530	0.2659	0.0038	3.20E-08
268		0.00	0.000	0.015	0.0523	0.2622	0.0037	3.15E-08
269		0.03	0.000	0.038	0.0514	0.2583	0.0037	3.10E-08
270	*	0.00	0.000	0.001	0.0514	0.2544	0.0036	3.06E-08
271	*	0.28	0.000	0.011	0.0522	0.2556	0.0036	3.07E-08
272	*	0.10	0.000	0.014	0.0530	0.2566	0.0036	3.08E-08
273	*	0.00	0.000	0.016	0.0538	0.2575	0.0036	3.09E-08
274	*	0.00	0.000	0.020	0.0547	0.2583	0.0037	3.10E-08
275		0.00	0.000	0.024	0.0625	0.2589	0.0037	3.11E-08
276		0.00	0.000	0.053	0.0614	0.2566	0.0036	3.08E-08
277		0.00	0.000	0.021	0.0601	0.2518	0.0036	3.03E-08
278		0.00	0.000	0.010	0.0597	0.2475	0.0035	2.97E-08
279		0.00	0.000	0.010	0.0592	0.2487	0.0035	2.99E-08
280		0.00	0.000	0.011	0.0588	0.2504	0.0035	3.01E-08

281		0.09	0.000	0.035	0.0612	0.2519	0.0036	3.03E-08
282		0.51	0.000	0.037	0.0808	0.2532	0.0036	3.04E-08
283		0.28	0.000	0.065	0.0898	0.2523	0.0036	3.03E-08
284		0.01	0.000	0.019	0.0896	0.2523	0.0036	3.03E-08
285	*	0.06	0.000	0.033	0.0904	0.2536	0.0036	3.05E-08
286	*	0.15	0.000	0.021	0.0912	0.2546	0.0036	3.06E-08
287	*	0.27	0.000	0.000	0.0920	0.2556	0.0036	3.07E-08
288		0.50	0.000	0.000	0.1277	0.2564	0.0036	3.08E-08
289		0.16	0.000	0.053	0.1322	0.2571	0.0036	3.09E-08
290		0.00	0.000	0.013	0.1317	0.2576	0.0037	3.10E-08
291		0.00	0.000	0.032	0.1304	0.2581	0.0037	3.10E-08
292		0.00	0.000	0.069	0.1275	0.2585	0.0037	3.11E-08
293		0.00	0.000	0.120	0.1225	0.2589	0.0037	3.11E-08
294		0.00	0.000	0.098	0.1184	0.2591	0.0037	3.11E-08
295		0.05	0.000	0.055	0.1183	0.2593	0.0037	3.12E-08
296	*	0.02	0.000	0.032	0.1178	0.2594	0.0037	3.12E-08
297		0.00	0.000	0.028	0.1167	0.2595	0.0037	3.12E-08
298	*	0.00	0.000	0.000	0.1167	0.2594	0.0037	3.12E-08
299	*	0.00	0.000	0.018	0.1159	0.2594	0.0037	3.12E-08
300		0.00	0.000	0.050	0.1138	0.2593	0.0037	3.12E-08
301	*	0.00	0.000	0.015	0.1132	0.2592	0.0037	3.11E-08
302		0.00	0.000	0.030	0.1119	0.2590	0.0037	3.11E-08
303		0.00	0.000	0.034	0.1105	0.2588	0.0037	3.11E-08
304		0.00	0.000	0.045	0.1086	0.2586	0.0037	3.11E-08
305		0.00	0.000	0.027	0.1075	0.2583	0.0037	3.10E-08
306	*	0.00	0.000	0.000	0.1074	0.2557	0.0036	3.07E-08
307	*	0.00	0.000	0.016	0.1065	0.2509	0.0036	3.01E-08
308	*	0.00	0.000	0.000	0.1064	0.2462	0.0035	2.96E-08
309		0.00	0.000	0.021	0.1054	0.2421	0.0034	2.91E-08
310		0.00	0.000	0.017	0.1046	0.2410	0.0034	2.89E-08
311	*	0.24	0.000	0.020	0.1053	0.2389	0.0034	2.87E-08
312	*	0.10	0.000	0.017	0.1061	0.2369	0.0034	2.85E-08

313			0.00	0.000	0.024	0.1163	0.2349	0.0033	2.82E-08
314	*		0.00	0.000	0.000	0.1162	0.2338	0.0033	2.81E-08
315	*		0.00	0.000	0.010	0.1157	0.2325	0.0033	2.79E-08
316	*		0.22	0.000	0.019	0.1164	0.2302	0.0033	2.76E-08
317	*		0.00	0.000	0.008	0.1172	0.2299	0.0033	2.76E-08
318	*		0.00	0.000	0.002	0.1180	0.2325	0.0033	2.79E-08
319	*		0.00	0.000	0.004	0.1188	0.2354	0.0033	2.83E-08
320	*		0.01	0.000	0.001	0.1196	0.2365	0.0034	2.84E-08
321	*	*	0.00	0.000	0.001	0.1196	0.2374	0.0034	2.85E-08
322	*	*	0.00	0.000	0.000	0.1196	0.2400	0.0034	2.88E-08
323	*	*	0.00	0.000	0.003	0.1196	0.2424	0.0034	2.91E-08
324	*	*	0.00	0.000	0.023	0.1196	0.2447	0.0035	2.94E-08
325		*	0.00	0.000	0.052	0.1203	0.2468	0.0035	2.97E-08
326		*	0.04	0.000	0.019	0.1211	0.2488	0.0035	2.99E-08
327	*	*	0.00	0.000	0.000	0.1211	0.2506	0.0036	3.01E-08
328	*	*	0.05	0.000	0.019	0.1211	0.2523	0.0036	3.03E-08
329	*	*	0.06	0.000	0.013	0.1211	0.2539	0.0036	3.05E-08
330	*	*	0.12	0.000	0.010	0.1211	0.2553	0.0036	3.07E-08
331	*	*	0.00	0.000	0.003	0.1211	0.2566	0.0036	3.08E-08
332	*	*	0.00	0.000	0.008	0.1211	0.2579	0.0037	3.10E-08
333	*	*	0.00	0.000	0.003	0.1211	0.2590	0.0037	3.11E-08
334	*	*	0.00	0.000	0.002	0.1211	0.2601	0.0037	3.13E-08
335	*	*	0.00	0.000	0.013	0.1211	0.2610	0.0037	3.14E-08
336	*	*	0.00	0.000	0.005	0.1211	0.2619	0.0037	3.15E-08
337	*	*	0.00	0.000	0.010	0.1211	0.2627	0.0037	3.16E-08
338	*	*	0.02	0.000	0.000	0.1211	0.2634	0.0037	3.17E-08
339		*	0.13	0.000	0.007	0.1330	0.2641	0.0037	3.17E-08
340		*	0.02	0.000	0.014	0.1333	0.2647	0.0038	3.18E-08
341		*	0.00	0.000	0.002	0.1333	0.2653	0.0038	3.19E-08
342		*	0.01	0.000	0.009	0.1334	0.2658	0.0038	3.19E-08
343	*	*	0.06	0.000	0.009	0.1334	0.2663	0.0038	3.20E-08
344	*	*	0.00	0.000	0.014	0.1334	0.2667	0.0038	3.21E-08

345	*	*	0.00	0.000	0.013	0.1334	0.2671	0.0038	3.21E-08
346	*	*	0.09	0.000	0.010	0.1334	0.2674	0.0038	3.21E-08
347	*	*	0.02	0.000	0.000	0.1334	0.2677	0.0038	3.22E-08
348	*	*	0.00	0.000	0.006	0.1334	0.2680	0.0038	3.22E-08
349		*	0.00	0.000	0.015	0.1377	0.2682	0.0038	3.22E-08
350		*	0.30	0.000	0.024	0.1491	0.2684	0.0038	3.23E-08
351	*	*	0.01	0.000	0.011	0.1491	0.2686	0.0038	3.23E-08
352	*	*	0.04	0.000	0.020	0.1491	0.2688	0.0038	3.23E-08
353	*	*	0.18	0.000	0.008	0.1491	0.2690	0.0038	3.23E-08
354		*	0.03	0.000	0.000	0.1544	0.2691	0.0038	3.24E-08
355		*	0.04	0.000	0.036	0.1579	0.2692	0.0038	3.24E-08
356	*	*	0.03	0.000	0.020	0.1579	0.2694	0.0038	3.24E-08
357		*	0.05	0.000	0.033	0.1590	0.2695	0.0038	3.24E-08
358		*	0.00	0.000	0.003	0.1590	0.2696	0.0038	3.24E-08
359		*	0.00	0.000	0.000	0.1590	0.2696	0.0038	3.24E-08
360	*	*	0.01	0.000	0.005	0.1590	0.2697	0.0038	3.24E-08
361	*	*	0.00	0.000	0.000	0.1590	0.2698	0.0038	3.24E-08
362	*	*	0.00	0.000	0.000	0.1590	0.2699	0.0038	3.24E-08
363	*	*	0.00	0.000	0.000	0.1590	0.2699	0.0038	3.24E-08
364	*	*	0.00	0.000	0.000	0.1590	0.2700	0.0038	3.25E-08
365	*	*	0.16	0.000	0.015	0.1590	0.2701	0.0038	3.25E-08

* = Frozen (air or soil)

Annual Totals for Year 6			
	inches	cubic feet	percent
Precipitation	23.87	728,590.5	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	22.776	695,323.3	95.43
Drainage Collected from Layer 2	1.5962	48,729.9	6.69
Percolation/Leakage through Layer 4	0.000014	0.4139	0.00

Average Head on Top of Layer 3	0.3087	---	---
Change in Water Storage	-0.5065	-15,463.1	-2.12
Soil Water at Start of Year	54.1768	1,653,925.1	227.00
Soil Water at End of Year	53.5278	1,634,113.3	224.28
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.1424	4,348.6	0.60
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 7

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.023	0.1590	0.2701	0.0038	3.25E-08
2		*	0.20	0.000	0.000	0.1722	0.2702	0.0038	3.25E-08
3		*	0.08	0.000	0.023	0.1747	0.2702	0.0038	3.25E-08
4		*	0.10	0.000	0.023	0.1778	0.2703	0.0038	3.25E-08
5		*	0.02	0.000	0.015	0.1782	0.2704	0.0038	3.25E-08
6		*	0.00	0.000	0.000	0.1782	0.2705	0.0038	3.25E-08
7		*	0.00	0.000	0.000	0.1782	0.2705	0.0038	3.25E-08
8		*	0.05	0.000	0.020	0.1792	0.2706	0.0038	3.25E-08
9		*	0.00	0.000	0.000	0.1792	0.2707	0.0038	3.25E-08
10		*	0.00	0.000	0.000	0.1792	0.2708	0.0038	3.26E-08
11		*	0.00	0.000	0.000	0.1792	0.2709	0.0038	3.26E-08
12	*	*	0.00	0.000	0.000	0.1792	0.2710	0.0038	3.26E-08
13		*	0.09	0.000	0.023	0.1820	0.2711	0.0038	3.26E-08
14	*	*	0.00	0.000	0.000	0.1820	0.2712	0.0038	3.26E-08
15	*	*	0.00	0.000	0.000	0.1820	0.2713	0.0038	3.26E-08
16		*	0.00	0.000	0.000	0.1820	0.2715	0.0038	3.26E-08
17		*	0.00	0.000	0.000	0.1820	0.2716	0.0038	3.27E-08
18		*	0.00	0.000	0.000	0.1820	0.2718	0.0039	3.27E-08
19		*	0.00	0.000	0.000	0.1820	0.2719	0.0039	3.27E-08
20		*	0.00	0.000	0.000	0.1820	0.2721	0.0039	3.27E-08
21		*	0.00	0.000	0.000	0.1820	0.2723	0.0039	3.27E-08
22	*	*	0.04	0.000	0.026	0.1820	0.2724	0.0039	3.28E-08
23	*	*	0.01	0.000	0.017	0.1820	0.2726	0.0039	3.28E-08
24	*	*	0.01	0.000	0.007	0.1820	0.2728	0.0039	3.28E-08

25	*	*	0.00	0.000	0.006	0.1820	0.2730	0.0039	3.28E-08
26	*	*	0.00	0.000	0.000	0.1820	0.2732	0.0039	3.28E-08
27		*	0.18	0.000	0.024	0.1886	0.2734	0.0039	3.29E-08
28		*	0.00	0.000	0.000	0.1886	0.2737	0.0039	3.29E-08
29	*	*	0.02	0.000	0.017	0.1886	0.2739	0.0039	3.29E-08
30	*	*	0.00	0.000	0.000	0.1886	0.2741	0.0039	3.30E-08
31		*	0.00	0.000	0.000	0.1886	0.2744	0.0039	3.30E-08
32		*	0.00	0.000	0.000	0.1886	0.2746	0.0039	3.30E-08
33		*	0.02	0.000	0.013	0.1889	0.2749	0.0039	3.31E-08
34		*	0.00	0.000	0.000	0.1889	0.2752	0.0039	3.31E-08
35	*	*	0.37	0.000	0.021	0.1889	0.2755	0.0039	3.31E-08
36		*	0.03	0.000	0.000	0.2043	0.2757	0.0039	3.32E-08
37		*	0.01	0.000	0.007	0.2043	0.2760	0.0039	3.32E-08
38			0.00	0.000	0.027	0.2032	0.2763	0.0039	3.32E-08
39			0.00	0.000	0.030	0.2020	0.2766	0.0039	3.33E-08
40	*		0.00	0.000	0.000	0.2020	0.2770	0.0039	3.33E-08
41			0.00	0.000	0.031	0.2007	0.2773	0.0039	3.33E-08
42	*		0.00	0.000	0.000	0.2007	0.2776	0.0039	3.34E-08
43	*		0.06	0.000	0.027	0.2010	0.2772	0.0039	3.33E-08
44			0.03	0.000	0.052	0.2003	0.2749	0.0039	3.30E-08
45			0.33	0.000	0.063	0.2113	0.2756	0.0039	3.31E-08
46			0.00	0.000	0.057	0.2090	0.2765	0.0039	3.32E-08
47			0.18	0.000	0.066	0.2135	0.2773	0.0039	3.33E-08
48	*		0.25	0.000	0.020	0.2143	0.2782	0.0039	3.34E-08
49			0.00	0.000	0.052	0.2208	0.2790	0.0040	3.35E-08
50			0.00	0.000	0.034	0.2194	0.2798	0.0040	3.36E-08
51	*		0.00	0.000	0.000	0.2194	0.2805	0.0040	3.37E-08
52	*		0.00	0.000	0.000	0.2194	0.2812	0.0040	3.38E-08
53	*		0.00	0.000	0.000	0.2194	0.2819	0.0040	3.39E-08
54			0.00	0.000	0.035	0.2179	0.2814	0.0040	3.38E-08
55			0.00	0.000	0.050	0.2158	0.2819	0.0040	3.39E-08
56			0.00	0.000	0.066	0.2131	0.2827	0.0040	3.40E-08

57		0.00	0.000	0.149	0.2068	0.2834	0.0040	3.41E-08
58		0.00	0.000	0.074	0.2037	0.2841	0.0040	3.42E-08
59		0.02	0.000	0.064	0.2020	0.2848	0.0040	3.42E-08
60		0.05	0.000	0.063	0.2016	0.2855	0.0040	3.43E-08
61	*	0.05	0.000	0.012	0.2024	0.2861	0.0041	3.44E-08
62		0.00	0.000	0.059	0.2005	0.2867	0.0041	3.45E-08
63	*	0.07	0.000	0.050	0.2014	0.2873	0.0041	3.46E-08
64	*	0.01	0.000	0.015	0.2014	0.2879	0.0041	3.46E-08
65	*	0.00	0.000	0.000	0.2014	0.2884	0.0041	3.47E-08
66	*	0.00	0.000	0.000	0.2014	0.2890	0.0041	3.48E-08
67		0.00	0.000	0.027	0.2002	0.2895	0.0041	3.48E-08
68		0.04	0.000	0.108	0.1970	0.2893	0.0041	3.48E-08
69	*	0.00	0.000	0.038	0.1953	0.2872	0.0041	3.45E-08
70	*	0.00	0.000	0.000	0.1948	0.2847	0.0040	3.42E-08
71		0.01	0.000	0.059	0.1927	0.2830	0.0040	3.40E-08
72		0.00	0.000	0.059	0.1903	0.2844	0.0040	3.42E-08
73		0.00	0.000	0.053	0.1881	0.2860	0.0041	3.44E-08
74		0.00	0.000	0.059	0.1856	0.2876	0.0041	3.46E-08
75		0.00	0.000	0.113	0.1809	0.2890	0.0041	3.48E-08
76		0.74	0.000	0.152	0.2053	0.2904	0.0041	3.49E-08
77		0.01	0.000	0.206	0.1970	0.2916	0.0041	3.51E-08
78		0.19	0.000	0.285	0.1930	0.2928	0.0041	3.52E-08
79		0.17	0.000	0.356	0.1854	0.2940	0.0042	3.54E-08
80		0.34	0.000	0.248	0.1894	0.2950	0.0042	3.55E-08
81		0.59	0.000	0.169	0.2070	0.2960	0.0042	3.56E-08
82		0.00	0.000	0.107	0.2026	0.2970	0.0042	3.57E-08
83	*	0.00	0.000	0.000	0.2026	0.2979	0.0042	3.58E-08
84	*	0.01	0.000	0.009	0.2026	0.2987	0.0042	3.59E-08
85		0.08	0.000	0.135	0.2001	0.2995	0.0042	3.60E-08
86		0.00	0.000	0.041	0.1984	0.3002	0.0043	3.61E-08
87	*	0.00	0.000	0.000	0.1984	0.3009	0.0043	3.62E-08
88	*	0.00	0.000	0.043	0.1966	0.3016	0.0043	3.63E-08

89	*	0.00	0.000	0.026	0.1955	0.3022	0.0043	3.64E-08
90	*	0.00	0.000	0.023	0.1945	0.3028	0.0043	3.64E-08
91	*	0.01	0.000	0.007	0.1945	0.3033	0.0043	3.65E-08
92		0.00	0.000	0.056	0.1922	0.3038	0.0043	3.65E-08
93		0.13	0.000	0.109	0.1931	0.3043	0.0043	3.66E-08
94		0.02	0.000	0.086	0.1901	0.3047	0.0043	3.67E-08
95		0.62	0.000	0.286	0.2042	0.3051	0.0043	3.67E-08
96		0.29	0.000	0.170	0.2092	0.3055	0.0043	3.68E-08
97		0.00	0.000	0.068	0.2063	0.3059	0.0043	3.68E-08
98		0.00	0.000	0.103	0.2020	0.3062	0.0043	3.68E-08
99		0.00	0.000	0.056	0.1997	0.3064	0.0043	3.69E-08
100	*	0.00	0.000	0.000	0.1997	0.3042	0.0043	3.66E-08
101		0.02	0.000	0.155	0.1941	0.3013	0.0043	3.62E-08
102		0.00	0.000	0.140	0.1882	0.2986	0.0042	3.59E-08
103		0.00	0.000	0.157	0.1817	0.2963	0.0042	3.56E-08
104		0.05	0.000	0.108	0.1791	0.2941	0.0042	3.54E-08
105		0.03	0.000	0.090	0.1766	0.2923	0.0041	3.52E-08
106	*	0.00	0.000	0.038	0.1750	0.2906	0.0041	3.50E-08
107	*	0.00	0.000	0.037	0.1735	0.2892	0.0041	3.48E-08
108	*	0.00	0.000	0.075	0.1704	0.2880	0.0041	3.46E-08
109		0.00	0.000	0.076	0.1672	0.2870	0.0041	3.45E-08
110		0.00	0.000	0.058	0.1648	0.2862	0.0041	3.44E-08
111		0.19	0.000	0.069	0.1697	0.2855	0.0040	3.43E-08
112		0.26	0.000	0.063	0.1778	0.2850	0.0040	3.43E-08
113		0.26	0.000	0.251	0.1781	0.2847	0.0040	3.42E-08
114		0.98	0.000	0.065	0.2164	0.2847	0.0040	3.42E-08
115		0.00	0.000	0.080	0.2131	0.2853	0.0040	3.43E-08
116		0.17	0.000	0.124	0.2148	0.2853	0.0040	3.43E-08
117		0.00	0.000	0.272	0.2035	0.2854	0.0040	3.43E-08
118		0.04	0.000	0.279	0.1934	0.2857	0.0040	3.44E-08
119		0.03	0.000	0.098	0.1906	0.2860	0.0041	3.44E-08
120		0.00	0.000	0.142	0.1847	0.2865	0.0041	3.45E-08

121		0.00	0.000	0.376	0.1691	0.2871	0.0041	3.45E-08
122		0.00	0.000	0.184	0.1614	0.2877	0.0041	3.46E-08
123		0.00	0.000	0.076	0.1582	0.2884	0.0041	3.47E-08
124		0.23	0.000	0.076	0.1647	0.2892	0.0041	3.48E-08
125		0.19	0.000	0.067	0.1698	0.2901	0.0041	3.49E-08
126		0.01	0.000	0.051	0.1681	0.2910	0.0041	3.50E-08
127		0.00	0.000	0.039	0.1665	0.2920	0.0041	3.51E-08
128	*	0.18	0.000	0.100	0.1673	0.2931	0.0042	3.53E-08
129	*	0.02	0.000	0.070	0.1677	0.2942	0.0042	3.54E-08
130	*	0.00	0.000	0.000	0.1677	0.2954	0.0042	3.55E-08
131	*	0.02	0.000	0.055	0.1662	0.2965	0.0042	3.57E-08
132		0.02	0.000	0.045	0.1651	0.2978	0.0042	3.58E-08
133		0.14	0.000	0.049	0.1688	0.2990	0.0042	3.60E-08
134		0.00	0.000	0.030	0.1675	0.3003	0.0043	3.61E-08
135		0.06	0.000	0.045	0.1682	0.3017	0.0043	3.63E-08
136	*	0.00	0.000	0.028	0.1671	0.3030	0.0043	3.65E-08
137		0.13	0.000	0.043	0.1706	0.3044	0.0043	3.66E-08
138		0.06	0.000	0.042	0.1715	0.3058	0.0043	3.68E-08
139		0.41	0.000	0.041	0.1868	0.3071	0.0044	3.70E-08
140	*	0.00	0.000	0.112	0.1821	0.3086	0.0044	3.71E-08
141		0.00	0.000	0.157	0.1756	0.3100	0.0044	3.73E-08
142		0.00	0.000	0.100	0.1714	0.3114	0.0044	3.75E-08
143		0.00	0.000	0.073	0.1683	0.3134	0.0044	3.77E-08
144	*	0.00	0.000	0.061	0.1658	0.3157	0.0045	3.80E-08
145		0.00	0.000	0.059	0.1633	0.3170	0.0045	3.81E-08
146		0.00	0.000	0.050	0.1612	0.3183	0.0045	3.83E-08
147		1.02	0.000	0.060	0.2012	0.3196	0.0045	3.85E-08
148		0.06	0.000	0.184	0.1961	0.3209	0.0045	3.86E-08
149		0.06	0.000	0.160	0.1920	0.3222	0.0046	3.88E-08
150	*	0.00	0.000	0.119	0.1871	0.3235	0.0046	3.89E-08
151	*	0.16	0.000	0.112	0.1879	0.3249	0.0046	3.91E-08
152	*	0.00	0.000	0.099	0.1849	0.3262	0.0046	3.93E-08

153	0.00	0.000	0.190	0.1769	0.3277	0.0046	3.94E-08
154	0.00	0.000	0.156	0.1703	0.3318	0.0047	3.99E-08
155	0.00	0.000	0.187	0.1625	0.3357	0.0048	4.04E-08
156	0.20	0.000	0.096	0.1671	0.3368	0.0048	4.06E-08
157	0.52	0.000	0.077	0.1856	0.3375	0.0048	4.06E-08
158	1.68	0.000	0.242	0.2456	0.3383	0.0048	4.07E-08
159	0.07	0.000	0.120	0.2433	0.3390	0.0048	4.08E-08
160	0.00	0.000	0.232	0.2336	0.3398	0.0048	4.09E-08
161	0.22	0.000	0.120	0.2378	0.3405	0.0048	4.10E-08
162	0.12	0.000	0.115	0.2381	0.3413	0.0048	4.11E-08
163	0.00	0.000	0.185	0.2304	0.3421	0.0048	4.12E-08
164	0.05	0.000	0.114	0.2278	0.3429	0.0049	4.13E-08
165	0.00	0.000	0.229	0.2183	0.3437	0.0049	4.14E-08
166	0.00	0.000	0.250	0.2078	0.3445	0.0049	4.15E-08
167	0.84	0.000	0.230	0.2333	0.3453	0.0049	4.16E-08
168	0.00	0.000	0.178	0.2259	0.3461	0.0049	4.17E-08
169	0.00	0.000	0.163	0.2191	0.3482	0.0049	4.19E-08
170	0.14	0.000	0.321	0.2116	0.3501	0.0050	4.22E-08
171	0.01	0.000	0.158	0.2053	0.3507	0.0050	4.22E-08
172	0.06	0.000	0.277	0.1961	0.3513	0.0050	4.23E-08
173	0.22	0.000	0.127	0.1999	0.3519	0.0050	4.24E-08
174	0.62	0.000	0.167	0.2188	0.3524	0.0050	4.24E-08
175	0.01	0.000	0.254	0.2086	0.3537	0.0050	4.26E-08
176	0.02	0.000	0.297	0.1970	0.3574	0.0051	4.30E-08
177	0.00	0.000	0.271	0.1857	0.3585	0.0051	4.32E-08
178	0.00	0.000	0.202	0.1772	0.3587	0.0051	4.32E-08
179	0.00	0.000	0.098	0.1731	0.3589	0.0051	4.32E-08
180	0.00	0.000	0.084	0.1696	0.3591	0.0051	4.33E-08
181	0.00	0.000	0.072	0.1666	0.3594	0.0051	4.33E-08
182	0.00	0.000	0.057	0.1642	0.3597	0.0051	4.33E-08
183	0.00	0.000	0.054	0.1619	0.3611	0.0051	4.35E-08
184	0.00	0.000	0.069	0.1590	0.3630	0.0051	4.37E-08

185	0.00	0.000	0.065	0.1563	0.3647	0.0052	4.39E-08
186	0.02	0.000	0.060	0.1548	0.3672	0.0052	4.42E-08
187	0.00	0.000	0.051	0.1527	0.3673	0.0052	4.42E-08
188	0.01	0.000	0.079	0.1496	0.3675	0.0052	4.43E-08
189	0.02	0.000	0.070	0.1476	0.3685	0.0052	4.44E-08
190	0.00	0.000	0.046	0.1457	0.3682	0.0052	4.44E-08
191	0.00	0.000	0.046	0.1438	0.3679	0.0052	4.43E-08
192	0.00	0.000	0.067	0.1410	0.3676	0.0052	4.43E-08
193	0.00	0.000	0.045	0.1392	0.3673	0.0052	4.43E-08
194	0.00	0.000	0.049	0.1372	0.3671	0.0052	4.42E-08
195	0.00	0.000	0.075	0.1341	0.3669	0.0052	4.42E-08
196	0.00	0.000	0.071	0.1311	0.3667	0.0052	4.42E-08
197	0.09	0.000	0.079	0.1316	0.3666	0.0052	4.42E-08
198	0.16	0.000	0.058	0.1359	0.3665	0.0052	4.42E-08
199	0.00	0.000	0.070	0.1329	0.3664	0.0052	4.41E-08
200	0.25	0.000	0.088	0.1398	0.3664	0.0052	4.41E-08
201	0.01	0.000	0.049	0.1380	0.3664	0.0052	4.41E-08
202	0.00	0.000	0.076	0.1350	0.3666	0.0052	4.42E-08
203	0.14	0.000	0.103	0.1366	0.3673	0.0052	4.43E-08
204	0.00	0.000	0.067	0.1338	0.3673	0.0052	4.42E-08
205	0.00	0.000	0.083	0.1303	0.3672	0.0052	4.42E-08
206	0.00	0.000	0.091	0.1265	0.3672	0.0052	4.42E-08
207	0.04	0.000	0.066	0.1255	0.3672	0.0052	4.42E-08
208	0.25	0.000	0.110	0.1312	0.3672	0.0052	4.42E-08
209	0.22	0.000	0.119	0.1353	0.3672	0.0052	4.42E-08
210	0.02	0.000	0.137	0.1306	0.3673	0.0052	4.42E-08
211	0.01	0.000	0.123	0.1257	0.3673	0.0052	4.43E-08
212	0.33	0.000	0.081	0.1360	0.3674	0.0052	4.43E-08
213	0.91	0.000	0.271	0.1626	0.3674	0.0052	4.43E-08
214	0.00	0.000	0.244	0.1524	0.3675	0.0052	4.43E-08
215	1.44	0.000	0.255	0.2018	0.3676	0.0052	4.43E-08
216	0.63	0.000	0.171	0.2208	0.3677	0.0052	4.43E-08

217	0.00	0.000	0.185	0.2130	0.3678	0.0052	4.43E-08
218	0.01	0.000	0.118	0.2084	0.3679	0.0052	4.43E-08
219	0.21	0.000	0.171	0.2100	0.3691	0.0052	4.45E-08
220	0.00	0.000	0.171	0.2029	0.3699	0.0052	4.46E-08
221	0.34	0.000	0.278	0.2054	0.3700	0.0052	4.46E-08
222	0.00	0.000	0.266	0.1943	0.3707	0.0053	4.47E-08
223	0.00	0.000	0.124	0.1892	0.3705	0.0052	4.46E-08
224	0.00	0.000	0.274	0.1777	0.3704	0.0052	4.46E-08
225	0.00	0.000	0.172	0.1706	0.3703	0.0052	4.46E-08
226	0.01	0.000	0.107	0.1663	0.3703	0.0052	4.46E-08
227	0.56	0.000	0.255	0.1792	0.3702	0.0052	4.46E-08
228	0.55	0.000	0.243	0.1919	0.3701	0.0052	4.46E-08
229	0.00	0.000	0.194	0.1839	0.3701	0.0052	4.46E-08
230	0.00	0.000	0.263	0.1729	0.3700	0.0052	4.46E-08
231	0.01	0.000	0.137	0.1676	0.3700	0.0052	4.46E-08
232	0.01	0.000	0.139	0.1622	0.3701	0.0052	4.46E-08
233	0.23	0.000	0.264	0.1610	0.3712	0.0053	4.47E-08
234	0.00	0.000	0.207	0.1524	0.3715	0.0053	4.48E-08
235	0.00	0.000	0.319	0.1391	0.3713	0.0053	4.47E-08
236	0.00	0.000	0.122	0.1339	0.3711	0.0053	4.47E-08
237	0.00	0.000	0.188	0.1261	0.3728	0.0053	4.49E-08
238	0.00	0.000	0.308	0.1133	0.3730	0.0053	4.50E-08
239	0.00	0.000	0.220	0.1041	0.3727	0.0053	4.49E-08
240	0.00	0.000	0.149	0.0979	0.3724	0.0053	4.49E-08
241	0.02	0.000	0.157	0.0924	0.3721	0.0053	4.48E-08
242	0.24	0.000	0.199	0.0940	0.3719	0.0053	4.48E-08
243	0.00	0.000	0.157	0.0874	0.3716	0.0053	4.48E-08
244	0.04	0.000	0.151	0.0830	0.3714	0.0053	4.47E-08
245	0.00	0.000	0.120	0.0781	0.3711	0.0053	4.47E-08
246	0.00	0.000	0.079	0.0748	0.3709	0.0053	4.47E-08
247	0.00	0.000	0.085	0.0713	0.3707	0.0053	4.47E-08
248	0.00	0.000	0.076	0.0682	0.3705	0.0052	4.46E-08

249		0.00	0.000	0.061	0.0656	0.3704	0.0052	4.46E-08
250		0.00	0.000	0.076	0.0625	0.3702	0.0052	4.46E-08
251		0.78	0.000	0.069	0.0919	0.3700	0.0052	4.46E-08
252		1.45	0.000	0.190	0.1442	0.3705	0.0052	4.46E-08
253		0.00	0.000	0.248	0.1339	0.3736	0.0053	4.50E-08
254		0.00	0.000	0.157	0.1274	0.3766	0.0053	4.54E-08
255		0.00	0.000	0.141	0.1215	0.3793	0.0054	4.57E-08
256		0.00	0.000	0.139	0.1157	0.3797	0.0054	4.58E-08
257		0.13	0.000	0.099	0.1169	0.3786	0.0054	4.56E-08
258		0.01	0.000	0.089	0.1134	0.3775	0.0053	4.55E-08
259		0.00	0.000	0.093	0.1095	0.3764	0.0053	4.54E-08
260		0.48	0.000	0.089	0.1256	0.3755	0.0053	4.52E-08
261		0.00	0.000	0.064	0.1226	0.3745	0.0053	4.51E-08
262		0.11	0.000	0.068	0.1242	0.3748	0.0053	4.52E-08
263		0.03	0.000	0.070	0.1223	0.3761	0.0053	4.53E-08
264	*	0.01	0.000	0.007	0.1223	0.3765	0.0053	4.54E-08
265		0.01	0.000	0.042	0.1209	0.3777	0.0054	4.55E-08
266	*	0.00	0.000	0.000	0.1209	0.3785	0.0054	4.56E-08
267	*	0.00	0.000	0.018	0.1202	0.3807	0.0054	4.59E-08
268		0.09	0.000	0.082	0.1207	0.3826	0.0054	4.61E-08
269	*	0.00	0.000	0.000	0.1207	0.3844	0.0054	4.63E-08
270	*	0.00	0.000	0.000	0.1207	0.3859	0.0055	4.65E-08
271	*	0.00	0.000	0.000	0.1207	0.3871	0.0055	4.67E-08
272	*	0.00	0.000	0.000	0.1207	0.3882	0.0055	4.68E-08
273	*	0.00	0.000	0.000	0.1207	0.3890	0.0055	4.69E-08
274	*	0.00	0.000	0.000	0.1207	0.3897	0.0055	4.70E-08
275	*	0.00	0.000	0.026	0.1195	0.3902	0.0055	4.70E-08
276		0.00	0.000	0.042	0.1178	0.3905	0.0055	4.71E-08
277		0.00	0.000	0.047	0.1158	0.3907	0.0055	4.71E-08
278		0.00	0.000	0.038	0.1142	0.3907	0.0055	4.71E-08
279		0.00	0.000	0.031	0.1130	0.3906	0.0055	4.71E-08
280		0.00	0.000	0.039	0.1114	0.3904	0.0055	4.71E-08

281	0.02	0.000	0.083	0.1080	0.3889	0.0055	4.69E-08
282	0.00	0.000	0.036	0.1065	0.3871	0.0055	4.67E-08
283	0.00	0.000	0.055	0.1042	0.3869	0.0055	4.66E-08
284	0.00	0.000	0.061	0.1017	0.3866	0.0055	4.66E-08
285	0.00	0.000	0.035	0.1002	0.3862	0.0055	4.66E-08
286	0.00	0.000	0.047	0.0980	0.3850	0.0055	4.64E-08
287	0.17	0.000	0.065	0.1020	0.3811	0.0054	4.59E-08
288	0.03	0.000	0.049	0.1007	0.3772	0.0053	4.55E-08
289	0.06	0.000	0.125	0.0972	0.3741	0.0053	4.51E-08
290	0.02	0.000	0.044	0.0960	0.3725	0.0053	4.49E-08
291	0.04	0.000	0.050	0.0954	0.3705	0.0052	4.46E-08
292	0.02	0.000	0.042	0.0943	0.3684	0.0052	4.44E-08
293	0.01	0.000	0.045	0.0929	0.3676	0.0052	4.43E-08
294	0.30	0.000	0.051	0.1031	0.3666	0.0052	4.42E-08
295	0.20	0.000	0.064	0.1084	0.3632	0.0051	4.38E-08
296	0.00	0.000	0.045	0.1062	0.3601	0.0051	4.34E-08
297	0.00	0.000	0.055	0.1038	0.3580	0.0051	4.31E-08
298	0.04	0.000	0.044	0.1031	0.3576	0.0051	4.31E-08
299	0.00	0.000	0.024	0.1020	0.3556	0.0050	4.28E-08
300	0.02	0.000	0.038	0.1009	0.3530	0.0050	4.25E-08
301	0.02	0.000	0.100	0.0969	0.3510	0.0050	4.23E-08
302	0.01	0.000	0.047	0.0952	0.3512	0.0050	4.23E-08
303	0.00	0.000	0.099	0.0903	0.3501	0.0050	4.22E-08
304	0.00	0.000	0.062	0.0873	0.3476	0.0049	4.19E-08
305	0.10	0.000	0.075	0.0883	0.3472	0.0049	4.18E-08
306	0.00	0.000	0.039	0.0867	0.3502	0.0050	4.22E-08
307	0.00	0.000	0.048	0.0846	0.3524	0.0050	4.24E-08
308	0.00	0.000	0.042	0.0827	0.3517	0.0050	4.24E-08
309	0.00	0.000	0.037	0.0810	0.3501	0.0050	4.22E-08
310	0.00	0.000	0.032	0.0794	0.3482	0.0049	4.19E-08
311	0.00	0.000	0.030	0.0780	0.3474	0.0049	4.18E-08
312	0.00	0.000	0.028	0.0767	0.3467	0.0049	4.17E-08

313			0.00	0.000	0.018	0.0758	0.3449	0.0049	4.15E-08
314	*		0.00	0.000	0.000	0.0758	0.3451	0.0049	4.16E-08
315	*		0.00	0.000	0.000	0.0758	0.3480	0.0049	4.19E-08
316	*		0.01	0.000	0.012	0.0758	0.3505	0.0050	4.22E-08
317	*		0.00	0.000	0.000	0.0758	0.3527	0.0050	4.25E-08
318	*		0.00	0.000	0.000	0.0758	0.3547	0.0050	4.27E-08
319	*		0.20	0.000	0.002	0.0766	0.3563	0.0050	4.29E-08
320	*		0.00	0.000	0.009	0.0774	0.3577	0.0051	4.31E-08
321			0.00	0.000	0.025	0.0825	0.3588	0.0051	4.32E-08
322			0.00	0.000	0.016	0.0818	0.3597	0.0051	4.33E-08
323	*		0.12	0.000	0.009	0.0826	0.3603	0.0051	4.34E-08
324	*		0.26	0.000	0.009	0.0834	0.3608	0.0051	4.35E-08
325			0.08	0.000	0.000	0.1003	0.3610	0.0051	4.35E-08
326	*		0.03	0.000	0.030	0.1003	0.3611	0.0051	4.35E-08
327	*		0.00	0.000	0.000	0.1003	0.3609	0.0051	4.35E-08
328	*		0.53	0.000	0.009	0.1011	0.3607	0.0051	4.34E-08
329	*		0.00	0.000	0.013	0.1019	0.3603	0.0051	4.34E-08
330	*		0.03	0.000	0.005	0.1028	0.3597	0.0051	4.33E-08
331			0.00	0.000	0.000	0.1036	0.3591	0.0051	4.33E-08
332	*		0.23	0.000	0.007	0.1044	0.3583	0.0051	4.32E-08
333	*		0.02	0.000	0.008	0.1052	0.3574	0.0051	4.31E-08
334	*		0.27	0.000	0.007	0.1060	0.3564	0.0050	4.29E-08
335	*		0.02	0.000	0.000	0.1069	0.3554	0.0050	4.28E-08
336	*	*	0.00	0.000	0.007	0.1069	0.3542	0.0050	4.27E-08
337	*	*	0.00	0.000	0.000	0.1069	0.3530	0.0050	4.25E-08
338	*	*	0.12	0.000	0.005	0.1069	0.3517	0.0050	4.24E-08
339	*	*	0.00	0.000	0.011	0.1069	0.3504	0.0050	4.22E-08
340	*	*	0.26	0.000	0.000	0.1069	0.3490	0.0049	4.20E-08
341		*	0.00	0.000	0.024	0.1079	0.3475	0.0049	4.19E-08
342		*	0.00	0.000	0.000	0.1275	0.3460	0.0049	4.17E-08
343	*	*	0.00	0.000	0.011	0.1275	0.3445	0.0049	4.15E-08
344	*	*	0.16	0.000	0.004	0.1275	0.3429	0.0049	4.13E-08

345	*	*	0.44	0.000	0.000	0.1275	0.3413	0.0048	4.11E-08
346		*	0.02	0.000	0.000	0.1682	0.3397	0.0048	4.09E-08
347		*	0.00	0.000	0.000	0.1826	0.3380	0.0048	4.07E-08
348	*	*	0.00	0.000	0.000	0.1826	0.3363	0.0048	4.05E-08
349	*	*	0.00	0.000	0.000	0.1826	0.3346	0.0047	4.03E-08
350	*	*	0.00	0.000	0.000	0.1826	0.3329	0.0047	4.01E-08
351	*	*	0.00	0.000	0.000	0.1826	0.3311	0.0047	3.99E-08
352	*	*	0.01	0.000	0.005	0.1826	0.3294	0.0047	3.96E-08
353	*	*	0.00	0.000	0.008	0.1826	0.3276	0.0046	3.94E-08
354		*	0.00	0.000	0.001	0.1826	0.3259	0.0046	3.92E-08
355		*	0.00	0.000	0.000	0.1826	0.3241	0.0046	3.90E-08
356	*	*	0.00	0.000	0.000	0.1826	0.3224	0.0046	3.88E-08
357	*	*	0.00	0.000	0.000	0.1826	0.3206	0.0045	3.86E-08
358	*	*	0.00	0.000	0.000	0.1826	0.3188	0.0045	3.84E-08
359	*	*	0.19	0.000	0.002	0.1826	0.3171	0.0045	3.82E-08
360	*	*	0.00	0.000	0.015	0.1826	0.3154	0.0045	3.80E-08
361	*	*	0.00	0.000	0.019	0.1826	0.3136	0.0044	3.77E-08
362	*	*	0.00	0.000	0.018	0.1826	0.3119	0.0044	3.75E-08
363	*	*	0.00	0.000	0.013	0.1826	0.3102	0.0044	3.73E-08
364	*	*	0.00	0.000	0.017	0.1826	0.3085	0.0044	3.71E-08
365	*	*	0.00	0.000	0.020	0.1826	0.3069	0.0043	3.69E-08

* = Frozen (air or soil)

Annual Totals for Year 7			
	inches	cubic feet	percent
Precipitation	28.97	884,474.8	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	28.192	860,641.5	97.31
Drainage Collected from Layer 2	1.7081	52,146.5	5.90
Percolation/Leakage through Layer 4	0.000015	0.4431	0.00

Average Head on Top of Layer 3	0.3303	---	---
Change in Water Storage	-0.9275	-28,313.6	-3.20
Soil Water at Start of Year	53.5278	1,634,113.3	184.76
Soil Water at End of Year	52.6556	1,607,485.0	181.74
Snow Water at Start of Year	0.1424	4,348.6	0.49
Snow Water at End of Year	0.0872	2,663.3	0.30
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 8

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.023	0.1826	0.3052	0.0043	3.67E-08
2		*	0.00	0.000	0.026	0.1830	0.3036	0.0043	3.65E-08
3	*	*	0.00	0.000	0.011	0.1830	0.3019	0.0043	3.63E-08
4	*	*	0.00	0.000	0.004	0.1830	0.3003	0.0043	3.61E-08
5	*	*	0.06	0.000	0.009	0.1830	0.2987	0.0042	3.59E-08
6	*	*	0.20	0.000	0.000	0.1830	0.2972	0.0042	3.57E-08
7	*	*	0.02	0.000	0.000	0.1830	0.2956	0.0042	3.56E-08
8	*	*	0.00	0.000	0.010	0.1830	0.2941	0.0042	3.54E-08
9	*	*	0.16	0.000	0.010	0.1830	0.2926	0.0041	3.52E-08
10	*	*	0.00	0.000	0.004	0.1830	0.2911	0.0041	3.50E-08
11	*	*	0.00	0.000	0.000	0.1830	0.2897	0.0041	3.48E-08
12		*	0.00	0.000	0.000	0.2003	0.2882	0.0041	3.47E-08
13		*	0.00	0.000	0.000	0.2003	0.2868	0.0041	3.45E-08
14		*	0.00	0.000	0.000	0.2003	0.2854	0.0040	3.43E-08
15		*	0.00	0.000	0.000	0.2003	0.2840	0.0040	3.42E-08
16	*	*	0.00	0.000	0.000	0.2003	0.2827	0.0040	3.40E-08
17	*	*	0.08	0.000	0.020	0.2003	0.2814	0.0040	3.38E-08
18	*	*	0.00	0.000	0.018	0.2003	0.2801	0.0040	3.37E-08
19	*	*	0.00	0.000	0.013	0.2003	0.2788	0.0040	3.35E-08
20	*	*	0.01	0.000	0.017	0.2003	0.2776	0.0039	3.34E-08
21	*	*	0.00	0.000	0.021	0.2003	0.2763	0.0039	3.32E-08
22	*	*	0.00	0.000	0.007	0.2003	0.2751	0.0039	3.31E-08
23		*	0.00	0.000	0.000	0.2003	0.2740	0.0039	3.29E-08
24		*	0.00	0.000	0.000	0.2003	0.2728	0.0039	3.28E-08

25		*	0.00	0.000	0.000	0.2003	0.2717	0.0038	3.27E-08
26		*	0.00	0.000	0.000	0.2003	0.2706	0.0038	3.25E-08
27		*	0.00	0.000	0.000	0.2003	0.2695	0.0038	3.24E-08
28	*	*	0.00	0.000	0.000	0.2003	0.2685	0.0038	3.23E-08
29		*	0.00	0.000	0.000	0.2003	0.2674	0.0038	3.21E-08
30	*	*	0.00	0.000	0.000	0.2003	0.2664	0.0038	3.20E-08
31	*	*	0.00	0.000	0.000	0.2003	0.2654	0.0038	3.19E-08
32	*	*	0.00	0.000	0.000	0.2003	0.2645	0.0037	3.18E-08
33		*	0.00	0.000	0.000	0.2003	0.2635	0.0037	3.17E-08
34	*	*	0.00	0.000	0.000	0.2003	0.2626	0.0037	3.16E-08
35		*	0.00	0.000	0.000	0.2003	0.2617	0.0037	3.15E-08
36	*	*	0.00	0.000	0.000	0.2003	0.2608	0.0037	3.13E-08
37	*	*	0.00	0.000	0.000	0.2003	0.2600	0.0037	3.12E-08
38		*	0.00	0.000	0.000	0.2003	0.2571	0.0036	3.09E-08
39		*	0.01	0.000	0.007	0.2004	0.2530	0.0036	3.04E-08
40	*	*	0.00	0.000	0.000	0.2004	0.2492	0.0035	2.99E-08
41	*	*	0.00	0.000	0.000	0.2004	0.2456	0.0035	2.95E-08
42	*	*	0.06	0.000	0.022	0.2004	0.2424	0.0034	2.91E-08
43	*	*	0.00	0.000	0.006	0.2004	0.2394	0.0034	2.88E-08
44	*	*	0.00	0.000	0.018	0.2004	0.2366	0.0034	2.84E-08
45	*	*	0.00	0.000	0.008	0.2004	0.2341	0.0033	2.81E-08
46	*	*	0.08	0.000	0.017	0.2004	0.2318	0.0033	2.78E-08
47		*	0.34	0.000	0.000	0.2177	0.2297	0.0033	2.76E-08
48		*	0.20	0.000	0.021	0.2252	0.2278	0.0032	2.74E-08
49	*	*	0.10	0.000	0.031	0.2252	0.2261	0.0032	2.72E-08
50		*	0.00	0.000	0.053	0.2259	0.2246	0.0032	2.70E-08
51		*	0.00	0.000	0.000	0.2259	0.2233	0.0032	2.68E-08
52		*	0.11	0.000	0.021	0.2298	0.2221	0.0031	2.67E-08
53		*	0.01	0.000	0.005	0.2298	0.2211	0.0031	2.65E-08
54		*	0.00	0.000	0.003	0.2298	0.2202	0.0031	2.64E-08
55		*	0.05	0.000	0.019	0.2311	0.2195	0.0031	2.64E-08
56		*	0.03	0.000	0.016	0.2317	0.2189	0.0031	2.63E-08

57		*	0.00	0.000	0.004	0.2317	0.2185	0.0031	2.62E-08
58	*	*	0.19	0.000	0.012	0.2317	0.2182	0.0031	2.62E-08
59	*	*	0.00	0.000	0.013	0.2317	0.2179	0.0031	2.62E-08
60	*	*	0.00	0.000	0.035	0.2317	0.2178	0.0031	2.62E-08
61	*	*	0.00	0.000	0.011	0.2317	0.2178	0.0031	2.62E-08
62	*	*	0.00	0.000	0.025	0.2317	0.2179	0.0031	2.62E-08
63		*	0.00	0.000	0.054	0.2333	0.2181	0.0031	2.62E-08
64		*	0.00	0.000	0.000	0.2333	0.2184	0.0031	2.62E-08
65		*	0.00	0.000	0.000	0.2333	0.2187	0.0031	2.63E-08
66		*	0.07	0.000	0.021	0.2356	0.2191	0.0031	2.63E-08
67		*	0.33	0.000	0.021	0.2483	0.2196	0.0031	2.64E-08
68		*	0.00	0.000	0.000	0.2483	0.2202	0.0031	2.64E-08
69		*	0.00	0.000	0.000	0.2483	0.2208	0.0031	2.65E-08
70		*	0.00	0.000	0.000	0.2483	0.2215	0.0031	2.66E-08
71		*	0.00	0.000	0.000	0.2483	0.2222	0.0031	2.67E-08
72	*	*	0.00	0.000	0.000	0.2483	0.2230	0.0032	2.68E-08
73	*	*	0.41	0.000	0.003	0.2483	0.2238	0.0032	2.69E-08
74	*	*	0.75	0.000	0.001	0.2483	0.2247	0.0032	2.70E-08
75	*	*	0.00	0.000	0.003	0.2483	0.2256	0.0032	2.71E-08
76	*	*	0.00	0.000	0.011	0.2483	0.2266	0.0032	2.72E-08
77	*	*	0.00	0.000	0.000	0.2483	0.2275	0.0032	2.73E-08
78		*	0.00	0.000	0.000	0.2956	0.2286	0.0032	2.74E-08
79		*	0.00	0.000	0.000	0.2956	0.2296	0.0033	2.76E-08
80	*	*	0.00	0.000	0.000	0.2956	0.2307	0.0033	2.77E-08
81		*	0.00	0.000	0.000	0.2956	0.2318	0.0033	2.78E-08
82		*	0.00	0.000	0.000	0.2956	0.2329	0.0033	2.80E-08
83		*	0.00	0.000	0.000	0.2956	0.2340	0.0033	2.81E-08
84		*	0.10	0.000	0.021	0.2989	0.2352	0.0033	2.82E-08
85		*	0.07	0.000	0.020	0.3008	0.2363	0.0033	2.84E-08
86		*	0.00	0.000	0.003	0.3008	0.2375	0.0034	2.85E-08
87	*	*	0.00	0.000	0.000	0.3008	0.2387	0.0034	2.87E-08
88	*	*	0.02	0.000	0.018	0.3008	0.2399	0.0034	2.88E-08

89		*	0.00	0.000	0.000	0.3008	0.2411	0.0034	2.90E-08
90		*	0.00	0.000	0.000	0.3008	0.2423	0.0034	2.91E-08
91			0.00	0.000	0.066	0.2981	0.2435	0.0034	2.93E-08
92			0.00	0.000	0.094	0.2941	0.2447	0.0035	2.94E-08
93	*		0.09	0.000	0.085	0.2944	0.2459	0.0035	2.95E-08
94			0.00	0.000	0.083	0.2909	0.2471	0.0035	2.97E-08
95			0.00	0.000	0.039	0.2893	0.2483	0.0035	2.98E-08
96			0.00	0.000	0.111	0.2847	0.2495	0.0035	3.00E-08
97	*		0.00	0.000	0.000	0.2847	0.2507	0.0036	3.01E-08
98			0.00	0.000	0.127	0.2794	0.2519	0.0036	3.03E-08
99	*		0.00	0.000	0.000	0.2783	0.2531	0.0036	3.04E-08
100	*		0.00	0.000	0.000	0.2759	0.2543	0.0036	3.06E-08
101	*		0.00	0.000	0.000	0.2733	0.2555	0.0036	3.07E-08
102	*		0.00	0.000	0.000	0.2706	0.2567	0.0036	3.08E-08
103			0.00	0.000	0.068	0.2651	0.2579	0.0037	3.10E-08
104	*		0.00	0.000	0.073	0.2595	0.2590	0.0037	3.11E-08
105			0.00	0.000	0.160	0.2503	0.2602	0.0037	3.13E-08
106			0.19	0.000	0.075	0.2521	0.2613	0.0037	3.14E-08
107			0.04	0.000	0.101	0.2470	0.2624	0.0037	3.15E-08
108			0.00	0.000	0.044	0.2434	0.2635	0.0037	3.17E-08
109			0.08	0.000	0.140	0.2394	0.2646	0.0037	3.18E-08
110			0.00	0.000	0.140	0.2320	0.2657	0.0038	3.19E-08
111			0.00	0.000	0.144	0.2246	0.2668	0.0038	3.21E-08
112			0.00	0.000	0.147	0.2170	0.2679	0.0038	3.22E-08
113			0.00	0.000	0.077	0.2122	0.2689	0.0038	3.23E-08
114			0.03	0.000	0.073	0.2087	0.2699	0.0038	3.24E-08
115			0.03	0.000	0.065	0.2062	0.2710	0.0038	3.26E-08
116			0.02	0.000	0.055	0.2037	0.2720	0.0039	3.27E-08
117			0.54	0.000	0.058	0.2230	0.2730	0.0039	3.28E-08
118			0.06	0.000	0.089	0.2208	0.2739	0.0039	3.29E-08
119			0.00	0.000	0.099	0.2158	0.2750	0.0039	3.31E-08
120			0.00	0.000	0.184	0.2070	0.2809	0.0040	3.38E-08

121	0.06	0.000	0.094	0.2046	0.2821	0.0040	3.39E-08
122	0.00	0.000	0.058	0.2014	0.2829	0.0040	3.40E-08
123	0.00	0.000	0.049	0.1986	0.2901	0.0041	3.49E-08
124	0.00	0.000	0.043	0.1960	0.3002	0.0043	3.61E-08
125	0.00	0.000	0.039	0.1935	0.3085	0.0044	3.71E-08
126	0.00	0.000	0.036	0.1911	0.3164	0.0045	3.81E-08
127	0.00	0.000	0.034	0.1889	0.3251	0.0046	3.91E-08
128	0.21	0.000	0.049	0.1945	0.3315	0.0047	3.99E-08
129	0.67	0.000	0.048	0.2198	0.3381	0.0048	4.07E-08
130	0.09	0.000	0.213	0.2136	0.3419	0.0048	4.12E-08
131	0.00	0.000	0.280	0.2009	0.3447	0.0049	4.15E-08
132	0.02	0.000	0.197	0.1932	0.3505	0.0050	4.22E-08
133	0.04	0.000	0.093	0.1910	0.3564	0.0050	4.29E-08
134	0.05	0.000	0.076	0.1896	0.3617	0.0051	4.36E-08
135	0.00	0.000	0.051	0.1870	0.3665	0.0052	4.42E-08
136	1.23	0.000	0.061	0.2353	0.3708	0.0053	4.47E-08
137	0.08	0.000	0.249	0.2278	0.3745	0.0053	4.51E-08
138	0.03	0.000	0.253	0.2181	0.3778	0.0054	4.55E-08
139	0.00	0.000	0.126	0.2124	0.3807	0.0054	4.59E-08
140	0.00	0.000	0.121	0.2068	0.3832	0.0054	4.62E-08
141	0.00	0.000	0.212	0.1976	0.3853	0.0055	4.64E-08
142	0.00	0.000	0.188	0.1893	0.3870	0.0055	4.66E-08
143	0.00	0.000	0.079	0.1854	0.3884	0.0055	4.68E-08
144	0.00	0.000	0.063	0.1823	0.3895	0.0055	4.69E-08
145	0.15	0.000	0.067	0.1853	0.3903	0.0055	4.70E-08
146	0.34	0.000	0.064	0.1964	0.3908	0.0055	4.71E-08
147	0.39	0.000	0.059	0.2098	0.3910	0.0055	4.71E-08
148	0.00	0.000	0.198	0.2008	0.3910	0.0055	4.71E-08
149	0.00	0.000	0.189	0.1923	0.3908	0.0055	4.71E-08
150	0.00	0.000	0.085	0.1882	0.3903	0.0055	4.71E-08
151	0.02	0.000	0.093	0.1849	0.3897	0.0055	4.70E-08
152	0.14	0.000	0.079	0.1870	0.3889	0.0055	4.69E-08

153	0.07	0.000	0.070	0.1868	0.3879	0.0055	4.68E-08
154	0.08	0.000	0.064	0.1870	0.3867	0.0055	4.66E-08
155	0.07	0.000	0.061	0.1869	0.3854	0.0055	4.65E-08
156	0.00	0.000	0.043	0.1851	0.3840	0.0054	4.63E-08
157	0.00	0.000	0.038	0.1832	0.3824	0.0054	4.61E-08
158	0.47	0.000	0.050	0.2007	0.3807	0.0054	4.59E-08
159	0.01	0.000	0.176	0.1934	0.3789	0.0054	4.57E-08
160	0.18	0.000	0.249	0.1901	0.3770	0.0053	4.54E-08
161	0.00	0.000	0.184	0.1820	0.3751	0.0053	4.52E-08
162	0.16	0.000	0.129	0.1829	0.3730	0.0053	4.49E-08
163	0.12	0.000	0.106	0.1833	0.3708	0.0053	4.47E-08
164	0.00	0.000	0.071	0.1801	0.3686	0.0052	4.44E-08
165	0.00	0.000	0.063	0.1773	0.3663	0.0052	4.41E-08
166	0.00	0.000	0.051	0.1750	0.3640	0.0052	4.38E-08
167	0.00	0.000	0.053	0.1727	0.3616	0.0051	4.36E-08
168	0.00	0.000	0.052	0.1704	0.3591	0.0051	4.33E-08
169	0.89	0.000	0.069	0.2043	0.3566	0.0051	4.30E-08
170	0.00	0.000	0.252	0.1934	0.3541	0.0050	4.26E-08
171	0.00	0.000	0.204	0.1847	0.3515	0.0050	4.23E-08
172	0.00	0.000	0.260	0.1739	0.3489	0.0049	4.20E-08
173	0.00	0.000	0.216	0.1649	0.3463	0.0049	4.17E-08
174	0.00	0.000	0.104	0.1606	0.3436	0.0049	4.14E-08
175	0.00	0.000	0.098	0.1565	0.3409	0.0048	4.11E-08
176	0.00	0.000	0.079	0.1532	0.3382	0.0048	4.07E-08
177	0.00	0.000	0.072	0.1502	0.3355	0.0048	4.04E-08
178	0.53	0.000	0.085	0.1688	0.3328	0.0047	4.01E-08
179	0.00	0.000	0.085	0.1653	0.3301	0.0047	3.97E-08
180	0.19	0.000	0.075	0.1702	0.3274	0.0046	3.94E-08
181	0.00	0.000	0.307	0.1575	0.3247	0.0046	3.91E-08
182	0.01	0.000	0.100	0.1535	0.3219	0.0046	3.87E-08
183	0.00	0.000	0.100	0.1493	0.3192	0.0045	3.84E-08
184	0.00	0.000	0.083	0.1459	0.3165	0.0045	3.81E-08

185	0.00	0.000	0.079	0.1426	0.3138	0.0044	3.78E-08
186	0.00	0.000	0.073	0.1395	0.3111	0.0044	3.74E-08
187	0.42	0.000	0.073	0.1539	0.3083	0.0044	3.71E-08
188	0.00	0.000	0.222	0.1446	0.3057	0.0043	3.68E-08
189	0.00	0.000	0.114	0.1399	0.3030	0.0043	3.64E-08
190	0.06	0.000	0.115	0.1374	0.3003	0.0043	3.61E-08
191	0.00	0.000	0.074	0.1346	0.2976	0.0042	3.58E-08
192	0.00	0.000	0.129	0.1292	0.2950	0.0042	3.55E-08
193	0.00	0.000	0.097	0.1252	0.2924	0.0041	3.52E-08
194	0.00	0.000	0.073	0.1222	0.2898	0.0041	3.49E-08
195	0.00	0.000	0.107	0.1177	0.2872	0.0041	3.45E-08
196	0.01	0.000	0.105	0.1138	0.2846	0.0040	3.42E-08
197	0.25	0.000	0.093	0.1202	0.2821	0.0040	3.39E-08
198	0.00	0.000	0.087	0.1165	0.2795	0.0040	3.36E-08
199	0.00	0.000	0.178	0.1091	0.2770	0.0039	3.33E-08
200	0.00	0.000	0.144	0.1031	0.2745	0.0039	3.30E-08
201	0.00	0.000	0.084	0.0996	0.2720	0.0039	3.27E-08
202	0.00	0.000	0.161	0.0929	0.2696	0.0038	3.24E-08
203	0.00	0.000	0.108	0.0884	0.2671	0.0038	3.21E-08
204	0.03	0.000	0.110	0.0848	0.2647	0.0038	3.18E-08
205	0.00	0.000	0.076	0.0817	0.2623	0.0037	3.15E-08
206	0.00	0.000	0.095	0.0777	0.2600	0.0037	3.12E-08
207	0.00	0.000	0.160	0.0710	0.2576	0.0037	3.10E-08
208	0.63	0.000	0.106	0.0930	0.2553	0.0036	3.07E-08
209	0.44	0.000	0.315	0.0983	0.2530	0.0036	3.04E-08
210	0.20	0.000	0.128	0.1015	0.2508	0.0036	3.01E-08
211	0.29	0.000	0.156	0.1052	0.2467	0.0035	2.96E-08
212	0.00	0.000	0.183	0.0964	0.2388	0.0034	2.87E-08
213	0.02	0.000	0.248	0.0867	0.2358	0.0033	2.83E-08
214	0.00	0.000	0.144	0.0807	0.2341	0.0033	2.81E-08
215	0.00	0.000	0.123	0.0756	0.2325	0.0033	2.79E-08
216	0.16	0.000	0.185	0.0744	0.2309	0.0033	2.77E-08

217	0.03	0.000	0.213	0.0664	0.2266	0.0032	2.72E-08
218	0.03	0.000	0.082	0.0644	0.2225	0.0032	2.67E-08
219	0.00	0.000	0.165	0.0575	0.2212	0.0031	2.66E-08
220	0.00	0.000	0.114	0.0521	0.2186	0.0031	2.62E-08
221	0.81	0.000	0.094	0.0815	0.2117	0.0030	2.54E-08
222	0.02	0.000	0.109	0.0773	0.2051	0.0029	2.46E-08
223	0.74	0.000	0.074	0.1049	0.2032	0.0029	2.44E-08
224	0.20	0.000	0.062	0.1104	0.2005	0.0028	2.41E-08
225	0.59	0.000	0.177	0.1274	0.1987	0.0028	2.39E-08
226	0.29	0.000	0.162	0.1329	0.1984	0.0028	2.38E-08
227	0.08	0.000	0.157	0.1298	0.1979	0.0028	2.38E-08
228	0.07	0.000	0.203	0.1241	0.1975	0.0028	2.37E-08
229	0.17	0.000	0.218	0.1221	0.1969	0.0028	2.36E-08
230	0.00	0.000	0.168	0.1149	0.1960	0.0028	2.35E-08
231	0.00	0.000	0.201	0.1058	0.1903	0.0027	2.28E-08
232	0.00	0.000	0.224	0.0964	0.1888	0.0027	2.26E-08
233	0.00	0.000	0.198	0.0882	0.1885	0.0027	2.26E-08
234	0.00	0.000	0.178	0.0808	0.1883	0.0027	2.26E-08
235	0.00	0.000	0.166	0.0736	0.1879	0.0027	2.25E-08
236	0.00	0.000	0.206	0.0650	0.1859	0.0026	2.23E-08
237	0.00	0.000	0.119	0.0600	0.1856	0.0026	2.23E-08
238	0.00	0.000	0.086	0.0564	0.1852	0.0026	2.22E-08
239	0.77	0.000	0.107	0.0839	0.1849	0.0026	2.22E-08
240	0.00	0.000	0.122	0.0786	0.1840	0.0026	2.21E-08
241	0.00	0.000	0.079	0.0751	0.1812	0.0026	2.17E-08
242	0.00	0.000	0.141	0.0687	0.1748	0.0025	2.10E-08
243	0.11	0.000	0.103	0.0687	0.1695	0.0024	2.03E-08
244	0.11	0.000	0.055	0.0711	0.1694	0.0024	2.03E-08
245	0.01	0.000	0.044	0.0697	0.1697	0.0024	2.03E-08
246	0.00	0.000	0.046	0.0675	0.1682	0.0024	2.02E-08
247	0.01	0.000	0.024	0.0668	0.1646	0.0023	1.97E-08
248	0.01	0.000	0.036	0.0657	0.1651	0.0023	1.98E-08

249		0.25	0.000	0.057	0.0740	0.1654	0.0023	1.98E-08
250		0.00	0.000	0.021	0.0730	0.1637	0.0023	1.96E-08
251	*	0.00	0.000	0.016	0.0724	0.1628	0.0023	1.95E-08
252		0.01	0.000	0.032	0.0715	0.1632	0.0023	1.96E-08
253	*	0.19	0.000	0.039	0.0724	0.1635	0.0023	1.96E-08
254	*	0.16	0.000	0.023	0.0732	0.1637	0.0023	1.96E-08
255	*	0.00	0.000	0.020	0.0740	0.1639	0.0023	1.96E-08
256	*	0.59	0.000	0.016	0.0748	0.1640	0.0023	1.97E-08
257	*	0.01	0.000	0.000	0.0756	0.1640	0.0023	1.97E-08
258	*	0.07	0.000	0.024	0.0765	0.1640	0.0023	1.97E-08
259	*	0.00	0.000	0.031	0.0773	0.1637	0.0023	1.96E-08
260		0.00	0.000	0.001	0.1079	0.1632	0.0023	1.96E-08
261		0.00	0.000	0.060	0.1054	0.1624	0.0023	1.95E-08
262		0.00	0.000	0.039	0.1038	0.1614	0.0023	1.94E-08
263		0.60	0.000	0.083	0.1254	0.1602	0.0023	1.92E-08
264		0.88	0.000	0.132	0.1563	0.1580	0.0022	1.89E-08
265		0.00	0.000	0.029	0.1551	0.1553	0.0022	1.86E-08
266		0.00	0.000	0.049	0.1531	0.1540	0.0022	1.85E-08
267		0.00	0.000	0.051	0.1509	0.1526	0.0022	1.83E-08
268		0.50	0.000	0.099	0.1676	0.1510	0.0021	1.81E-08
269		0.15	0.000	0.138	0.1680	0.1492	0.0021	1.79E-08
270		0.59	0.000	0.121	0.1874	0.1462	0.0021	1.75E-08
271		0.06	0.000	0.059	0.1873	0.1431	0.0020	1.72E-08
272		0.19	0.000	0.069	0.1922	0.1394	0.0020	1.67E-08
273		0.00	0.000	0.053	0.1900	0.1379	0.0020	1.65E-08
274		0.00	0.000	0.074	0.1869	0.1363	0.0019	1.63E-08
275		0.00	0.000	0.080	0.1836	0.1345	0.0019	1.61E-08
276		0.00	0.000	0.052	0.1815	0.1327	0.0019	1.59E-08
277		0.16	0.000	0.077	0.1848	0.1307	0.0019	1.57E-08
278		0.00	0.000	0.061	0.1822	0.1287	0.0018	1.54E-08
279		0.00	0.000	0.029	0.1810	0.1265	0.0018	1.52E-08
280		0.01	0.000	0.069	0.1784	0.1243	0.0018	1.49E-08

281	*		0.94	0.000	0.025	0.1791	0.1220	0.0017	1.46E-08
282			0.00	0.000	0.000	0.2160	0.1178	0.0017	1.41E-08
283	*		0.05	0.000	0.025	0.2163	0.1141	0.0016	1.37E-08
284	*		0.00	0.000	0.010	0.2163	0.1118	0.0016	1.34E-08
285	*		0.00	0.000	0.000	0.2163	0.1106	0.0016	1.32E-08
286	*		0.34	0.000	0.024	0.2171	0.1093	0.0015	1.31E-08
287	*		0.00	0.000	0.012	0.2179	0.1080	0.0015	1.29E-08
288			0.00	0.000	0.023	0.2281	0.1065	0.0015	1.28E-08
289	*		0.00	0.000	0.000	0.2281	0.1050	0.0015	1.26E-08
290	*		0.00	0.000	0.000	0.2281	0.1034	0.0015	1.24E-08
291			0.00	0.000	0.043	0.2263	0.1017	0.0014	1.22E-08
292	*		0.00	0.000	0.000	0.2263	0.0999	0.0014	1.20E-08
293	*		0.00	0.000	0.000	0.2263	0.0982	0.0014	1.17E-08
294			0.00	0.000	0.032	0.2250	0.0963	0.0014	1.15E-08
295			0.00	0.000	0.049	0.2229	0.0945	0.0013	1.13E-08
296			0.00	0.000	0.172	0.2158	0.0926	0.0013	1.11E-08
297			0.26	0.000	0.069	0.2236	0.0906	0.0013	1.08E-08
298			0.01	0.000	0.036	0.2227	0.0887	0.0013	1.06E-08
299	*		0.00	0.000	0.000	0.2227	0.0867	0.0012	1.04E-08
300	*		0.63	0.000	0.022	0.2235	0.0848	0.0012	1.01E-08
301	*		0.22	0.000	0.007	0.2243	0.0828	0.0012	9.91E-09
302			0.00	0.000	0.000	0.2526	0.0807	0.0011	9.66E-09
303			0.15	0.000	0.001	0.2627	0.0784	0.0011	9.38E-09
304	*		0.04	0.000	0.010	0.2635	0.0766	0.0011	9.17E-09
305	*		0.21	0.000	0.003	0.2643	0.0749	0.0011	8.96E-09
306	*		0.00	0.000	0.003	0.2652	0.0731	0.0010	8.75E-09
307	*	*	0.10	0.000	0.000	0.2652	0.0714	0.0010	8.53E-09
308		*	0.00	0.000	0.020	0.2695	0.0696	0.0010	8.32E-09
309	*	*	0.00	0.000	0.027	0.2695	0.0679	0.0010	8.12E-09
310	*	*	0.00	0.000	0.023	0.2695	0.0661	0.0009	7.91E-09
311	*	*	0.00	0.000	0.018	0.2695	0.0644	0.0009	7.70E-09
312	*	*	0.00	0.000	0.013	0.2695	0.0627	0.0009	7.50E-09

313		*	0.00	0.000	0.032	0.2709	0.0610	0.0009	7.30E-09
314	*	*	0.15	0.000	0.025	0.2709	0.0594	0.0008	7.17E-09
315		*	0.00	0.000	0.016	0.2755	0.0578	0.0008	7.16E-09
316		*	0.00	0.000	0.000	0.2755	0.0562	0.0008	7.15E-09
317		*	0.00	0.000	0.000	0.2755	0.0546	0.0008	7.14E-09
318		*	0.00	0.000	0.000	0.2755	0.0530	0.0008	7.13E-09
319		*	0.00	0.000	0.000	0.2755	0.0515	0.0007	7.12E-09
320	*	*	0.00	0.000	0.000	0.2755	0.0501	0.0007	7.11E-09
321		*	0.00	0.000	0.000	0.2755	0.0486	0.0007	7.10E-09
322	*	*	0.00	0.000	0.000	0.2755	0.0472	0.0007	7.09E-09
323	*	*	0.00	0.000	0.000	0.2755	0.0459	0.0006	7.08E-09
324	*	*	0.00	0.000	0.000	0.2755	0.0445	0.0006	7.08E-09
325	*	*	0.00	0.000	0.000	0.2755	0.0432	0.0006	7.07E-09
326		*	0.01	0.000	0.006	0.2755	0.0420	0.0006	7.06E-09
327		*	0.36	0.000	0.023	0.2897	0.0408	0.0006	7.05E-09
328		*	0.00	0.000	0.000	0.2897	0.0396	0.0006	7.05E-09
329	*	*	0.00	0.000	0.000	0.2897	0.0385	0.0005	7.04E-09
330	*	*	0.16	0.000	0.009	0.2897	0.0374	0.0005	7.03E-09
331		*	0.00	0.000	0.017	0.2954	0.0364	0.0005	7.03E-09
332		*	0.00	0.000	0.000	0.2954	0.0354	0.0005	7.02E-09
333		*	0.00	0.000	0.000	0.2954	0.0345	0.0005	7.01E-09
334		*	0.05	0.000	0.020	0.2966	0.0336	0.0005	7.01E-09
335	*	*	0.01	0.000	0.011	0.2966	0.0327	0.0005	7.00E-09
336	*	*	0.00	0.000	0.000	0.2966	0.0319	0.0005	7.00E-09
337	*	*	0.00	0.000	0.000	0.2966	0.0312	0.0004	6.99E-09
338	*	*	0.00	0.000	0.000	0.2966	0.0305	0.0004	6.99E-09
339	*	*	0.00	0.000	0.000	0.2966	0.0298	0.0004	6.98E-09
340	*	*	0.18	0.000	0.003	0.2966	0.0292	0.0004	6.98E-09
341	*	*	0.00	0.000	0.001	0.2966	0.0286	0.0004	6.98E-09
342	*	*	0.00	0.000	0.001	0.2966	0.0281	0.0004	6.97E-09
343	*	*	0.03	0.000	0.000	0.2966	0.0276	0.0004	6.97E-09
344	*	*	0.00	0.000	0.007	0.2966	0.0272	0.0004	6.97E-09

345	*	*	0.00	0.000	0.007	0.2966	0.0268	0.0004	6.97E-09
346	*	*	0.01	0.000	0.008	0.2966	0.0265	0.0004	6.96E-09
347		*	0.00	0.000	0.013	0.3006	0.0262	0.0004	6.96E-09
348	*	*	0.26	0.000	0.018	0.3006	0.0259	0.0004	6.96E-09
349		*	0.09	0.000	0.000	0.3179	0.0257	0.0004	6.96E-09
350	*	*	0.00	0.000	0.000	0.3179	0.0256	0.0004	6.96E-09
351	*	*	0.00	0.000	0.000	0.3179	0.0255	0.0004	6.96E-09
352	*	*	0.00	0.000	0.000	0.3179	0.0254	0.0004	6.96E-09
353		*	0.04	0.000	0.019	0.3190	0.0254	0.0004	6.96E-09
354		*	0.00	0.000	0.000	0.3190	0.0255	0.0004	6.96E-09
355		*	0.05	0.000	0.020	0.3202	0.0255	0.0004	6.96E-09
356	*	*	0.05	0.000	0.023	0.3202	0.0257	0.0004	6.96E-09
357	*	*	0.00	0.000	0.007	0.3202	0.0258	0.0004	6.96E-09
358	*	*	0.00	0.000	0.022	0.3202	0.0260	0.0004	6.96E-09
359	*	*	0.00	0.000	0.002	0.3202	0.0263	0.0004	6.96E-09
360	*	*	0.00	0.000	0.000	0.3202	0.0266	0.0004	6.96E-09
361	*	*	0.00	0.000	0.000	0.3202	0.0269	0.0004	6.97E-09
362	*	*	0.00	0.000	0.000	0.3202	0.0273	0.0004	6.97E-09
363	*	*	0.00	0.000	0.004	0.3202	0.0277	0.0004	6.97E-09
364	*	*	0.00	0.000	0.000	0.3202	0.0282	0.0004	6.97E-09
365	*	*	0.01	0.000	0.003	0.3202	0.0287	0.0004	6.98E-09

* = Frozen (air or soil)

Annual Totals for Year 8			
	inches	cubic feet	percent
Precipitation	26.26	801,700.9	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	21.279	649,605.2	81.03
Drainage Collected from Layer 2	1.1002	33,587.0	4.19
Percolation/Leakage through Layer 4	0.000009	0.2896	0.00

Average Head on Top of Layer 3	0.2122	---	---
Change in Water Storage	3.8819	118,508.4	14.78
Soil Water at Start of Year	52.6556	1,607,485.0	200.51
Soil Water at End of Year	56.6247	1,728,656.7	215.62
Snow Water at Start of Year	0.0872	2,663.3	0.33
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 9

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.3202	0.0298	0.0004	6.98E-09
2		*	0.00	0.000	0.000	0.3202	0.0304	0.0004	6.99E-09
3		*	0.00	0.000	0.000	0.3202	0.0310	0.0004	6.99E-09
4		*	0.00	0.000	0.000	0.3202	0.0317	0.0004	7.00E-09
5		*	0.00	0.000	0.000	0.3202	0.0325	0.0005	7.00E-09
6	*	*	0.00	0.000	0.000	0.3202	0.0332	0.0005	7.01E-09
7	*	*	0.00	0.000	0.000	0.3202	0.0340	0.0005	7.01E-09
8		*	0.00	0.000	0.000	0.3202	0.0348	0.0005	7.02E-09
9		*	0.00	0.000	0.000	0.3202	0.0357	0.0005	7.02E-09
10		*	0.00	0.000	0.000	0.3202	0.0366	0.0005	7.03E-09
11	*	*	0.00	0.000	0.000	0.3202	0.0376	0.0005	7.03E-09
12		*	0.00	0.000	0.000	0.3202	0.0385	0.0005	7.04E-09
13		*	0.00	0.000	0.002	0.3202	0.0395	0.0006	7.04E-09
14		*	0.08	0.000	0.022	0.3226	0.0405	0.0006	7.05E-09
15		*	0.02	0.000	0.013	0.3228	0.0416	0.0006	7.06E-09
16		*	0.00	0.000	0.000	0.3228	0.0427	0.0006	7.06E-09
17		*	0.43	0.000	0.023	0.3398	0.0438	0.0006	7.07E-09
18		*	0.00	0.000	0.000	0.3398	0.0450	0.0006	7.08E-09
19		*	0.02	0.000	0.015	0.3402	0.0461	0.0007	7.09E-09
20		*	0.04	0.000	0.019	0.3410	0.0474	0.0007	7.09E-09
21		*	0.00	0.000	0.000	0.3410	0.0486	0.0007	7.10E-09
22			0.00	0.000	0.030	0.3397	0.0498	0.0007	7.11E-09
23			0.00	0.000	0.024	0.3387	0.0511	0.0007	7.12E-09
24	*		0.00	0.000	0.000	0.3387	0.0524	0.0007	7.13E-09

25			0.00	0.000	0.020	0.3329	0.0531	0.0008	7.13E-09
26	*		0.00	0.000	0.015	0.3228	0.0513	0.0007	7.12E-09
27	*		0.00	0.000	0.000	0.3146	0.0494	0.0007	7.11E-09
28	*		0.00	0.000	0.000	0.3078	0.0476	0.0007	7.10E-09
29	*		0.00	0.000	0.000	0.3020	0.0458	0.0006	7.08E-09
30	*		0.09	0.000	0.003	0.2978	0.0441	0.0006	7.07E-09
31	*		0.02	0.000	0.002	0.2941	0.0424	0.0006	7.06E-09
32	*	*	0.00	0.000	0.002	0.2941	0.0465	0.0007	7.09E-09
33	*	*	0.00	0.000	0.006	0.2941	0.0594	0.0008	7.31E-09
34	*	*	0.00	0.000	0.014	0.2941	0.0715	0.0010	8.56E-09
35		*	0.00	0.000	0.036	0.2945	0.0830	0.0012	9.94E-09
36		*	0.00	0.000	0.000	0.2945	0.0939	0.0013	1.12E-08
37	*	*	0.00	0.000	0.000	0.2945	0.1042	0.0015	1.25E-08
38	*	*	0.00	0.000	0.000	0.2945	0.1138	0.0016	1.36E-08
39		*	0.00	0.000	0.000	0.2945	0.1229	0.0017	1.47E-08
40		*	0.04	0.000	0.017	0.2954	0.1315	0.0019	1.58E-08
41		*	0.13	0.000	0.020	0.3001	0.1396	0.0020	1.67E-08
42	*	*	0.42	0.000	0.015	0.3001	0.1471	0.0021	1.76E-08
43	*	*	0.00	0.000	0.022	0.3001	0.1543	0.0022	1.85E-08
44	*	*	0.00	0.000	0.018	0.3001	0.1609	0.0023	1.93E-08
45	*	*	0.05	0.000	0.000	0.3001	0.1672	0.0024	2.00E-08
46	*	*	0.05	0.000	0.018	0.3001	0.1731	0.0025	2.08E-08
47	*	*	0.00	0.000	0.022	0.3001	0.1785	0.0025	2.14E-08
48	*	*	0.00	0.000	0.008	0.3001	0.1837	0.0026	2.20E-08
49	*	*	0.00	0.000	0.009	0.3001	0.1884	0.0027	2.26E-08
50	*	*	0.08	0.000	0.004	0.3001	0.1929	0.0027	2.31E-08
51	*	*	0.00	0.000	0.009	0.3001	0.1970	0.0028	2.36E-08
52	*	*	0.00	0.000	0.003	0.3001	0.2009	0.0028	2.41E-08
53	*	*	0.00	0.000	0.002	0.3001	0.2044	0.0029	2.45E-08
54	*	*	0.00	0.000	0.016	0.3001	0.2077	0.0029	2.49E-08
55	*	*	0.00	0.000	0.006	0.3001	0.2107	0.0030	2.53E-08
56	*	*	0.16	0.000	0.012	0.3001	0.2135	0.0030	2.56E-08

57		*	0.01	0.000	0.000	0.3252	0.2161	0.0031	2.59E-08
58		*	0.16	0.000	0.018	0.3310	0.2184	0.0031	2.62E-08
59		*	0.18	0.000	0.018	0.3379	0.2205	0.0031	2.65E-08
60		*	0.01	0.000	0.010	0.3381	0.2225	0.0032	2.67E-08
61		*	0.00	0.000	0.000	0.3381	0.2242	0.0032	2.69E-08
62		*	0.00	0.000	0.000	0.3381	0.2258	0.0032	2.71E-08
63	*	*	0.00	0.000	0.000	0.3381	0.2271	0.0032	2.73E-08
64	*	*	0.03	0.000	0.027	0.3381	0.2284	0.0032	2.74E-08
65	*	*	0.40	0.000	0.009	0.3381	0.2295	0.0033	2.76E-08
66	*	*	0.00	0.000	0.004	0.3381	0.2304	0.0033	2.77E-08
67	*	*	0.07	0.000	0.006	0.3381	0.2312	0.0033	2.78E-08
68	*	*	0.00	0.000	0.013	0.3381	0.2318	0.0033	2.78E-08
69	*	*	0.00	0.000	0.022	0.3381	0.2324	0.0033	2.79E-08
70	*	*	0.00	0.000	0.009	0.3381	0.2328	0.0033	2.80E-08
71	*	*	0.00	0.000	0.017	0.3381	0.2331	0.0033	2.80E-08
72	*	*	0.19	0.000	0.000	0.3381	0.2333	0.0033	2.80E-08
73	*	*	0.00	0.000	0.011	0.3381	0.2334	0.0033	2.80E-08
74	*	*	0.00	0.000	0.016	0.3381	0.2334	0.0033	2.80E-08
75	*	*	0.00	0.000	0.019	0.3381	0.2334	0.0033	2.80E-08
76	*	*	0.12	0.000	0.000	0.3381	0.2332	0.0033	2.80E-08
77	*	*	0.03	0.000	0.000	0.3381	0.2330	0.0033	2.80E-08
78	*	*	0.10	0.000	0.000	0.3381	0.2327	0.0033	2.79E-08
79	*	*	0.10	0.000	0.009	0.3381	0.2323	0.0033	2.79E-08
80		*	0.00	0.000	0.000	0.3526	0.2318	0.0033	2.78E-08
81	*	*	0.00	0.000	0.024	0.3526	0.2313	0.0033	2.78E-08
82		*	0.00	0.000	0.066	0.3708	0.2308	0.0033	2.77E-08
83		*	0.12	0.000	0.016	0.3751	0.2301	0.0033	2.76E-08
84	*	*	0.05	0.000	0.032	0.3751	0.2292	0.0032	2.75E-08
85	*	*	0.00	0.000	0.015	0.3751	0.2279	0.0032	2.74E-08
86	*	*	0.00	0.000	0.002	0.3751	0.2264	0.0032	2.72E-08
87	*	*	0.00	0.000	0.000	0.3751	0.2246	0.0032	2.70E-08
88	*	*	0.00	0.000	0.000	0.3751	0.2225	0.0032	2.67E-08

89		*	0.00	0.000	0.000	0.3751	0.2203	0.0031	2.64E-08
90	*	*	0.00	0.000	0.000	0.3751	0.2178	0.0031	2.61E-08
91	*	*	0.00	0.000	0.000	0.3751	0.2151	0.0030	2.58E-08
92	*	*	0.00	0.000	0.000	0.3751	0.2123	0.0030	2.55E-08
93		*	0.00	0.000	0.000	0.3751	0.2094	0.0030	2.51E-08
94		*	0.46	0.000	0.015	0.3938	0.2063	0.0029	2.48E-08
95		*	0.00	0.000	0.000	0.3938	0.2030	0.0029	2.44E-08
96		*	0.00	0.000	0.000	0.3938	0.1997	0.0028	2.40E-08
97		*	1.18	0.000	0.014	0.4422	0.1963	0.0028	2.36E-08
98		*	0.18	0.000	0.014	0.4492	0.1929	0.0027	2.31E-08
99	*	*	0.12	0.000	0.055	0.4492	0.1893	0.0027	2.27E-08
100		*	0.00	0.000	0.068	0.4492	0.1857	0.0026	2.23E-08
101	*	*	0.00	0.000	0.000	0.4492	0.1821	0.0026	2.18E-08
102		*	0.00	0.000	0.000	0.4492	0.1784	0.0025	2.14E-08
103	*	*	0.00	0.000	0.000	0.4492	0.1747	0.0025	2.10E-08
104	*	*	0.00	0.000	0.000	0.4492	0.1710	0.0024	2.05E-08
105		*	0.00	0.000	0.000	0.4492	0.1673	0.0024	2.01E-08
106		*	0.00	0.000	0.000	0.4492	0.1636	0.0023	1.96E-08
107		*	0.00	0.000	0.000	0.4492	0.1599	0.0023	1.92E-08
108		*	0.00	0.000	0.000	0.4492	0.1562	0.0022	1.87E-08
109		*	0.00	0.000	0.000	0.4492	0.1525	0.0022	1.83E-08
110		*	0.00	0.000	0.000	0.4492	0.1489	0.0021	1.78E-08
111	*	*	0.00	0.000	0.000	0.4492	0.1452	0.0021	1.74E-08
112	*	*	0.00	0.000	0.000	0.4492	0.1416	0.0020	1.70E-08
113	*	*	0.00	0.000	0.000	0.4492	0.1381	0.0020	1.65E-08
114		*	0.00	0.000	0.000	0.4492	0.1346	0.0019	1.61E-08
115		*	0.00	0.000	0.000	0.4492	0.1311	0.0019	1.57E-08
116		*	0.00	0.000	0.000	0.4492	0.1277	0.0018	1.53E-08
117		*	0.00	0.000	0.000	0.4492	0.1243	0.0018	1.49E-08
118		*	0.00	0.000	0.000	0.4492	0.1210	0.0017	1.45E-08
119		*	0.34	0.000	0.013	0.4628	0.1177	0.0017	1.41E-08
120		*	0.05	0.000	0.012	0.4642	0.1145	0.0016	1.37E-08

121		0.23	0.000	0.290	0.4423	0.1114	0.0016	1.33E-08
122		0.00	0.000	0.209	0.3690	0.1080	0.0015	1.29E-08
123	*	0.00	0.000	0.101	0.3444	0.1045	0.0015	1.25E-08
124	*	0.04	0.000	0.055	0.3309	0.1075	0.0015	1.29E-08
125		0.40	0.000	0.072	0.3347	0.1119	0.0016	1.34E-08
126		0.00	0.000	0.141	0.3202	0.1161	0.0016	1.39E-08
127		0.00	0.000	0.299	0.3016	0.1200	0.0017	1.44E-08
128		0.77	0.000	0.223	0.3195	0.1237	0.0018	1.48E-08
129		0.12	0.000	0.298	0.3061	0.1271	0.0018	1.52E-08
130		0.08	0.000	0.130	0.2987	0.1304	0.0018	1.56E-08
131		0.00	0.000	0.224	0.2865	0.1335	0.0019	1.60E-08
132		0.04	0.000	0.098	0.2813	0.1364	0.0019	1.63E-08
133		0.27	0.000	0.064	0.2872	0.1390	0.0020	1.67E-08
134	*	0.00	0.000	0.000	0.2848	0.1416	0.0020	1.70E-08
135		0.03	0.000	0.115	0.2782	0.1439	0.0020	1.72E-08
136		0.08	0.000	0.249	0.2684	0.1461	0.0021	1.75E-08
137		0.00	0.000	0.213	0.2581	0.1482	0.0021	1.78E-08
138		0.00	0.000	0.082	0.2535	0.1501	0.0021	1.80E-08
139		0.00	0.000	0.162	0.2452	0.1519	0.0022	1.82E-08
140		0.00	0.000	0.165	0.2375	0.1535	0.0022	1.84E-08
141		0.00	0.000	0.101	0.2327	0.1550	0.0022	1.86E-08
142		0.00	0.000	0.078	0.2283	0.1564	0.0022	1.88E-08
143		0.00	0.000	0.060	0.2245	0.1577	0.0022	1.89E-08
144		0.01	0.000	0.058	0.2211	0.1589	0.0023	1.90E-08
145		0.00	0.000	0.046	0.2180	0.1600	0.0023	1.92E-08
146		0.00	0.000	0.042	0.2154	0.1609	0.0023	1.93E-08
147		0.00	0.000	0.038	0.2130	0.1618	0.0023	1.94E-08
148		0.00	0.000	0.036	0.2109	0.1626	0.0023	1.95E-08
149	*	0.00	0.000	0.034	0.2090	0.1633	0.0023	1.96E-08
150	*	0.00	0.000	0.031	0.2072	0.1639	0.0023	1.97E-08
151		0.00	0.000	0.031	0.2053	0.1645	0.0023	1.97E-08
152		0.00	0.000	0.029	0.2037	0.1650	0.0023	1.98E-08

153	0.00	0.000	0.029	0.2022	0.1654	0.0023	1.98E-08
154	0.38	0.000	0.040	0.2159	0.1657	0.0023	1.99E-08
155	0.00	0.000	0.027	0.2144	0.1660	0.0024	1.99E-08
156	0.00	0.000	0.026	0.2129	0.1662	0.0024	1.99E-08
157	0.00	0.000	0.027	0.2113	0.1663	0.0024	1.99E-08
158	0.00	0.000	0.027	0.2097	0.1664	0.0024	2.00E-08
159	0.00	0.000	0.027	0.2080	0.1665	0.0024	2.00E-08
160	0.08	0.000	0.041	0.2089	0.1665	0.0024	2.00E-08
161	0.04	0.000	0.038	0.2085	0.1664	0.0024	2.00E-08
162	0.02	0.000	0.031	0.2071	0.1663	0.0024	1.99E-08
163	0.16	0.000	0.034	0.2116	0.1662	0.0024	1.99E-08
164	0.12	0.000	0.033	0.2143	0.1660	0.0024	1.99E-08
165	0.00	0.000	0.026	0.2126	0.1658	0.0023	1.99E-08
166	0.07	0.000	0.036	0.2133	0.1655	0.0023	1.98E-08
167	0.12	0.000	0.032	0.2165	0.1653	0.0023	1.98E-08
168	0.10	0.000	0.032	0.2187	0.1649	0.0023	1.98E-08
169	0.00	0.000	0.230	0.2081	0.1626	0.0023	1.95E-08
170	0.11	0.000	0.040	0.2106	0.1606	0.0023	1.93E-08
171	0.01	0.000	0.037	0.2092	0.1604	0.0023	1.92E-08
172	0.00	0.000	0.028	0.2077	0.1602	0.0023	1.92E-08
173	0.00	0.000	0.029	0.2060	0.1599	0.0023	1.92E-08
174	0.00	0.000	0.033	0.2041	0.1596	0.0023	1.91E-08
175	0.75	0.000	0.045	0.2331	0.1593	0.0023	1.91E-08
176	0.00	0.000	0.150	0.2263	0.1586	0.0022	1.90E-08
177	0.38	0.000	0.290	0.2300	0.1582	0.0022	1.90E-08
178	0.00	0.000	0.239	0.2198	0.1578	0.0022	1.89E-08
179	0.26	0.000	0.207	0.2217	0.1574	0.0022	1.89E-08
180	0.27	0.000	0.141	0.2267	0.1570	0.0022	1.88E-08
181	0.09	0.000	0.342	0.2159	0.1565	0.0022	1.88E-08
182	0.00	0.000	0.287	0.2034	0.1550	0.0022	1.86E-08
183	0.00	0.000	0.188	0.1948	0.1509	0.0021	1.81E-08
184	0.17	0.000	0.112	0.1967	0.1487	0.0021	1.78E-08

185	0.10	0.000	0.102	0.1962	0.1486	0.0021	1.78E-08
186	0.00	0.000	0.091	0.1920	0.1485	0.0021	1.78E-08
187	0.00	0.000	0.069	0.1886	0.1471	0.0021	1.76E-08
188	0.00	0.000	0.074	0.1849	0.1465	0.0021	1.76E-08
189	0.23	0.000	0.068	0.1913	0.1460	0.0021	1.75E-08
190	0.00	0.000	0.254	0.1801	0.1445	0.0020	1.73E-08
191	0.00	0.000	0.079	0.1764	0.1418	0.0020	1.70E-08
192	0.00	0.000	0.080	0.1727	0.1418	0.0020	1.70E-08
193	0.00	0.000	0.081	0.1689	0.1418	0.0020	1.70E-08
194	0.09	0.000	0.071	0.1692	0.1417	0.0020	1.70E-08
195	0.15	0.000	0.099	0.1708	0.1416	0.0020	1.70E-08
196	0.00	0.000	0.112	0.1658	0.1415	0.0020	1.70E-08
197	0.11	0.000	0.129	0.1648	0.1414	0.0020	1.69E-08
198	0.00	0.000	0.111	0.1599	0.1412	0.0020	1.69E-08
199	0.22	0.000	0.078	0.1659	0.1410	0.0020	1.69E-08
200	0.40	0.000	0.128	0.1769	0.1408	0.0020	1.69E-08
201	0.00	0.000	0.271	0.1651	0.1386	0.0020	1.66E-08
202	0.40	0.000	0.334	0.1674	0.1334	0.0019	1.60E-08
203	0.09	0.000	0.321	0.1571	0.1284	0.0018	1.54E-08
204	0.00	0.000	0.192	0.1488	0.1255	0.0018	1.50E-08
205	0.00	0.000	0.270	0.1372	0.1246	0.0018	1.49E-08
206	0.06	0.000	0.215	0.1307	0.1237	0.0018	1.48E-08
207	0.65	0.000	0.120	0.1528	0.1242	0.0018	1.49E-08
208	0.00	0.000	0.116	0.1479	0.1246	0.0018	1.49E-08
209	0.00	0.000	0.114	0.1432	0.1250	0.0018	1.50E-08
210	0.00	0.000	0.269	0.1320	0.1253	0.0018	1.50E-08
211	0.13	0.000	0.098	0.1335	0.1256	0.0018	1.51E-08
212	0.11	0.000	0.226	0.1285	0.1259	0.0018	1.51E-08
213	0.00	0.000	0.128	0.1232	0.1261	0.0018	1.51E-08
214	0.00	0.000	0.125	0.1180	0.1263	0.0018	1.51E-08
215	0.00	0.000	0.120	0.1130	0.1264	0.0018	1.51E-08
216	0.04	0.000	0.127	0.1091	0.1265	0.0018	1.52E-08

217	0.60	0.000	0.206	0.1255	0.1266	0.0018	1.52E-08
218	0.00	0.000	0.199	0.1172	0.1257	0.0018	1.51E-08
219	0.91	0.000	0.254	0.1445	0.1238	0.0018	1.48E-08
220	0.00	0.000	0.259	0.1337	0.1212	0.0017	1.45E-08
221	0.00	0.000	0.257	0.1230	0.1177	0.0017	1.41E-08
222	0.73	0.000	0.274	0.1419	0.1134	0.0016	1.36E-08
223	0.00	0.000	0.276	0.1304	0.1091	0.0015	1.31E-08
224	0.00	0.000	0.260	0.1196	0.1050	0.0015	1.26E-08
225	0.57	0.000	0.140	0.1375	0.1011	0.0014	1.21E-08
226	0.00	0.000	0.106	0.1330	0.0973	0.0014	1.16E-08
227	0.00	0.000	0.203	0.1235	0.0936	0.0013	1.12E-08
228	0.00	0.000	0.225	0.1133	0.0901	0.0013	1.08E-08
229	0.00	0.000	0.253	0.1028	0.0867	0.0012	1.04E-08
230	0.00	0.000	0.107	0.0984	0.0835	0.0012	9.99E-09
231	0.21	0.000	0.097	0.1031	0.0804	0.0011	9.61E-09
232	0.01	0.000	0.131	0.0978	0.0773	0.0011	9.25E-09
233	0.00	0.000	0.101	0.0932	0.0744	0.0011	8.90E-09
234	0.36	0.000	0.254	0.0975	0.0716	0.0010	8.57E-09
235	0.00	0.000	0.119	0.0922	0.0690	0.0010	8.25E-09
236	0.00	0.000	0.124	0.0871	0.0664	0.0009	7.94E-09
237	0.00	0.000	0.107	0.0826	0.0639	0.0009	7.64E-09
238	0.00	0.000	0.252	0.0719	0.0615	0.0009	7.35E-09
239	0.01	0.000	0.100	0.0675	0.0592	0.0008	7.17E-09
240	0.00	0.000	0.087	0.0639	0.0569	0.0008	7.15E-09
241	0.00	0.000	0.194	0.0558	0.0548	0.0008	7.14E-09
242	0.00	0.000	0.134	0.0494	0.0527	0.0007	7.13E-09
243	0.11	0.000	0.080	0.0504	0.0508	0.0007	7.12E-09
244	0.00	0.000	0.015	0.0498	0.0489	0.0007	7.10E-09
245	0.00	0.000	0.026	0.0487	0.0470	0.0007	7.09E-09
246	0.00	0.000	0.018	0.0480	0.0453	0.0006	7.08E-09
247	0.00	0.000	0.017	0.0472	0.0436	0.0006	7.07E-09
248	0.00	0.000	0.004	0.0470	0.0419	0.0006	7.06E-09

249		0.00	0.000	0.000	0.0470	0.0404	0.0006	7.05E-09
250		0.01	0.000	0.006	0.0470	0.0388	0.0006	7.04E-09
251		0.02	0.000	0.020	0.0470	0.0374	0.0005	7.03E-09
252		0.00	0.000	0.001	0.0470	0.0360	0.0005	7.02E-09
253		0.00	0.000	0.000	0.0470	0.0346	0.0005	7.01E-09
254	*	0.00	0.000	0.000	0.0470	0.0333	0.0005	7.01E-09
255		0.03	0.000	0.023	0.0472	0.0321	0.0005	7.00E-09
256		0.06	0.000	0.029	0.0485	0.0309	0.0004	6.99E-09
257		0.00	0.000	0.005	0.0483	0.0297	0.0004	6.98E-09
258		0.00	0.000	0.009	0.0479	0.0286	0.0004	6.98E-09
259		0.13	0.000	0.036	0.0517	0.0275	0.0004	6.97E-09
260		0.38	0.000	0.048	0.0657	0.0265	0.0004	6.96E-09
261		0.02	0.000	0.043	0.0646	0.0255	0.0004	6.96E-09
262		0.00	0.000	0.022	0.0637	0.0245	0.0003	6.95E-09
263		0.00	0.000	0.022	0.0627	0.0236	0.0003	6.95E-09
264		0.00	0.000	0.025	0.0617	0.0227	0.0003	6.94E-09
265		0.00	0.000	0.020	0.0609	0.0219	0.0003	6.94E-09
266		0.00	0.000	0.017	0.0602	0.0211	0.0003	6.93E-09
267		0.00	0.000	0.015	0.0595	0.0203	0.0003	6.93E-09
268		0.00	0.000	0.016	0.0590	0.0195	0.0003	6.92E-09
269		0.02	0.000	0.027	0.0588	0.0188	0.0003	6.92E-09
270		0.03	0.000	0.030	0.0587	0.0181	0.0003	6.91E-09
271		0.27	0.000	0.040	0.0685	0.0174	0.0002	6.91E-09
272		0.42	0.000	0.040	0.0844	0.0167	0.0002	6.90E-09
273		0.01	0.000	0.041	0.0829	0.0161	0.0002	6.90E-09
274		0.00	0.000	0.051	0.0808	0.0155	0.0002	6.90E-09
275		0.00	0.000	0.046	0.0789	0.0149	0.0002	6.89E-09
276		0.00	0.000	0.051	0.0768	0.0144	0.0002	6.89E-09
277		0.27	0.000	0.060	0.0856	0.0138	0.0002	6.89E-09
278		0.19	0.000	0.064	0.0910	0.0133	0.0002	6.88E-09
279		0.00	0.000	0.054	0.0885	0.0128	0.0002	6.88E-09
280		0.00	0.000	0.052	0.0863	0.0123	0.0002	6.88E-09

281	0.48	0.000	0.111	0.1017	0.0119	0.0002	6.87E-09
282	0.00	0.000	0.094	0.0974	0.0114	0.0002	6.87E-09
283	0.00	0.000	0.049	0.0953	0.0110	0.0002	6.87E-09
284	0.15	0.000	0.061	0.0991	0.0106	0.0001	6.87E-09
285	0.00	0.000	0.040	0.0973	0.0102	0.0001	6.86E-09
286	0.67	0.000	0.047	0.1233	0.0098	0.0001	6.86E-09
287	0.00	0.000	0.039	0.1215	0.0094	0.0001	6.86E-09
288	0.00	0.000	0.045	0.1196	0.0091	0.0001	6.86E-09
289	0.00	0.000	0.049	0.1175	0.0087	0.0001	6.86E-09
290	0.44	0.000	0.051	0.1336	0.0084	0.0001	6.85E-09
291	0.29	0.000	0.068	0.1424	0.0081	0.0001	6.85E-09
292	0.00	0.000	0.057	0.1398	0.0078	0.0001	6.85E-09
293	0.02	0.000	0.222	0.1315	0.0075	0.0001	6.85E-09
294	0.02	0.000	0.269	0.1211	0.0072	0.0001	6.85E-09
295	0.09	0.000	0.076	0.1216	0.0069	0.0001	6.84E-09
296	0.10	0.000	0.057	0.1236	0.0067	0.0001	6.84E-09
297	0.07	0.000	0.091	0.1226	0.0064	0.0001	6.84E-09
298	0.02	0.000	0.065	0.1206	0.0064	0.0001	6.84E-09
299	0.00	0.000	0.024	0.1196	0.0068	0.0001	6.84E-09
300	0.00	0.000	0.041	0.1178	0.0076	0.0001	6.85E-09
301	0.00	0.000	0.125	0.1125	0.0083	0.0001	6.85E-09
302	0.00	0.000	0.070	0.1091	0.0093	0.0001	6.86E-09
303	0.00	0.000	0.077	0.1053	0.0089	0.0001	6.86E-09
304	0.00	0.000	0.061	0.1023	0.0094	0.0001	6.86E-09
305	0.00	0.000	0.034	0.1007	0.0105	0.0001	6.87E-09
306	0.00	0.000	0.063	0.0976	0.0118	0.0002	6.87E-09
307	0.00	0.000	0.048	0.0952	0.0118	0.0002	6.87E-09
308	0.00	0.000	0.040	0.0932	0.0114	0.0002	6.87E-09
309	0.19	0.000	0.041	0.0995	0.0140	0.0002	6.89E-09
310	0.00	0.000	0.027	0.0981	0.0181	0.0003	6.91E-09
311	0.00	0.000	0.021	0.0971	0.0214	0.0003	6.93E-09
312	0.00	0.000	0.024	0.0961	0.0288	0.0004	6.98E-09

313		0.00	0.000	0.016	0.0954	0.0418	0.0006	7.06E-09
314	*	0.00	0.000	0.012	0.0949	0.0540	0.0008	7.14E-09
315	*	0.00	0.000	0.000	0.0948	0.0655	0.0009	7.83E-09
316	*	0.00	0.000	0.000	0.0948	0.0767	0.0011	9.18E-09
317	*	0.00	0.000	0.000	0.0948	0.0876	0.0012	1.05E-08
318	*	0.00	0.000	0.000	0.0948	0.0984	0.0014	1.18E-08
319	*	0.00	0.000	0.000	0.0947	0.1090	0.0015	1.31E-08
320	*	0.00	0.000	0.000	0.0947	0.1194	0.0017	1.43E-08
321	*	0.00	0.000	0.000	0.0947	0.1297	0.0018	1.55E-08
322		0.00	0.000	0.023	0.0936	0.1373	0.0019	1.65E-08
323		0.00	0.000	0.022	0.0925	0.1405	0.0020	1.68E-08
324		0.00	0.000	0.021	0.0915	0.1449	0.0021	1.74E-08
325		0.04	0.000	0.038	0.0913	0.1500	0.0021	1.80E-08
326		0.20	0.000	0.041	0.0978	0.1544	0.0022	1.85E-08
327		0.00	0.000	0.019	0.0969	0.1603	0.0023	1.92E-08
328		0.00	0.000	0.013	0.0962	0.1687	0.0024	2.02E-08
329		0.00	0.000	0.014	0.0956	0.1789	0.0025	2.15E-08
330		0.00	0.000	0.017	0.0948	0.1919	0.0027	2.30E-08
331		0.00	0.000	0.017	0.0940	0.2035	0.0029	2.44E-08
332		0.00	0.000	0.017	0.0932	0.2130	0.0030	2.56E-08
333		0.00	0.000	0.016	0.0924	0.2215	0.0031	2.66E-08
334		0.29	0.000	0.033	0.1031	0.2309	0.0033	2.77E-08
335	*	0.00	0.000	0.010	0.1027	0.2421	0.0034	2.91E-08
336	*	0.00	0.000	0.000	0.1026	0.2539	0.0036	3.05E-08
337	*	0.00	0.000	0.011	0.1021	0.2665	0.0038	3.20E-08
338		0.00	0.000	0.013	0.1015	0.2744	0.0039	3.30E-08
339	*	0.00	0.000	0.010	0.1010	0.2832	0.0040	3.40E-08
340	*	0.00	0.000	0.000	0.1009	0.2940	0.0042	3.54E-08
341	*	0.00	0.000	0.000	0.1009	0.3076	0.0044	3.70E-08
342		0.00	0.000	0.013	0.1003	0.3181	0.0045	3.83E-08
343		0.00	0.000	0.014	0.0996	0.3244	0.0046	3.90E-08
344		0.00	0.000	0.014	0.0989	0.3309	0.0047	3.98E-08

345			0.00	0.000	0.014	0.0982	0.3377	0.0048	4.07E-08
346			0.00	0.000	0.013	0.0975	0.3449	0.0049	4.15E-08
347			0.00	0.000	0.013	0.0969	0.3529	0.0050	4.25E-08
348			0.00	0.000	0.013	0.0962	0.3607	0.0051	4.35E-08
349			0.02	0.000	0.026	0.0959	0.3682	0.0052	4.44E-08
350			0.04	0.000	0.031	0.0963	0.3771	0.0053	4.54E-08
351	*		0.08	0.000	0.026	0.0971	0.3878	0.0055	4.67E-08
352			0.00	0.000	0.033	0.0971	0.4012	0.0057	4.84E-08
353	*		0.00	0.000	0.000	0.0971	0.4137	0.0059	4.99E-08
354	*		0.00	0.000	0.000	0.0971	0.4253	0.0060	5.13E-08
355	*		0.00	0.000	0.000	0.0971	0.4361	0.0062	5.26E-08
356	*		0.00	0.000	0.000	0.0971	0.4462	0.0063	5.39E-08
357	*		0.00	0.000	0.000	0.0971	0.4556	0.0065	5.50E-08
358	*		0.04	0.000	0.013	0.0979	0.4643	0.0066	5.61E-08
359			0.00	0.000	0.028	0.0974	0.4724	0.0067	5.70E-08
360	*		0.35	0.000	0.014	0.0982	0.4799	0.0068	5.80E-08
361	*	*	0.24	0.000	0.012	0.0982	0.4870	0.0069	5.88E-08
362	*	*	0.41	0.000	0.015	0.0982	0.4937	0.0070	5.96E-08
363	*	*	0.08	0.000	0.013	0.0982	0.4999	0.0071	6.04E-08
364	*	*	0.10	0.000	0.005	0.0982	0.5057	0.0072	6.11E-08
365	*	*	0.00	0.000	0.010	0.0982	0.5112	0.0072	6.18E-08

* = Frozen (air or soil)

Annual Totals for Year 9			
	inches	cubic feet	percent
Precipitation	23.32	711,894.8	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	21.016	641,589.0	90.12
Drainage Collected from Layer 2	0.7147	21,817.9	3.06
Percolation/Leakage through Layer 4	0.000006	0.1968	0.00

Average Head on Top of Layer 3	0.1382	---	---
Change in Water Storage	1.5883	48,487.7	6.81
Soil Water at Start of Year	56.6247	1,728,656.7	242.82
Soil Water at End of Year	57.1174	1,743,697.6	244.94
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	1.0956	33,446.8	4.70
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 10

Column key: Head #1: drainage from Layer 3
Drain #1: drainage from Layer 2
Leak #1: leakage thru Layer 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:07

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.010	0.0982	0.5163	0.0073	6.24E-08
2		*	0.04	0.000	0.000	0.0982	0.5210	0.0074	6.30E-08
3	*	*	0.00	0.000	0.020	0.0982	0.5255	0.0074	6.35E-08
4	*	*	0.00	0.000	0.022	0.0982	0.5297	0.0075	6.40E-08
5	*	*	0.03	0.000	0.018	0.0982	0.5336	0.0076	6.45E-08
6	*	*	0.03	0.000	0.015	0.0982	0.5373	0.0076	6.50E-08
7		*	0.00	0.000	0.000	0.1105	0.5408	0.0077	6.54E-08
8		*	0.00	0.000	0.000	0.1201	0.5440	0.0077	6.58E-08
9	*	*	0.00	0.000	0.013	0.1201	0.5471	0.0078	6.62E-08
10	*	*	0.00	0.000	0.005	0.1201	0.5500	0.0078	6.65E-08
11	*	*	0.00	0.000	0.006	0.1201	0.5528	0.0078	6.69E-08
12	*	*	0.00	0.000	0.006	0.1201	0.5554	0.0079	6.72E-08
13	*	*	0.00	0.000	0.000	0.1201	0.5579	0.0079	6.75E-08
14		*	0.00	0.000	0.000	0.1432	0.5602	0.0079	6.78E-08
15		*	0.00	0.000	0.000	0.1432	0.5625	0.0080	6.81E-08
16		*	0.00	0.000	0.000	0.1432	0.5646	0.0080	6.83E-08
17		*	0.00	0.000	0.000	0.1432	0.5666	0.0080	6.86E-08
18	*	*	0.00	0.000	0.000	0.1432	0.5686	0.0081	6.88E-08
19		*	0.00	0.000	0.000	0.1432	0.5705	0.0081	6.90E-08
20		*	0.01	0.000	0.009	0.1433	0.5723	0.0081	6.93E-08
21		*	0.03	0.000	0.017	0.1441	0.5741	0.0081	6.95E-08
22		*	0.01	0.000	0.010	0.1442	0.5758	0.0082	6.97E-08
23	*	*	0.03	0.000	0.013	0.1442	0.5774	0.0082	6.99E-08
24	*	*	0.00	0.000	0.018	0.1442	0.5790	0.0082	7.01E-08

25	*	*	0.00	0.000	0.000	0.1442	0.5806	0.0082	7.03E-08
26	*	*	0.00	0.000	0.000	0.1442	0.5821	0.0082	7.05E-08
27	*	*	0.00	0.000	0.000	0.1442	0.5836	0.0083	7.06E-08
28	*	*	0.00	0.000	0.000	0.1442	0.5850	0.0083	7.08E-08
29		*	0.00	0.000	0.001	0.1442	0.5864	0.0083	7.10E-08
30		*	0.00	0.000	0.000	0.1442	0.5878	0.0083	7.12E-08
31		*	0.00	0.000	0.000	0.1442	0.5892	0.0083	7.13E-08
32	*	*	0.00	0.000	0.000	0.1442	0.5906	0.0084	7.15E-08
33	*	*	0.00	0.000	0.000	0.1442	0.5919	0.0084	7.17E-08
34	*	*	0.00	0.000	0.000	0.1442	0.5932	0.0084	7.18E-08
35	*	*	0.00	0.000	0.000	0.1442	0.5946	0.0084	7.20E-08
36	*	*	0.00	0.000	0.000	0.1442	0.5959	0.0084	7.22E-08
37	*	*	0.00	0.000	0.000	0.1442	0.5971	0.0085	7.23E-08
38	*	*	0.05	0.000	0.018	0.1442	0.5984	0.0085	7.25E-08
39	*	*	0.00	0.000	0.010	0.1442	0.5997	0.0085	7.26E-08
40	*	*	0.00	0.000	0.003	0.1442	0.6010	0.0085	7.28E-08
41	*	*	0.00	0.000	0.016	0.1442	0.6022	0.0085	7.29E-08
42	*	*	0.25	0.000	0.015	0.1442	0.6035	0.0085	7.31E-08
43	*	*	0.00	0.000	0.018	0.1442	0.6047	0.0086	7.32E-08
44	*	*	0.00	0.000	0.016	0.1442	0.6059	0.0086	7.34E-08
45	*	*	0.00	0.000	0.017	0.1442	0.6072	0.0086	7.35E-08
46	*	*	0.00	0.000	0.021	0.1442	0.6084	0.0086	7.37E-08
47	*	*	0.00	0.000	0.024	0.1442	0.6096	0.0086	7.38E-08
48	*	*	0.00	0.000	0.021	0.1442	0.6108	0.0087	7.40E-08
49		*	0.05	0.000	0.030	0.1500	0.6120	0.0087	7.41E-08
50	*	*	0.00	0.000	0.003	0.1500	0.6132	0.0087	7.43E-08
51	*	*	0.00	0.000	0.000	0.1500	0.6144	0.0087	7.44E-08
52	*	*	0.00	0.000	0.000	0.1500	0.6156	0.0087	7.46E-08
53	*	*	0.00	0.000	0.002	0.1500	0.6168	0.0087	7.47E-08
54	*	*	0.29	0.000	0.013	0.1500	0.6180	0.0088	7.49E-08
55	*	*	0.00	0.000	0.005	0.1500	0.6192	0.0088	7.50E-08
56	*	*	0.00	0.000	0.022	0.1500	0.6203	0.0088	7.52E-08

57		*	0.00	0.000	0.031	0.1592	0.6215	0.0088	7.53E-08
58		*	0.00	0.000	0.000	0.1592	0.6226	0.0088	7.54E-08
59		*	0.00	0.000	0.000	0.1592	0.6238	0.0088	7.56E-08
60		*	0.00	0.000	0.000	0.1592	0.6249	0.0089	7.57E-08
61		*	0.00	0.000	0.000	0.1592	0.6261	0.0089	7.59E-08
62		*	0.08	0.000	0.020	0.1618	0.6272	0.0089	7.60E-08
63		*	0.08	0.000	0.020	0.1643	0.6283	0.0089	7.61E-08
64	*	*	0.20	0.000	0.025	0.1643	0.6294	0.0089	7.63E-08
65	*	*	0.01	0.000	0.039	0.1643	0.6305	0.0089	7.64E-08
66	*	*	1.04	0.000	0.006	0.1643	0.6316	0.0089	7.65E-08
67	*	*	0.00	0.000	0.000	0.1643	0.6327	0.0090	7.67E-08
68	*	*	0.00	0.000	0.009	0.1643	0.6338	0.0090	7.68E-08
69		*	0.00	0.000	0.000	0.1829	0.6349	0.0090	7.69E-08
70	*	*	0.00	0.000	0.022	0.1829	0.6359	0.0090	7.71E-08
71	*	*	0.00	0.000	0.019	0.1829	0.6370	0.0090	7.72E-08
72		*	0.00	0.000	0.000	0.2114	0.6380	0.0090	7.73E-08
73	*	*	0.00	0.000	0.000	0.2114	0.6390	0.0091	7.74E-08
74	*	*	0.00	0.000	0.000	0.2114	0.6400	0.0091	7.76E-08
75	*	*	0.07	0.000	0.053	0.2114	0.6410	0.0091	7.77E-08
76	*	*	0.38	0.000	0.000	0.2114	0.6420	0.0091	7.78E-08
77	*	*	0.00	0.000	0.025	0.2114	0.6430	0.0091	7.79E-08
78	*	*	0.00	0.000	0.009	0.2114	0.6439	0.0091	7.81E-08
79	*	*	0.00	0.000	0.017	0.2114	0.6449	0.0091	7.82E-08
80		*	0.00	0.000	0.086	0.2222	0.6458	0.0091	7.83E-08
81		*	0.00	0.000	0.000	0.2222	0.6468	0.0092	7.84E-08
82	*	*	0.00	0.000	0.000	0.2222	0.6477	0.0092	7.85E-08
83		*	0.00	0.000	0.000	0.2222	0.6486	0.0092	7.86E-08
84		*	0.02	0.000	0.012	0.2224	0.6494	0.0092	7.87E-08
85	*	*	0.15	0.000	0.041	0.2224	0.6503	0.0092	7.88E-08
86		*	0.01	0.000	0.112	0.2229	0.6512	0.0092	7.89E-08
87	*	*	0.23	0.000	0.018	0.2229	0.6520	0.0092	7.90E-08
88	*	*	0.00	0.000	0.006	0.2229	0.6528	0.0092	7.91E-08

89	*	*	0.00	0.000	0.002	0.2229	0.6536	0.0093	7.92E-08
90	*	*	0.69	0.000	0.000	0.2229	0.6544	0.0093	7.93E-08
91	*	*	0.00	0.000	0.011	0.2229	0.6552	0.0093	7.94E-08
92	*	*	0.00	0.000	0.019	0.2229	0.6560	0.0093	7.95E-08
93	*	*	0.00	0.000	0.017	0.2229	0.6567	0.0093	7.96E-08
94	*	*	0.00	0.000	0.032	0.2229	0.6575	0.0093	7.97E-08
95		*	0.00	0.000	0.000	0.2446	0.6582	0.0093	7.98E-08
96		*	0.67	0.000	0.000	0.2848	0.6589	0.0093	7.99E-08
97		*	0.00	0.000	0.002	0.2848	0.6596	0.0093	8.00E-08
98		*	0.25	0.000	0.021	0.2943	0.6602	0.0094	8.01E-08
99		*	0.00	0.000	0.000	0.2943	0.6609	0.0094	8.01E-08
100		*	0.00	0.000	0.000	0.2943	0.6615	0.0094	8.02E-08
101	*	*	0.00	0.000	0.001	0.2943	0.6622	0.0094	8.03E-08
102		*	0.00	0.000	0.000	0.2943	0.6628	0.0094	8.04E-08
103		*	0.00	0.000	0.000	0.2943	0.6634	0.0094	8.04E-08
104		*	0.00	0.000	0.000	0.2943	0.6640	0.0094	8.05E-08
105	*	*	0.00	0.000	0.000	0.2943	0.6645	0.0094	8.06E-08
106	*	*	0.16	0.000	0.018	0.2943	0.6651	0.0094	8.07E-08
107	*	*	0.00	0.000	0.083	0.2943	0.6656	0.0094	8.07E-08
108	*	*	0.00	0.000	0.036	0.2943	0.6661	0.0094	8.08E-08
109	*	*	0.09	0.000	0.025	0.2943	0.6666	0.0094	8.08E-08
110	*	*	0.00	0.000	0.009	0.2943	0.6671	0.0095	8.09E-08
111	*	*	0.00	0.000	0.061	0.2943	0.6676	0.0095	8.10E-08
112	*	*	0.00	0.000	0.024	0.2943	0.6681	0.0095	8.10E-08
113		*	0.00	0.000	0.000	0.2943	0.6685	0.0095	8.11E-08
114		*	0.00	0.000	0.000	0.2943	0.6689	0.0095	8.11E-08
115	*	*	0.07	0.000	0.064	0.2943	0.6694	0.0095	8.12E-08
116		*	0.33	0.000	0.074	0.3053	0.6698	0.0095	8.12E-08
117		*	0.10	0.000	0.021	0.3088	0.6701	0.0095	8.13E-08
118		*	0.06	0.000	0.020	0.3104	0.6705	0.0095	8.13E-08
119		*	0.36	0.000	0.021	0.3244	0.6709	0.0095	8.14E-08
120		*	0.00	0.000	0.000	0.3244	0.6712	0.0095	8.14E-08

121		*	0.00	0.000	0.000	0.3244	0.6715	0.0095	8.14E-08
122		*	0.00	0.000	0.000	0.3244	0.6718	0.0095	8.15E-08
123		*	0.00	0.000	0.000	0.3244	0.6721	0.0095	8.15E-08
124	*	*	0.03	0.000	0.026	0.3244	0.6724	0.0095	8.16E-08
125		*	0.00	0.000	0.000	0.3244	0.6727	0.0095	8.16E-08
126		*	0.00	0.000	0.000	0.3244	0.6730	0.0095	8.16E-08
127		*	0.44	0.000	0.021	0.3420	0.6732	0.0095	8.17E-08
128		*	0.00	0.000	0.000	0.3420	0.6734	0.0095	8.17E-08
129		*	0.00	0.000	0.000	0.3420	0.6737	0.0095	8.17E-08
130		*	0.00	0.000	0.000	0.3420	0.6739	0.0095	8.17E-08
131	*	*	0.00	0.000	0.000	0.3420	0.6741	0.0095	8.18E-08
132	*	*	0.00	0.000	0.000	0.3420	0.6742	0.0096	8.18E-08
133	*	*	0.00	0.000	0.000	0.3420	0.6744	0.0096	8.18E-08
134		*	0.00	0.000	0.000	0.3420	0.6746	0.0096	8.18E-08
135		*	0.61	0.000	0.021	0.3666	0.6747	0.0096	8.18E-08
136		*	0.00	0.000	0.000	0.3666	0.6748	0.0096	8.19E-08
137			0.00	0.000	0.084	0.3631	0.6749	0.0096	8.19E-08
138			0.00	0.000	0.148	0.3570	0.6751	0.0096	8.19E-08
139			0.00	0.000	0.143	0.3391	0.6744	0.0096	8.18E-08
140			0.54	0.000	0.123	0.3426	0.6713	0.0095	8.14E-08
141			0.06	0.000	0.093	0.3305	0.6683	0.0095	8.10E-08
142			0.01	0.000	0.102	0.3197	0.6658	0.0094	8.07E-08
143			0.00	0.000	0.129	0.3079	0.6637	0.0094	8.05E-08
144			0.02	0.000	0.185	0.2948	0.6619	0.0094	8.03E-08
145			0.32	0.000	0.215	0.2941	0.6605	0.0094	8.01E-08
146			0.11	0.000	0.092	0.2913	0.6594	0.0093	8.00E-08
147			0.20	0.000	0.077	0.2930	0.6589	0.0093	7.99E-08
148			0.12	0.000	0.067	0.2924	0.6727	0.0095	8.16E-08
149			0.28	0.000	0.097	0.2976	0.6951	0.0098	8.44E-08
150			0.49	0.000	0.239	0.3061	0.7164	0.0101	8.70E-08
151			0.01	0.000	0.210	0.2957	0.7356	0.0104	8.93E-08
152			0.00	0.000	0.225	0.2851	0.7522	0.0107	9.14E-08

153	0.00	0.000	0.274	0.2728	0.7666	0.0109	9.32E-08
154	0.00	0.000	0.209	0.2631	0.7787	0.0110	9.47E-08
155	0.00	0.000	0.118	0.2560	0.7890	0.0112	9.59E-08
156	0.00	0.000	0.200	0.2453	0.7974	0.0113	9.70E-08
157	0.08	0.000	0.206	0.2381	0.8042	0.0114	9.78E-08
158	0.03	0.000	0.094	0.2334	0.8096	0.0115	9.85E-08
159	0.02	0.000	0.076	0.2295	0.8136	0.0115	9.90E-08
160	0.00	0.000	0.054	0.2262	0.8164	0.0116	9.93E-08
161	0.17	0.000	0.068	0.2300	0.8180	0.0116	9.95E-08
162	0.03	0.000	0.062	0.2285	0.8186	0.0116	9.96E-08
163	0.00	0.000	0.042	0.2265	0.8183	0.0116	9.96E-08
164	1.03	0.000	0.062	0.2662	0.8171	0.0116	9.94E-08
165	0.36	0.000	0.124	0.2753	0.8152	0.0115	9.92E-08
166	0.00	0.000	0.102	0.2701	0.8126	0.0115	9.88E-08
167	0.00	0.000	0.290	0.2570	0.8093	0.0115	9.84E-08
168	0.00	0.000	0.254	0.2457	0.8054	0.0114	9.80E-08
169	0.00	0.000	0.190	0.2371	0.8010	0.0113	9.74E-08
170	0.00	0.000	0.301	0.2236	0.7961	0.0113	9.68E-08
171	0.00	0.000	0.201	0.2149	0.7908	0.0112	9.62E-08
172	0.00	0.000	0.085	0.2104	0.7851	0.0111	9.54E-08
173	0.00	0.000	0.067	0.2065	0.7791	0.0110	9.47E-08
174	0.00	0.000	0.066	0.2025	0.7727	0.0109	9.39E-08
175	0.07	0.000	0.069	0.2014	0.7661	0.0109	9.31E-08
176	0.09	0.000	0.073	0.2007	0.7589	0.0108	9.22E-08
177	0.68	0.000	0.063	0.2252	0.7515	0.0106	9.13E-08
178	0.19	0.000	0.129	0.2266	0.7443	0.0105	9.04E-08
179	0.35	0.000	0.124	0.2351	0.7369	0.0104	8.95E-08
180	0.48	0.000	0.291	0.2418	0.7294	0.0103	8.86E-08
181	0.00	0.000	0.171	0.2340	0.7218	0.0102	8.76E-08
182	0.28	0.000	0.120	0.2402	0.7140	0.0101	8.67E-08
183	0.00	0.000	0.100	0.2360	0.7062	0.0100	8.57E-08
184	0.08	0.000	0.275	0.2279	0.6983	0.0099	8.47E-08

185	0.00	0.000	0.188	0.2197	0.6903	0.0098	8.38E-08
186	0.00	0.000	0.254	0.2087	0.6823	0.0097	8.28E-08
187	0.00	0.000	0.216	0.1993	0.6743	0.0096	8.18E-08
188	0.00	0.000	0.112	0.1941	0.6662	0.0094	8.08E-08
189	0.00	0.000	0.099	0.1895	0.6582	0.0093	7.98E-08
190	1.39	0.000	0.118	0.2417	0.6501	0.0092	7.88E-08
191	0.02	0.000	0.350	0.2274	0.6421	0.0091	7.78E-08
192	0.00	0.000	0.325	0.2136	0.6319	0.0090	7.66E-08
193	0.00	0.000	0.320	0.1992	0.6195	0.0088	7.50E-08
194	0.00	0.000	0.319	0.1850	0.5989	0.0085	7.25E-08
195	0.00	0.000	0.236	0.1746	0.5879	0.0083	7.12E-08
196	0.00	0.000	0.152	0.1677	0.5818	0.0082	7.04E-08
197	0.09	0.000	0.144	0.1651	0.5756	0.0082	6.97E-08
198	0.00	0.000	0.121	0.1597	0.5693	0.0081	6.89E-08
199	0.00	0.000	0.143	0.1533	0.5631	0.0080	6.81E-08
200	0.00	0.000	0.120	0.1479	0.5568	0.0079	6.74E-08
201	0.29	0.000	0.094	0.1557	0.5506	0.0078	6.66E-08
202	0.00	0.000	0.113	0.1506	0.5443	0.0077	6.58E-08
203	0.28	0.000	0.086	0.1583	0.5381	0.0076	6.51E-08
204	0.09	0.000	0.095	0.1578	0.5319	0.0075	6.43E-08
205	0.00	0.000	0.132	0.1522	0.5257	0.0074	6.36E-08
206	0.10	0.000	0.085	0.1528	0.5196	0.0074	6.28E-08
207	0.00	0.000	0.099	0.1485	0.5135	0.0073	6.21E-08
208	0.00	0.000	0.125	0.1431	0.5074	0.0072	6.13E-08
209	0.04	0.000	0.149	0.1381	0.5014	0.0071	6.06E-08
210	0.00	0.000	0.138	0.1320	0.4954	0.0070	5.99E-08
211	0.37	0.000	0.093	0.1434	0.4894	0.0069	5.91E-08
212	0.15	0.000	0.128	0.1439	0.4835	0.0069	5.84E-08
213	0.00	0.000	0.125	0.1385	0.4777	0.0068	5.77E-08
214	0.00	0.000	0.243	0.1281	0.4683	0.0066	5.65E-08
215	0.00	0.000	0.283	0.1163	0.4592	0.0065	5.54E-08
216	0.00	0.000	0.256	0.1056	0.4540	0.0064	5.48E-08

217	0.51	0.000	0.234	0.1171	0.4488	0.0064	5.42E-08
218	0.00	0.000	0.253	0.1066	0.4437	0.0063	5.35E-08
219	0.00	0.000	0.213	0.0977	0.4386	0.0062	5.29E-08
220	0.00	0.000	0.136	0.0920	0.4335	0.0061	5.23E-08
221	0.00	0.000	0.166	0.0851	0.4285	0.0061	5.17E-08
222	0.00	0.000	0.132	0.0796	0.4235	0.0060	5.11E-08
223	0.00	0.000	0.117	0.0747	0.4175	0.0059	5.04E-08
224	0.02	0.000	0.082	0.0717	0.4099	0.0058	4.94E-08
225	0.09	0.000	0.200	0.0670	0.3992	0.0057	4.81E-08
226	0.00	0.000	0.102	0.0628	0.3920	0.0056	4.73E-08
227	0.00	0.000	0.099	0.0586	0.3838	0.0054	4.63E-08
228	0.00	0.000	0.133	0.0494	0.3738	0.0053	4.50E-08
229	0.00	0.000	0.044	0.0470	0.3629	0.0051	4.37E-08
230	0.33	0.000	0.039	0.0592	0.3590	0.0051	4.32E-08
231	0.22	0.000	0.082	0.0651	0.3565	0.0051	4.29E-08
232	0.00	0.000	0.052	0.0629	0.3535	0.0050	4.26E-08
233	0.00	0.000	0.050	0.0609	0.3490	0.0049	4.20E-08
234	0.00	0.000	0.079	0.0576	0.3432	0.0049	4.13E-08
235	0.00	0.000	0.080	0.0542	0.3364	0.0048	4.05E-08
236	0.00	0.000	0.089	0.0505	0.3286	0.0047	3.96E-08
237	0.00	0.000	0.040	0.0488	0.3198	0.0045	3.85E-08
238	0.00	0.000	0.029	0.0476	0.3104	0.0044	3.73E-08
239	0.00	0.000	0.008	0.0470	0.3001	0.0043	3.61E-08
240	0.00	0.000	0.000	0.0470	0.2907	0.0041	3.50E-08
241	0.02	0.000	0.020	0.0471	0.2813	0.0040	3.38E-08
242	0.04	0.000	0.026	0.0477	0.2715	0.0038	3.26E-08
243	0.06	0.000	0.027	0.0492	0.2615	0.0037	3.14E-08
244	0.95	0.000	0.049	0.0870	0.2516	0.0036	3.02E-08
245	0.00	0.000	0.052	0.0848	0.2422	0.0034	2.91E-08
246	0.00	0.000	0.117	0.0799	0.2331	0.0033	2.80E-08
247	0.00	0.000	0.078	0.0767	0.2243	0.0032	2.69E-08
248	0.00	0.000	0.054	0.0744	0.2159	0.0031	2.59E-08

249		0.00	0.000	0.051	0.0723	0.2078	0.0029	2.49E-08
250		0.00	0.000	0.093	0.0684	0.2000	0.0028	2.40E-08
251		0.00	0.000	0.086	0.0648	0.1925	0.0027	2.31E-08
252		0.02	0.000	0.068	0.0627	0.1853	0.0026	2.22E-08
253		0.01	0.000	0.076	0.0598	0.1783	0.0025	2.14E-08
254		0.27	0.000	0.088	0.0674	0.1716	0.0024	2.06E-08
255		0.00	0.000	0.129	0.0619	0.1652	0.0023	1.98E-08
256		0.00	0.000	0.039	0.0602	0.1590	0.0023	1.91E-08
257		0.46	0.000	0.063	0.0767	0.1530	0.0022	1.83E-08
258		0.00	0.000	0.025	0.0756	0.1473	0.0021	1.77E-08
259		0.00	0.000	0.040	0.0738	0.1417	0.0020	1.70E-08
260		0.00	0.000	0.068	0.0706	0.1364	0.0019	1.63E-08
261		0.07	0.000	0.089	0.0697	0.1313	0.0019	1.57E-08
262		0.00	0.000	0.035	0.0683	0.1264	0.0018	1.51E-08
263		0.00	0.000	0.059	0.0656	0.1216	0.0017	1.46E-08
264		0.00	0.000	0.051	0.0635	0.1171	0.0017	1.40E-08
265		0.00	0.000	0.041	0.0618	0.1127	0.0016	1.35E-08
266	*	0.28	0.000	0.022	0.0626	0.1084	0.0015	1.30E-08
267	*	0.00	0.000	0.014	0.0634	0.1044	0.0015	1.25E-08
268	*	0.00	0.000	0.063	0.0642	0.1004	0.0014	1.20E-08
269		0.00	0.000	0.062	0.0670	0.0967	0.0014	1.16E-08
270		0.03	0.000	0.048	0.0663	0.0930	0.0013	1.11E-08
271		0.00	0.000	0.034	0.0647	0.0895	0.0013	1.07E-08
272		0.64	0.000	0.040	0.0897	0.0862	0.0012	1.03E-08
273	*	0.10	0.000	0.028	0.0905	0.0830	0.0012	9.92E-09
274	*	0.08	0.000	0.030	0.0914	0.0798	0.0011	9.55E-09
275	*	0.00	0.000	0.040	0.0922	0.0770	0.0011	9.21E-09
276		0.01	0.000	0.047	0.0912	0.0746	0.0011	8.92E-09
277		0.52	0.000	0.058	0.1105	0.0725	0.0010	8.68E-09
278		0.00	0.000	0.054	0.1081	0.0709	0.0010	8.47E-09
279		0.00	0.000	0.069	0.1053	0.0696	0.0010	8.32E-09
280		0.00	0.000	0.045	0.1034	0.0691	0.0010	8.26E-09

281		0.00	0.000	0.101	0.0992	0.0690	0.0010	8.25E-09
282		0.00	0.000	0.156	0.0927	0.0693	0.0010	8.28E-09
283		0.00	0.000	0.089	0.0890	0.0699	0.0010	8.36E-09
284		0.00	0.000	0.076	0.0858	0.0710	0.0010	8.49E-09
285		0.00	0.000	0.069	0.0826	0.0708	0.0010	8.47E-09
286	*	0.02	0.000	0.045	0.0813	0.0704	0.0010	8.43E-09
287	*	0.00	0.000	0.000	0.0813	0.0740	0.0010	8.85E-09
288	*	0.00	0.000	0.000	0.0813	0.0779	0.0011	9.31E-09
289	*	0.11	0.000	0.030	0.0821	0.0819	0.0012	9.80E-09
290		0.01	0.000	0.091	0.0811	0.0863	0.0012	1.03E-08
291		0.35	0.000	0.062	0.0930	0.0909	0.0013	1.09E-08
292		0.00	0.000	0.072	0.0900	0.0957	0.0014	1.15E-08
293		0.00	0.000	0.120	0.0842	0.0953	0.0014	1.14E-08
294		0.01	0.000	0.034	0.0831	0.0918	0.0013	1.10E-08
295		0.03	0.000	0.038	0.0827	0.0898	0.0013	1.07E-08
296	*	0.00	0.000	0.000	0.0827	0.0939	0.0013	1.12E-08
297	*	0.00	0.000	0.000	0.0827	0.1046	0.0015	1.25E-08
298		0.00	0.000	0.027	0.0815	0.1130	0.0016	1.35E-08
299		0.00	0.000	0.040	0.0796	0.1141	0.0016	1.37E-08
300		0.00	0.000	0.031	0.0782	0.1162	0.0016	1.39E-08
301		0.00	0.000	0.026	0.0771	0.1280	0.0018	1.53E-08
302		0.00	0.000	0.024	0.0761	0.1409	0.0020	1.69E-08
303		0.00	0.000	0.018	0.0754	0.1535	0.0022	1.84E-08
304		0.00	0.000	0.021	0.0745	0.1657	0.0023	1.99E-08
305		0.32	0.000	0.032	0.0866	0.1777	0.0025	2.13E-08
306		0.00	0.000	0.021	0.0857	0.1893	0.0027	2.27E-08
307	*	0.00	0.000	0.000	0.0857	0.2007	0.0028	2.41E-08
308	*	0.00	0.000	0.000	0.0857	0.2118	0.0030	2.54E-08
309	*	0.00	0.000	0.014	0.0850	0.2210	0.0031	2.65E-08
310		0.00	0.000	0.019	0.0841	0.2255	0.0032	2.71E-08
311	*	0.00	0.000	0.010	0.0837	0.2355	0.0033	2.83E-08
312		0.01	0.000	0.021	0.0832	0.2471	0.0035	2.97E-08

313		0.05	0.000	0.036	0.0838	0.2583	0.0037	3.10E-08
314		0.13	0.000	0.037	0.0878	0.2693	0.0038	3.24E-08
315		0.00	0.000	0.018	0.0871	0.2800	0.0040	3.37E-08
316		0.00	0.000	0.018	0.0864	0.2905	0.0041	3.49E-08
317		0.00	0.000	0.017	0.0855	0.2982	0.0042	3.59E-08
318		0.12	0.000	0.038	0.0888	0.3027	0.0043	3.64E-08
319		0.28	0.000	0.036	0.0990	0.3129	0.0044	3.77E-08
320		0.14	0.000	0.061	0.1023	0.3230	0.0046	3.89E-08
321		0.00	0.000	0.044	0.1004	0.3258	0.0046	3.92E-08
322		0.00	0.000	0.033	0.0991	0.3355	0.0048	4.04E-08
323		0.00	0.000	0.022	0.0981	0.3470	0.0049	4.18E-08
324		0.00	0.000	0.051	0.0960	0.3582	0.0051	4.31E-08
325	*	0.00	0.000	0.010	0.0956	0.3689	0.0052	4.44E-08
326		0.00	0.000	0.020	0.0948	0.3793	0.0054	4.57E-08
327		0.00	0.000	0.012	0.0942	0.3894	0.0055	4.69E-08
328		0.00	0.000	0.022	0.0933	0.3991	0.0057	4.81E-08
329		0.00	0.000	0.013	0.0928	0.4086	0.0058	4.93E-08
330		0.00	0.000	0.028	0.0916	0.4178	0.0059	5.04E-08
331		0.00	0.000	0.024	0.0906	0.4267	0.0060	5.15E-08
332		0.19	0.000	0.041	0.0967	0.4345	0.0062	5.24E-08
333		0.00	0.000	0.014	0.0961	0.4428	0.0063	5.34E-08
334		0.00	0.000	0.021	0.0952	0.4506	0.0064	5.44E-08
335	*	0.16	0.000	0.017	0.0960	0.4552	0.0064	5.49E-08
336	*	0.05	0.000	0.005	0.0968	0.4637	0.0066	5.60E-08
337	*	0.00	0.000	0.010	0.0976	0.4720	0.0067	5.70E-08
338	*	0.00	0.000	0.017	0.0985	0.4800	0.0068	5.80E-08
339		0.00	0.000	0.041	0.1000	0.4877	0.0069	5.89E-08
340		0.00	0.000	0.017	0.0993	0.4950	0.0070	5.98E-08
341	*	0.00	0.000	0.013	0.0988	0.4979	0.0071	6.02E-08
342	*	0.09	0.000	0.021	0.0996	0.5029	0.0071	6.08E-08
343	*	0.00	0.000	0.014	0.1004	0.5109	0.0072	6.18E-08
344	*	0.00	0.000	0.005	0.1012	0.5187	0.0073	6.27E-08

345	*		0.01	0.000	0.006	0.1013	0.5262	0.0075	6.36E-08
346	*		0.09	0.000	0.002	0.1021	0.5334	0.0076	6.45E-08
347	*		0.15	0.000	0.003	0.1030	0.5404	0.0077	6.54E-08
348	*		0.00	0.000	0.015	0.1038	0.5472	0.0078	6.62E-08
349			0.00	0.000	0.017	0.1096	0.5537	0.0078	6.70E-08
350			0.04	0.000	0.043	0.1095	0.5584	0.0079	6.76E-08
351			0.00	0.000	0.017	0.1087	0.5574	0.0079	6.74E-08
352	*		0.00	0.000	0.000	0.1086	0.5605	0.0079	6.78E-08
353			0.00	0.000	0.014	0.1079	0.5657	0.0080	6.85E-08
354	*		0.00	0.000	0.000	0.1079	0.5704	0.0081	6.90E-08
355			0.00	0.000	0.016	0.1072	0.5757	0.0082	6.97E-08
356	*		0.00	0.000	0.000	0.1072	0.5816	0.0082	7.04E-08
357	*		0.00	0.000	0.000	0.1072	0.5895	0.0084	7.14E-08
358	*	*	0.00	0.000	0.000	0.1072	0.5971	0.0085	7.23E-08
359	*	*	0.42	0.000	0.017	0.1072	0.6042	0.0086	7.32E-08
360	*	*	0.00	0.000	0.021	0.1072	0.6110	0.0087	7.40E-08
361	*	*	0.00	0.000	0.008	0.1072	0.6175	0.0087	7.48E-08
362		*	0.00	0.000	0.000	0.1188	0.6236	0.0088	7.56E-08
363	*	*	0.00	0.000	0.011	0.1188	0.6294	0.0089	7.63E-08
364	*	*	0.00	0.000	0.004	0.1188	0.6350	0.0090	7.69E-08
365	*	*	0.00	0.000	0.002	0.1188	0.6402	0.0091	7.76E-08

* = Frozen (air or soil)

Annual Totals for Year 10			
	inches	cubic feet	percent
Precipitation	23.43	715,341.7	100.00
Runoff	0.000	0.0000	0.00
Evapotranspiration	20.792	634,745.5	88.73
Drainage Collected from Layer 2	2.5880	79,008.2	11.04
Percolation/Leakage through Layer 4	0.000022	0.6752	0.00

Average Head on Top of Layer 3	0.5005	---	---
Change in Water Storage	0.0520	1,587.4	0.22
Soil Water at Start of Year	57.1174	1,743,697.6	243.76
Soil Water at End of Year	58.1881	1,776,384.2	248.33
Snow Water at Start of Year	1.0956	33,446.8	4.68
Snow Water at End of Year	0.0769	2,347.6	0.33
Annual Water Budget Balance	0.0000	0.0000	0.00

Average Annual Totals Summary

Title: Cell 4 Base Liner Efficiency
Simulated on: 11/8/2022 15:07

	Average Annual Totals for Years 1 - 10*			
	(inches)	[std dev]	(cubic feet)	(percent)
Precipitation	26.91	[2.68]	821,654.1	100.00
Runoff	0.000	[0]	0.0000	0.00
Evapotranspiration	24.642	[3.309]	752,266.1	91.56
Subprofile1				
Lateral drainage collected from Layer 2	1.5051	[0.7193]	45,949.3	5.59
Percolation/leakage through Layer 4	0.000013	[0.000006]	0.4006	0.00
Average Head on Top of Layer 3	0.2909	[0.1391]	---	---
Water storage				
Change in water storage	0.7678	[2.3145]	23,438.3	2.85

* Note: Average inches are converted to volume based on the user-specified area.

Peak Values Summary

Title: Cell 4 Base Liner Efficiency
Simulated on: 11/8/2022 15:07

	Peak Values for Years 1 - 10*		
	(inches)		(cubic feet)
Precipitation	2.27		69,431.6
Runoff	0.000		0.0000
Subprofile1			
Drainage collected from Layer 2	0.0704		2,150.2
Percolation/leakage through Layer 4	0.000001		0.0197
Average head on Layer 3	4.9306		---
Maximum head on Layer 3	6.3634		---
Location of maximum head in Layer 2	28.78	(feet from drain)	
Other Parameters			
Snow water	1.3821		42,194.6
Maximum vegetation soil water	0.4642	(vol/vol)	
Minimum vegetation soil water	0.0470	(vol/vol)	

Final Water Storage in Landfill Profile at End of Simulation Period

Title: Cell 4 Base Liner Efficiency
Simulated on: 11/8/2022 15:07
Simulation period: 10 years

	Final Water Storage	
Layer	(inches)	(vol/vol)
1	57.2213	0.2384
2	0.7793	0.0649
3	0.0000	0.0000
4	0.1875	0.7500
Snow water	0.0769	---

30-year Closed Condition

HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE
HELP MODEL VERSION 4.0 BETA (2018)
DEVELOPED BY USEPA NATIONAL RISK MANAGEMENT RESEARCH LABORATORY

Title: Cell 4 Base Liner Efficiency **Simulated On:** 11/8/2022 15:17

Layer 1

Type 1 - Vertical Percolation Layer (Cover Soil)
LS - Loamy Sand
Material Texture Number 4

Thickness	=	12	inches
Porosity	=	0.437	vol/vol
Field Capacity	=	0.105	vol/vol
Wilting Point	=	0.047	vol/vol
Initial Soil Water Content	=	0.12	vol/vol
Effective Sat. Hyd. Conductivity	=	1.70E-03	cm/sec

Layer 2

Type 2 - Lateral Drainage Layer
CoS - Coarse Sand
Material Texture Number 1

Thickness	=	12	inches
Porosity	=	0.417	vol/vol
Field Capacity	=	0.045	vol/vol
Wilting Point	=	0.018	vol/vol
Initial Soil Water Content	=	0.05	vol/vol
Effective Sat. Hyd. Conductivity	=	1.00E-02	cm/sec
Slope	=	20	%
Drainage Length	=	200	ft

Layer 3

Type 4 - Flexible Membrane Liner
LDPE Membrane
Material Texture Number 36

Thickness	=	0.04	inches
Effective Sat. Hyd. Conductivity	=	4.00E-13	cm/sec
FML Pinhole Density	=	1	Holes/Acre
FML Installation Defects	=	1	Holes/Acre
FML Placement Quality	=	2	Excellent

Layer 4

Type 1 - Vertical Percolation Layer (Waste)

High-Density Electric Plant Coal Fly Ash
Material Texture Number 30

Thickness	=	1368	inches
Porosity	=	0.541	vol/vol
Field Capacity	=	0.187	vol/vol
Wilting Point	=	0.047	vol/vol
Initial Soil Water Content	=	0.2384	vol/vol
Effective Sat. Hyd. Conductivity	=	5.00E-05	cm/sec

Layer 5

Type 2 - Lateral Drainage Layer
CoS - Coarse Sand
Material Texture Number 1

Thickness	=	12	inches
Porosity	=	0.417	vol/vol
Field Capacity	=	0.045	vol/vol
Wilting Point	=	0.018	vol/vol
Initial Soil Water Content	=	0.0649	vol/vol
Effective Sat. Hyd. Conductivity	=	1.00E-02	cm/sec
Slope	=	2	%
Drainage Length	=	80	ft

Layer 6

Type 4 - Flexible Membrane Liner
HDPE Membrane
Material Texture Number 35

Thickness	=	0.06	inches
Effective Sat. Hyd. Conductivity	=	2.00E-13	cm/sec
FML Pinhole Density	=	1	Holes/Acre
FML Installation Defects	=	1	Holes/Acre
FML Placement Quality	=	2	Excellent

Layer 7

Type 3 - Barrier Soil Liner
Bentonite (High)
Material Texture Number 17

Thickness	=	0.25	inches
Porosity	=	0.75	vol/vol
Field Capacity	=	0.747	vol/vol
Wilting Point	=	0.4	vol/vol
Initial Soil Water Content	=	0.75	vol/vol
Effective Sat. Hyd. Conductivity	=	3.00E-09	cm/sec

Note: Initial moisture content of the layers and snow water

were specified by the user.

General Design and Evaporative Zone Data

SCS Runoff Curve Number	=	71	
Fraction of Area Allowing Runoff	=	100	%
Area projected on a horizontal plane	=	8.41	acres
Evaporative Zone Depth	=	24	inches
Initial Water in Evaporative Zone	=	2.04	inches
Upper Limit of Evaporative Storage	=	10.248	inches
Lower Limit of Evaporative Storage	=	0.78	inches
Initial Snow Water	=	0.0769	inches
Initial Water in Layer Materials	=	329.138	inches
Total Initial Water	=	329.214	inches
Total Subsurface Inflow	=	0	inches/year

Note: SCS Runoff Curve Number was User-Specified.

Evapotranspiration and Weather Data

Station Latitude	=	45.44	Degrees
Maximum Leaf Area Index	=	2	
Start of Growing Season (Julian Date)	=	128	days
End of Growing Season (Julian Date)	=	271	days
Average Wind Speed	=	8	mph
Average 1st Quarter Relative Humidity	=	72	%
Average 2nd Quarter Relative Humidity	=	66	%
Average 3rd Quarter Relative Humidity	=	72	%
Average 4th Quarter Relative Humidity	=	74	%

Note: Evapotranspiration data was obtained for Becker, MINNESOTA

Normal Mean Monthly Precipitation (inches)

Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec
0.754877	0.654563	1.544303	3.014812	3.613658	3.504773
4.033558	3.836565	2.469193	2.001136	1.160448	0.791648

Note: Precipitation was simulated based on HELP V4 weather simulation for:
Lat/Long: 45.44/-93.83

Normal Mean Monthly Temperature (Degrees Fahrenheit)

Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec

20.7	20.9	32.7	51.8	62.1	75.3
80.3	77.1	64.2	48.5	33.5	23

Note: Temperature was simulated based on HELP V4 weather simulation for:
Lat/Long: 45.44/-93.83
Solar radiation was simulated based on HELP V4 weather simulation for:
Lat/Long: 45.44/-93.83

Daily Output for Year 1

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.026	0.0849	0.0509	0.0028	1.58E-06	0.6414	0.0091	7.77E-08
2	*	*	0.00	0.000	0.022	0.0848	0.0438	0.0024	1.36E-06	0.6394	0.0091	7.75E-08
3	*	*	0.10	0.000	0.025	0.0847	0.0377	0.0021	1.18E-06	0.6366	0.0090	7.71E-08
4		*	0.00	0.000	0.032	0.0878	0.0325	0.0018	1.01E-06	0.6329	0.0090	7.67E-08
5	*	*	0.00	0.000	0.000	0.0877	0.0280	0.0015	8.75E-07	0.6285	0.0089	7.62E-08
6		*	0.00	0.000	0.000	0.0877	0.0241	0.0013	7.56E-07	0.6235	0.0088	7.55E-08
7	*	*	0.07	0.000	0.011	0.0876	0.0208	0.0011	6.53E-07	0.6179	0.0088	7.49E-08
8	*	*	0.04	0.000	0.005	0.0876	0.0179	0.0010	5.64E-07	0.6118	0.0087	7.41E-08
9	*	*	0.00	0.000	0.019	0.0876	0.0154	0.0008	4.88E-07	0.6053	0.0086	7.33E-08
10		*	0.00	0.000	0.030	0.0896	0.0133	0.0007	4.22E-07	0.5984	0.0085	7.25E-08
11		*	0.11	0.000	0.004	0.0938	0.0114	0.0006	3.65E-07	0.5911	0.0084	7.16E-08
12		*	0.00	0.000	0.000	0.0937	0.0098	0.0005	3.16E-07	0.5835	0.0083	7.06E-08
13		*	0.00	0.000	0.000	0.0937	0.0085	0.0005	2.74E-07	0.5757	0.0082	6.97E-08
14		*	0.00	0.000	0.000	0.0937	0.0073	0.0004	2.38E-07	0.5677	0.0080	6.87E-08
15		*	0.00	0.000	0.003	0.0938	0.0063	0.0003	2.07E-07	0.5595	0.0079	6.77E-08
16		*	0.14	0.000	0.004	0.0993	0.0054	0.0003	1.80E-07	0.5512	0.0078	6.67E-08
17		*	0.00	0.000	0.000	0.0992	0.0047	0.0003	1.57E-07	0.5428	0.0077	6.56E-08
18		*	0.00	0.000	0.000	0.0992	0.0040	0.0002	1.37E-07	0.5343	0.0076	6.46E-08
19			0.00	0.000	0.071	0.0963	0.0041	0.0002	1.41E-07	0.5257	0.0074	6.36E-08
20			0.00	0.000	0.048	0.0943	0.0064	0.0003	2.10E-07	0.5171	0.0073	6.25E-08
21	*		0.00	0.000	0.000	0.0942	0.0069	0.0004	2.27E-07	0.5085	0.0072	6.15E-08
22			0.00	0.000	0.042	0.0925	0.0060	0.0003	1.97E-07	0.4998	0.0071	6.04E-08
23			0.00	0.000	0.061	0.0899	0.0051	0.0003	1.72E-07	0.4913	0.0070	5.94E-08
24			0.00	0.000	0.061	0.0874	0.0044	0.0002	1.50E-07	0.4827	0.0068	5.83E-08
25			0.00	0.000	0.094	0.0835	0.0056	0.0003	1.85E-07	0.4742	0.0067	5.73E-08
26	*		0.00	0.000	0.030	0.0822	0.0082	0.0004	2.66E-07	0.4658	0.0066	5.62E-08
27			0.00	0.000	0.051	0.0801	0.0090	0.0005	2.89E-07	0.4575	0.0065	5.52E-08
28			0.00	0.000	0.064	0.0773	0.0105	0.0006	3.36E-07	0.4493	0.0064	5.42E-08
29	*		0.00	0.000	0.027	0.0762	0.0115	0.0006	3.66E-07	0.4412	0.0063	5.32E-08

30	*			0.02	0.000	0.013	0.0763	0.0107	0.0006	3.44E-07	0.4332	0.0061	5.23E-08
31	*			0.04	0.000	0.010	0.0771	0.0093	0.0005	3.01E-07	0.4253	0.0060	5.13E-08
32	*			0.01	0.000	0.011	0.0774	0.0081	0.0004	2.63E-07	0.4175	0.0059	5.04E-08
33	*			0.10	0.000	0.010	0.0782	0.0071	0.0004	2.31E-07	0.4099	0.0058	4.94E-08
34	*			0.02	0.000	0.005	0.0790	0.0062	0.0003	2.04E-07	0.4024	0.0057	4.85E-08
35	*			0.02	0.000	0.000	0.0798	0.0054	0.0003	1.80E-07	0.3951	0.0056	4.76E-08
36				0.00	0.000	0.044	0.0804	0.0047	0.0003	1.60E-07	0.3879	0.0055	4.68E-08
37	*			0.00	0.000	0.000	0.0804	0.0042	0.0002	1.42E-07	0.3809	0.0054	4.59E-08
38				0.00	0.000	0.041	0.0787	0.0044	0.0002	1.49E-07	0.3741	0.0053	4.51E-08
39	*			0.00	0.000	0.000	0.0787	0.0051	0.0003	1.69E-07	0.3674	0.0052	4.43E-08
40	*			0.05	0.000	0.013	0.0795	0.0044	0.0002	1.50E-07	0.3608	0.0051	4.35E-08
41	*			0.22	0.000	0.005	0.0803	0.0039	0.0002	1.33E-07	0.3545	0.0050	4.27E-08
42	*			0.00	0.000	0.002	0.0811	0.0034	0.0002	1.19E-07	0.3483	0.0049	4.19E-08
43	*	*		0.00	0.000	0.001	0.0811	0.0030	0.0002	1.06E-07	0.3423	0.0048	4.12E-08
44	*	*		0.00	0.000	0.016	0.0811	0.0026	0.0001	9.32E-08	0.3365	0.0048	4.05E-08
45	*	*		0.00	0.000	0.018	0.0811	0.0022	0.0001	8.20E-08	0.3308	0.0047	3.98E-08
46		*		0.00	0.000	0.020	0.0870	0.0019	0.0001	7.25E-08	0.3253	0.0046	3.92E-08
47		*		0.00	0.000	0.000	0.0869	0.0017	0.0001	6.44E-08	0.3200	0.0045	3.85E-08
48	*	*		0.00	0.000	0.000	0.0869	0.0014	0.0001	5.74E-08	0.3149	0.0045	3.79E-08
49	*	*		0.01	0.000	0.012	0.0869	0.0012	0.0001	5.13E-08	0.3099	0.0044	3.73E-08
50	*	*		0.01	0.000	0.010	0.0869	0.0011	0.0001	4.61E-08	0.3052	0.0043	3.67E-08
51	*	*		0.00	0.000	0.000	0.0869	0.0009	0.0000	4.16E-08	0.3005	0.0043	3.62E-08
52	*	*		0.00	0.000	0.000	0.0869	0.0008	0.0000	3.77E-08	0.2961	0.0042	3.56E-08
53	*	*		0.00	0.000	0.000	0.0869	0.0007	0.0000	3.43E-08	0.2918	0.0041	3.51E-08
54	*	*		0.00	0.000	0.000	0.0869	0.0006	0.0000	3.15E-08	0.2878	0.0041	3.46E-08
55	*	*		0.00	0.000	0.000	0.0869	0.0005	0.0000	2.90E-08	0.2838	0.0040	3.41E-08
56	*	*		0.00	0.000	0.002	0.0869	0.0004	0.0000	2.68E-08	0.2801	0.0040	3.37E-08
57	*	*		0.04	0.000	0.027	0.0869	0.0004	0.0000	2.50E-08	0.2765	0.0039	3.32E-08
58	*	*		0.18	0.000	0.021	0.0869	0.0003	0.0000	2.34E-08	0.2731	0.0039	3.28E-08
59	*	*		0.01	0.000	0.003	0.0869	0.0003	0.0000	2.21E-08	0.2698	0.0038	3.24E-08
60	*	*		0.08	0.000	0.001	0.0869	0.0002	0.0000	2.09E-08	0.2667	0.0038	3.21E-08
61	*	*		0.12	0.000	0.000	0.0869	0.0002	0.0000	1.99E-08	0.2638	0.0037	3.17E-08
62	*	*		0.00	0.000	0.014	0.0869	0.0002	0.0000	1.90E-08	0.2610	0.0037	3.14E-08
63	*	*		0.00	0.000	0.026	0.0869	0.0002	0.0000	1.83E-08	0.2584	0.0037	3.10E-08
64		*		0.02	0.012	0.017	0.1003	0.0001	0.0000	1.76E-08	0.2559	0.0036	3.07E-08
65	*	*		0.00	0.000	0.000	0.1003	0.0001	0.0000	1.71E-08	0.2536	0.0036	3.05E-08
66	*	*		0.00	0.000	0.000	0.1003	0.0001	0.0000	1.66E-08	0.2514	0.0036	3.02E-08

67	*	*	0.00	0.000	0.000	0.1003	0.0001	0.0000	1.62E-08	0.2493	0.0035	3.00E-08
68		*	0.00	0.000	0.000	0.1003	0.0001	0.0000	1.58E-08	0.2475	0.0035	2.97E-08
69		*	0.00	0.000	0.000	0.1003	0.0001	0.0000	1.55E-08	0.2457	0.0035	2.95E-08
70		*	0.27	0.004	0.003	0.1111	0.0001	0.0000	1.52E-08	0.2441	0.0035	2.93E-08
71		*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.50E-08	0.2426	0.0034	2.91E-08
72	*	*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.48E-08	0.2413	0.0034	2.90E-08
73		*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.46E-08	0.2401	0.0034	2.88E-08
74	*	*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.45E-08	0.2390	0.0034	2.87E-08
75	*	*	0.05	0.000	0.035	0.1111	0.0000	0.0000	1.44E-08	0.2380	0.0034	2.86E-08
76	*	*	0.00	0.000	0.012	0.1111	0.0000	0.0000	1.43E-08	0.2372	0.0034	2.85E-08
77	*	*	0.01	0.000	0.000	0.1111	0.0000	0.0000	1.42E-08	0.2365	0.0034	2.84E-08
78	*	*	0.43	0.000	0.010	0.1111	0.0000	0.0000	1.41E-08	0.2359	0.0033	2.83E-08
79	*	*	0.14	0.000	0.000	0.1111	0.0000	0.0000	1.40E-08	0.2354	0.0033	2.83E-08
80	*	*	0.00	0.000	0.021	0.1111	0.0000	0.0000	1.40E-08	0.2350	0.0033	2.82E-08
81	*	*	0.00	0.000	0.007	0.1111	0.0000	0.0000	1.39E-08	0.2348	0.0033	2.82E-08
82	*	*	0.00	0.000	0.009	0.1111	0.0000	0.0000	1.39E-08	0.2346	0.0033	2.82E-08
83	*	*	0.00	0.000	0.002	0.1111	0.0000	0.0000	1.38E-08	0.2345	0.0033	2.82E-08
84	*	*	0.01	0.000	0.001	0.1111	0.0000	0.0000	1.38E-08	0.2346	0.0033	2.82E-08
85	*	*	0.00	0.000	0.007	0.1111	0.0000	0.0000	1.38E-08	0.2347	0.0033	2.82E-08
86		*	0.03	0.113	0.014	0.1294	0.0000	0.0000	1.37E-08	0.2350	0.0033	2.82E-08
87	*	*	0.00	0.000	0.000	0.1294	0.0000	0.0000	1.37E-08	0.2353	0.0033	2.83E-08
88	*	*	0.00	0.000	0.000	0.1294	0.0000	0.0000	1.37E-08	0.2357	0.0033	2.83E-08
89		*	0.25	0.010	0.003	0.1391	0.0000	0.0000	1.37E-08	0.2362	0.0033	2.84E-08
90		*	0.00	0.000	0.002	0.1392	0.0000	0.0000	1.37E-08	0.2368	0.0034	2.84E-08
91		*	0.00	0.000	0.000	0.1392	0.0000	0.0000	1.37E-08	0.2375	0.0034	2.85E-08
92		*	0.29	0.028	0.003	0.1499	0.0000	0.0000	1.37E-08	0.2383	0.0034	2.86E-08
93		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.37E-08	0.2391	0.0034	2.87E-08
94		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2400	0.0034	2.88E-08
95		*	0.00	0.000	0.001	0.1499	0.0000	0.0000	1.36E-08	0.2410	0.0034	2.90E-08
96		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2421	0.0034	2.91E-08
97		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2432	0.0034	2.92E-08
98	*	*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2444	0.0035	2.94E-08
99	*	*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2456	0.0035	2.95E-08
100		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2469	0.0035	2.97E-08
101		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2483	0.0035	2.98E-08
102		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2497	0.0035	3.00E-08
103		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2512	0.0036	3.02E-08

104		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2527	0.0036	3.04E-08
105		*	0.00	0.000	0.000	0.1499	0.0000	0.0000	1.36E-08	0.2543	0.0036	3.06E-08
106		*	0.05	0.000	0.002	0.1517	0.0000	0.0000	3.67E-09	0.2559	0.0036	3.08E-08
107			0.25	0.000	0.141	0.1562	0.0013	0.0001	4.91E-08	0.2576	0.0036	3.10E-08
108	*		0.02	0.000	0.056	0.1528	0.8317	0.0453	2.61E-05	0.2593	0.0037	3.12E-08
109	*		0.00	0.000	0.000	0.1503	1.1017	0.0601	3.47E-05	0.2610	0.0037	3.14E-08
110	*		0.01	0.000	0.094	0.1440	1.2033	0.0656	3.79E-05	0.2627	0.0037	3.16E-08
111	*		0.00	0.000	0.118	0.1363	1.2148	0.0662	3.83E-05	0.2645	0.0037	3.18E-08
112	*		0.01	0.000	0.054	0.1317	1.1815	0.0644	3.72E-05	0.2663	0.0038	3.20E-08
113			0.29	0.000	0.154	0.1349	1.1409	0.0622	3.59E-05	0.2681	0.0038	3.22E-08
114			0.18	0.000	0.147	0.1338	1.0780	0.0588	3.39E-05	0.2700	0.0038	3.25E-08
115			0.00	0.000	0.174	0.1242	1.0034	0.0547	3.16E-05	0.2719	0.0039	3.27E-08
116			0.00	0.000	0.088	0.1185	0.9038	0.0493	2.84E-05	0.2739	0.0039	3.29E-08
117	*		0.00	0.000	0.000	0.1167	0.7901	0.0431	2.48E-05	0.2759	0.0039	3.32E-08
118	*		0.00	0.000	0.000	0.1151	0.7075	0.0386	2.22E-05	0.2780	0.0039	3.34E-08
119			0.00	0.000	0.113	0.1089	0.6521	0.0355	2.04E-05	0.2801	0.0040	3.37E-08
120	*		0.19	0.000	0.050	0.1084	0.5973	0.0326	1.87E-05	0.2822	0.0040	3.39E-08
121	*		0.00	0.000	0.027	0.1079	0.5587	0.0305	1.75E-05	0.2843	0.0040	3.42E-08
122	*		0.03	0.000	0.069	0.1076	0.5189	0.0283	1.62E-05	0.2865	0.0041	3.44E-08
123	*		0.00	0.000	0.012	0.1065	0.4800	0.0262	1.50E-05	0.2886	0.0041	3.47E-08
124			0.00	0.000	0.165	0.0986	0.4507	0.0246	1.41E-05	0.2908	0.0041	3.50E-08
125			0.36	0.000	0.128	0.1073	0.4167	0.0227	1.30E-05	0.2930	0.0042	3.52E-08
126			0.00	0.000	0.170	0.0994	0.3884	0.0212	1.21E-05	0.2953	0.0042	3.55E-08
127			0.07	0.000	0.282	0.0896	0.3596	0.0196	1.12E-05	0.2975	0.0042	3.58E-08
128			0.35	0.000	0.132	0.0979	0.3125	0.0170	9.76E-06	0.2997	0.0042	3.61E-08
129			0.08	0.000	0.164	0.0938	0.2764	0.0151	8.63E-06	0.3020	0.0043	3.63E-08
130			0.80	0.000	0.056	0.1242	0.2620	0.0143	8.18E-06	0.3043	0.0043	3.66E-08
131			0.31	0.000	0.357	0.1215	0.2397	0.0131	7.48E-06	0.3065	0.0043	3.69E-08
132			0.05	0.000	0.184	0.1156	0.2209	0.0120	6.89E-06	0.3088	0.0044	3.72E-08
133			0.04	0.000	0.269	0.1056	0.2095	0.0114	6.53E-06	0.3111	0.0044	3.74E-08
134			0.27	0.000	0.217	0.1075	0.2004	0.0109	6.25E-06	0.3134	0.0044	3.77E-08
135			0.51	0.000	0.133	0.1225	0.2164	0.0118	6.75E-06	0.3156	0.0045	3.80E-08
136			0.00	0.000	0.124	0.1169	0.2239	0.0122	6.99E-06	0.3179	0.0045	3.83E-08
137			0.00	0.000	0.299	0.1039	0.2242	0.0122	7.00E-06	0.3202	0.0045	3.85E-08
138			0.00	0.000	0.197	0.0952	0.2193	0.0120	6.84E-06	0.3225	0.0046	3.88E-08
139			0.17	0.000	0.133	0.0963	0.2050	0.0112	6.39E-06	0.3247	0.0046	3.91E-08
140			0.36	0.000	0.057	0.1083	0.1912	0.0104	5.96E-06	0.3270	0.0046	3.94E-08

141	0.00	0.000	0.231	0.0983	0.1787	0.0097	5.57E-06	0.3292	0.0047	3.96E-08
142	0.00	0.000	0.227	0.0885	0.1701	0.0093	5.30E-06	0.3315	0.0047	3.99E-08
143	0.22	0.000	0.134	0.0917	0.1541	0.0084	4.80E-06	0.3337	0.0047	4.02E-08
144	0.28	0.000	0.059	0.1004	0.1429	0.0078	4.45E-06	0.3360	0.0048	4.05E-08
145	0.06	0.000	0.333	0.0889	0.1352	0.0074	4.21E-06	0.3382	0.0048	4.07E-08
146	0.01	0.000	0.045	0.0870	0.1292	0.0070	4.03E-06	0.3404	0.0048	4.10E-08
147	0.00	0.000	0.036	0.0853	0.1134	0.0062	3.53E-06	0.3427	0.0049	4.13E-08
148	0.00	0.000	0.033	0.0837	0.1016	0.0055	3.17E-06	0.3449	0.0049	4.15E-08
149	0.44	0.000	0.032	0.1004	0.0910	0.0050	2.83E-06	0.3470	0.0049	4.18E-08
150	0.00	0.000	0.134	0.0947	0.0784	0.0043	2.44E-06	0.3492	0.0049	4.21E-08
151	0.02	0.000	0.266	0.0841	0.0674	0.0037	2.10E-06	0.3514	0.0050	4.23E-08
152	0.00	0.000	0.134	0.0784	0.0585	0.0032	1.82E-06	0.3536	0.0050	4.26E-08
153	0.00	0.000	0.059	0.0758	0.0581	0.0032	1.81E-06	0.3557	0.0050	4.28E-08
154	0.00	0.000	0.045	0.0738	0.0569	0.0031	1.77E-06	0.3578	0.0051	4.31E-08
155	0.00	0.000	0.038	0.0721	0.0550	0.0030	1.71E-06	0.3600	0.0051	4.34E-08
156	0.00	0.000	0.033	0.0706	0.0526	0.0029	1.64E-06	0.3621	0.0051	4.36E-08
157	2.03	0.000	0.032	0.1538	0.0502	0.0027	1.56E-06	0.3641	0.0052	4.39E-08
158	0.00	0.000	0.185	0.1460	0.0482	0.0026	1.50E-06	0.3662	0.0052	4.41E-08
159	0.00	0.000	0.177	0.1372	0.6318	0.0344	1.98E-05	0.3683	0.0052	4.44E-08
160	0.00	0.000	0.230	0.1259	0.7490	0.0408	2.35E-05	0.3702	0.0052	4.46E-08
161	0.08	0.000	0.108	0.1227	0.8144	0.0444	2.56E-05	0.3722	0.0053	4.49E-08
162	0.00	0.000	0.060	0.1183	0.8407	0.0458	2.64E-05	0.3742	0.0053	4.51E-08
163	0.00	0.000	0.051	0.1143	0.8535	0.0465	2.68E-05	0.3761	0.0053	4.53E-08
164	0.00	0.000	0.042	0.1106	0.8621	0.0470	2.71E-05	0.3781	0.0054	4.56E-08
165	0.00	0.000	0.037	0.1072	0.8250	0.0450	2.59E-05	0.3800	0.0054	4.58E-08
166	0.00	0.000	0.032	0.1040	0.7715	0.0421	2.42E-05	0.3819	0.0054	4.60E-08
167	0.00	0.000	0.031	0.1011	0.7324	0.0399	2.30E-05	0.3838	0.0054	4.63E-08
168	0.00	0.000	0.033	0.0981	0.7048	0.0384	2.21E-05	0.3857	0.0055	4.65E-08
169	0.00	0.000	0.028	0.0955	0.6537	0.0356	2.05E-05	0.3876	0.0055	4.67E-08
170	0.00	0.000	0.034	0.0927	0.6027	0.0329	1.89E-05	0.3895	0.0055	4.69E-08
171	0.00	0.000	0.036	0.0899	0.5559	0.0303	1.74E-05	0.3913	0.0055	4.72E-08
172	0.03	0.000	0.039	0.0886	0.5170	0.0282	1.62E-05	0.3932	0.0056	4.74E-08
173	0.13	0.000	0.042	0.0911	0.4877	0.0266	1.53E-05	0.3950	0.0056	4.76E-08
174	0.00	0.000	0.033	0.0887	0.4447	0.0242	1.39E-05	0.3969	0.0056	4.78E-08
175	0.00	0.000	0.032	0.0865	0.3890	0.0212	1.22E-05	0.3987	0.0056	4.81E-08
176	0.16	0.000	0.033	0.0910	0.3591	0.0196	1.12E-05	0.4005	0.0057	4.83E-08
177	0.00	0.000	0.028	0.0891	0.3389	0.0185	1.06E-05	0.4022	0.0057	4.85E-08

178	0.00	0.000	0.030	0.0871	0.3355	0.0183	1.05E-05	0.4040	0.0057	4.87E-08
179	0.00	0.000	0.045	0.0845	0.3242	0.0177	1.01E-05	0.4057	0.0057	4.89E-08
180	0.02	0.000	0.049	0.0825	0.3127	0.0170	9.77E-06	0.4075	0.0058	4.91E-08
181	0.69	0.000	0.053	0.1083	0.2986	0.0163	9.32E-06	0.4092	0.0058	4.93E-08
182	0.48	0.000	0.319	0.1143	0.2752	0.0150	8.59E-06	0.4109	0.0058	4.95E-08
183	0.00	0.000	0.211	0.1049	0.2544	0.0139	7.94E-06	0.4125	0.0058	4.98E-08
184	0.00	0.000	0.164	0.0975	0.2545	0.0139	7.94E-06	0.4142	0.0059	5.00E-08
185	0.42	0.000	0.170	0.1074	0.2492	0.0136	7.78E-06	0.4158	0.0059	5.02E-08
186	0.01	0.000	0.107	0.1027	0.2432	0.0133	7.59E-06	0.4174	0.0059	5.03E-08
187	0.03	0.000	0.112	0.0988	0.2390	0.0130	7.46E-06	0.4190	0.0059	5.05E-08
188	0.05	0.000	0.104	0.0960	0.2338	0.0127	7.30E-06	0.4206	0.0060	5.07E-08
189	0.00	0.000	0.245	0.0853	0.2260	0.0123	7.05E-06	0.4221	0.0060	5.09E-08
190	0.00	0.000	0.273	0.0734	0.2279	0.0124	7.11E-06	0.4237	0.0060	5.11E-08
191	0.15	0.000	0.110	0.0744	0.2219	0.0121	6.92E-06	0.4252	0.0060	5.13E-08
192	0.40	0.000	0.084	0.0870	0.2076	0.0113	6.48E-06	0.4267	0.0060	5.15E-08
193	0.21	0.000	0.119	0.0902	0.1930	0.0105	6.02E-06	0.4282	0.0061	5.17E-08
194	0.03	0.000	0.330	0.0773	0.1832	0.0100	5.71E-06	0.4296	0.0061	5.18E-08
195	0.28	0.000	0.218	0.0795	0.1767	0.0096	5.51E-06	0.4311	0.0061	5.20E-08
196	0.01	0.000	0.338	0.0654	0.1683	0.0092	5.25E-06	0.4325	0.0061	5.22E-08
197	0.00	0.000	0.127	0.0598	0.1595	0.0087	4.97E-06	0.4339	0.0061	5.24E-08
198	0.00	0.000	0.114	0.0547	0.1451	0.0079	4.52E-06	0.4353	0.0062	5.25E-08
199	0.13	0.000	0.076	0.0567	0.1289	0.0070	4.02E-06	0.4367	0.0062	5.27E-08
200	0.00	0.000	0.082	0.0531	0.1147	0.0063	3.57E-06	0.4380	0.0062	5.29E-08
201	0.00	0.000	0.084	0.0493	0.0974	0.0053	3.03E-06	0.4394	0.0062	5.30E-08
202	0.38	0.000	0.071	0.0622	0.0878	0.0048	2.74E-06	0.4404	0.0062	5.31E-08
203	0.00	0.000	0.152	0.0556	0.1175	0.0064	3.66E-06	0.4389	0.0062	5.30E-08
204	0.14	0.000	0.107	0.0569	0.1260	0.0069	3.93E-06	0.4371	0.0062	5.27E-08
205	0.00	0.000	0.150	0.0503	0.1363	0.0074	4.25E-06	0.4357	0.0062	5.26E-08
206	0.00	0.000	0.098	0.0460	0.1112	0.0061	3.46E-06	0.4346	0.0062	5.24E-08
207	0.00	0.000	0.062	0.0434	0.0485	0.0026	1.51E-06	0.4338	0.0061	5.23E-08
208	0.00	0.000	0.065	0.0407	0.0073	0.0003	1.61E-07	0.4333	0.0061	5.23E-08
209	0.00	0.000	0.108	0.0362	0.0000	0.0000	0.00E+00	0.4330	0.0061	5.23E-08
210	0.04	0.000	0.053	0.0357	0.0000	0.0000	0.00E+00	0.4330	0.0061	5.23E-08
211	0.52	0.000	0.090	0.0536	0.0000	0.0000	0.00E+00	0.4333	0.0061	5.23E-08
212	0.17	0.000	0.078	0.0573	0.0000	0.0000	0.00E+00	0.4337	0.0061	5.23E-08
213	0.02	0.000	0.110	0.0536	0.0000	0.0000	0.00E+00	0.4343	0.0062	5.24E-08
214	0.00	0.000	0.126	0.0484	0.0000	0.0000	0.00E+00	0.4352	0.0062	5.25E-08

215	0.00	0.000	0.224	0.0391	0.0000	0.0000	0.00E+00	0.4362	0.0062	5.26E-08
216	0.75	0.000	0.242	0.0603	0.0000	0.0000	0.00E+00	0.4373	0.0062	5.28E-08
217	0.00	0.000	0.166	0.0534	0.0000	0.0000	0.00E+00	0.4386	0.0062	5.29E-08
218	0.03	0.000	0.237	0.0450	0.0000	0.0000	0.00E+00	0.4401	0.0062	5.31E-08
219	0.24	0.000	0.101	0.0506	0.0000	0.0000	0.00E+00	0.4416	0.0063	5.33E-08
220	0.06	0.000	0.112	0.0483	0.0000	0.0000	0.00E+00	0.4433	0.0063	5.35E-08
221	0.00	0.000	0.260	0.0374	0.0000	0.0000	0.00E+00	0.4451	0.0063	5.37E-08
222	0.07	0.000	0.124	0.0354	0.0000	0.0000	0.00E+00	0.4469	0.0063	5.39E-08
223	0.00	0.000	0.036	0.0339	0.0000	0.0000	0.00E+00	0.4489	0.0064	5.42E-08
224	0.07	0.000	0.059	0.0342	0.0000	0.0000	0.00E+00	0.4509	0.0064	5.44E-08
225	0.00	0.000	0.016	0.0335	0.0000	0.0000	0.00E+00	0.4530	0.0064	5.47E-08
226	0.00	0.000	0.018	0.0327	0.0000	0.0000	0.00E+00	0.4552	0.0064	5.49E-08
227	0.00	0.000	0.005	0.0325	0.0000	0.0000	0.00E+00	0.4574	0.0065	5.52E-08
228	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.4596	0.0065	5.55E-08
229	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.4619	0.0065	5.58E-08
230	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.4642	0.0066	5.61E-08
231	0.17	0.000	0.025	0.0383	0.0000	0.0000	0.00E+00	0.4666	0.0066	5.63E-08
232	0.00	0.000	0.084	0.0348	0.0000	0.0000	0.00E+00	0.4689	0.0066	5.66E-08
233	0.00	0.000	0.042	0.0331	0.0000	0.0000	0.00E+00	0.4713	0.0067	5.69E-08
234	0.00	0.000	0.012	0.0326	0.0000	0.0000	0.00E+00	0.4737	0.0067	5.72E-08
235	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.4761	0.0067	5.75E-08
236	0.00	0.000	0.001	0.0325	0.0000	0.0000	0.00E+00	0.4785	0.0068	5.78E-08
237	0.43	0.000	0.034	0.0492	0.0000	0.0000	0.00E+00	0.4810	0.0068	5.81E-08
238	0.00	0.000	0.091	0.0454	0.0000	0.0000	0.00E+00	0.4834	0.0068	5.84E-08
239	0.00	0.000	0.165	0.0386	0.0000	0.0000	0.00E+00	0.4858	0.0069	5.87E-08
240	0.00	0.000	0.114	0.0338	0.0000	0.0000	0.00E+00	0.4882	0.0069	5.90E-08
241	0.00	0.000	0.018	0.0331	0.0000	0.0000	0.00E+00	0.4905	0.0069	5.93E-08
242	0.00	0.000	0.013	0.0325	0.0000	0.0000	0.00E+00	0.4929	0.0070	5.96E-08
243	0.28	0.000	0.023	0.0432	0.0000	0.0000	0.00E+00	0.4952	0.0070	5.98E-08
244	0.00	0.000	0.077	0.0400	0.0000	0.0000	0.00E+00	0.4976	0.0070	6.01E-08
245	0.00	0.000	0.083	0.0365	0.0000	0.0000	0.00E+00	0.4999	0.0071	6.04E-08
246	0.00	0.000	0.081	0.0331	0.0000	0.0000	0.00E+00	0.5021	0.0071	6.07E-08
247	0.00	0.000	0.008	0.0328	0.0000	0.0000	0.00E+00	0.5044	0.0071	6.10E-08
248	0.00	0.000	0.008	0.0325	0.0000	0.0000	0.00E+00	0.5066	0.0072	6.12E-08
249	0.14	0.000	0.026	0.0374	0.0000	0.0000	0.00E+00	0.5088	0.0072	6.15E-08
250	0.02	0.000	0.056	0.0360	0.0000	0.0000	0.00E+00	0.5110	0.0072	6.18E-08
251	0.32	0.000	0.103	0.0451	0.0000	0.0000	0.00E+00	0.5131	0.0073	6.20E-08

252		0.00	0.000	0.066	0.0424	0.0000	0.0000	0.00E+00	0.5152	0.0073	6.23E-08
253		0.00	0.000	0.099	0.0382	0.0000	0.0000	0.00E+00	0.5173	0.0073	6.25E-08
254		0.00	0.000	0.089	0.0345	0.0000	0.0000	0.00E+00	0.5194	0.0074	6.28E-08
255		0.10	0.000	0.083	0.0351	0.0000	0.0000	0.00E+00	0.5214	0.0074	6.30E-08
256		0.00	0.000	0.024	0.0341	0.0000	0.0000	0.00E+00	0.5233	0.0074	6.33E-08
257		0.28	0.000	0.068	0.0429	0.0000	0.0000	0.00E+00	0.5253	0.0074	6.35E-08
258		0.05	0.000	0.064	0.0425	0.0000	0.0000	0.00E+00	0.5272	0.0075	6.37E-08
259		0.00	0.000	0.132	0.0371	0.0000	0.0000	0.00E+00	0.5291	0.0075	6.40E-08
260		0.00	0.000	0.062	0.0345	0.0000	0.0000	0.00E+00	0.5309	0.0075	6.42E-08
261		0.00	0.000	0.030	0.0332	0.0000	0.0000	0.00E+00	0.5327	0.0075	6.44E-08
262		0.00	0.000	0.004	0.0330	0.0000	0.0000	0.00E+00	0.5345	0.0076	6.46E-08
263		0.00	0.000	0.004	0.0329	0.0000	0.0000	0.00E+00	0.5362	0.0076	6.48E-08
264		0.00	0.000	0.009	0.0325	0.0000	0.0000	0.00E+00	0.5379	0.0076	6.50E-08
265		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.5395	0.0076	6.53E-08
266		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.5411	0.0077	6.54E-08
267		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.5427	0.0077	6.56E-08
268	*	0.02	0.000	0.020	0.0325	0.0000	0.0000	0.00E+00	0.5443	0.0077	6.58E-08
269		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.5458	0.0077	6.60E-08
270		1.27	0.000	0.053	0.0831	0.0000	0.0000	0.00E+00	0.5472	0.0078	6.62E-08
271		0.00	0.000	0.080	0.0798	0.0000	0.0000	0.00E+00	0.5487	0.0078	6.64E-08
272		0.00	0.000	0.141	0.0739	0.0000	0.0000	0.00E+00	0.5501	0.0078	6.65E-08
273		0.10	0.000	0.165	0.0713	0.0000	0.0000	0.00E+00	0.5515	0.0078	6.67E-08
274		0.12	0.000	0.263	0.0654	0.0000	0.0000	0.00E+00	0.5528	0.0078	6.69E-08
275		0.08	0.000	0.124	0.0636	0.0000	0.0000	0.00E+00	0.5541	0.0079	6.70E-08
276		0.02	0.000	0.273	0.0530	0.0000	0.0000	0.00E+00	0.5554	0.0079	6.72E-08
277		0.00	0.000	0.118	0.0481	0.0000	0.0000	0.00E+00	0.5566	0.0079	6.73E-08
278		0.00	0.000	0.045	0.0462	0.0000	0.0000	0.00E+00	0.5578	0.0079	6.75E-08
279		0.01	0.000	0.044	0.0448	0.0000	0.0000	0.00E+00	0.5590	0.0079	6.76E-08
280		0.21	0.000	0.041	0.0518	0.0152	0.0008	4.79E-07	0.5602	0.0079	6.78E-08
281	*	0.02	0.000	0.034	0.0512	0.0570	0.0031	1.78E-06	0.5613	0.0080	6.79E-08
282		0.08	0.000	0.034	0.0530	0.0665	0.0036	2.07E-06	0.5624	0.0080	6.80E-08
283		0.00	0.000	0.023	0.0518	0.0814	0.0044	2.54E-06	0.5634	0.0080	6.82E-08
284		0.00	0.000	0.022	0.0507	0.0873	0.0048	2.72E-06	0.5644	0.0080	6.83E-08
285		0.00	0.000	0.020	0.0497	0.0870	0.0047	2.71E-06	0.5654	0.0080	6.84E-08
286		0.00	0.000	0.019	0.0487	0.0828	0.0045	2.58E-06	0.5664	0.0080	6.85E-08
287		0.00	0.000	0.018	0.0477	0.0785	0.0043	2.44E-06	0.5674	0.0080	6.87E-08
288	*	0.00	0.000	0.017	0.0468	0.0758	0.0041	2.36E-06	0.5683	0.0081	6.88E-08

289			0.04	0.000	0.025	0.0472	0.0716	0.0039	2.23E-06	0.5692	0.0081	6.89E-08
290			0.00	0.000	0.016	0.0464	0.0692	0.0038	2.15E-06	0.5700	0.0081	6.90E-08
291			0.01	0.000	0.020	0.0457	0.0689	0.0038	2.15E-06	0.5709	0.0081	6.91E-08
292			0.00	0.000	0.015	0.0449	0.0637	0.0035	1.98E-06	0.5717	0.0081	6.92E-08
293	*		0.00	0.000	0.015	0.0442	0.0635	0.0035	1.98E-06	0.5725	0.0081	6.93E-08
294			0.12	0.000	0.022	0.0481	0.0596	0.0033	1.86E-06	0.5732	0.0081	6.94E-08
295	*		0.05	0.000	0.016	0.0488	0.0581	0.0032	1.81E-06	0.5740	0.0081	6.95E-08
296	*		0.00	0.000	0.027	0.0481	0.0559	0.0030	1.74E-06	0.5747	0.0081	6.96E-08
297			0.00	0.000	0.013	0.0474	0.0628	0.0034	1.96E-06	0.5754	0.0082	6.96E-08
298	*		0.06	0.000	0.018	0.0480	0.0790	0.0043	2.46E-06	0.5760	0.0082	6.97E-08
299	*		0.00	0.000	0.017	0.0479	0.0681	0.0037	2.12E-06	0.5767	0.0082	6.98E-08
300			0.46	0.000	0.015	0.0664	0.0587	0.0032	1.83E-06	0.5773	0.0082	6.99E-08
301	*		0.05	0.000	0.021	0.0671	0.0505	0.0028	1.57E-06	0.5779	0.0082	6.99E-08
302	*		0.20	0.000	0.000	0.0678	0.0435	0.0024	1.35E-06	0.5785	0.0082	7.00E-08
303	*		0.04	0.000	0.007	0.0686	0.0375	0.0020	1.17E-06	0.5790	0.0082	7.01E-08
304	*		0.00	0.000	0.004	0.0693	0.0323	0.0018	1.01E-06	0.5796	0.0082	7.02E-08
305	*		0.00	0.000	0.009	0.0701	0.0278	0.0015	8.69E-07	0.5801	0.0082	7.02E-08
306	*		0.07	0.000	0.006	0.0709	0.0239	0.0013	7.50E-07	0.5806	0.0082	7.03E-08
307			0.40	0.000	0.000	0.0957	0.0212	0.0012	6.67E-07	0.5811	0.0082	7.03E-08
308			0.00	0.000	0.063	0.0930	0.0229	0.0012	7.19E-07	0.5816	0.0082	7.04E-08
309			0.00	0.000	0.051	0.0908	0.0211	0.0012	6.63E-07	0.5820	0.0082	7.05E-08
310	*		0.25	0.000	0.014	0.0916	0.0182	0.0010	5.73E-07	0.5825	0.0083	7.05E-08
311	*		0.00	0.000	0.011	0.0924	0.0157	0.0009	4.95E-07	0.5829	0.0083	7.06E-08
312			0.00	0.000	0.025	0.0993	0.0135	0.0007	4.28E-07	0.5833	0.0083	7.06E-08
313	*		0.00	0.000	0.000	0.0992	0.0295	0.0016	9.22E-07	0.5837	0.0083	7.07E-08
314	*	*	0.00	0.000	0.000	0.0991	0.0452	0.0025	1.41E-06	0.5841	0.0083	7.07E-08
315	*	*	0.00	0.000	0.000	0.0990	0.0389	0.0021	1.21E-06	0.5844	0.0083	7.08E-08
316	*	*	0.00	0.000	0.000	0.0989	0.0335	0.0018	1.05E-06	0.5848	0.0083	7.08E-08
317	*	*	0.00	0.000	0.000	0.0989	0.0289	0.0016	9.02E-07	0.5851	0.0083	7.08E-08
318	*	*	0.00	0.000	0.000	0.0988	0.0249	0.0014	7.79E-07	0.5855	0.0083	7.09E-08
319	*	*	0.00	0.000	0.000	0.0988	0.0214	0.0012	6.72E-07	0.5858	0.0083	7.09E-08
320	*	*	0.00	0.000	0.000	0.0987	0.0184	0.0010	5.81E-07	0.5861	0.0083	7.10E-08
321	*	*	0.00	0.000	0.000	0.0987	0.0159	0.0009	5.02E-07	0.5863	0.0083	7.10E-08
322	*	*	0.00	0.000	0.000	0.0987	0.0137	0.0007	4.34E-07	0.5866	0.0083	7.10E-08
323	*	*	0.00	0.000	0.000	0.0986	0.0118	0.0006	3.76E-07	0.5869	0.0083	7.11E-08
324	*	*	0.03	0.000	0.014	0.0986	0.0101	0.0006	3.26E-07	0.5871	0.0083	7.11E-08
325		*	0.31	0.012	0.000	0.1116	0.0087	0.0005	2.82E-07	0.5874	0.0083	7.11E-08

326		*	0.00	0.000	0.000	0.1116	0.0075	0.0004	2.45E-07	0.5876	0.0083	7.11E-08
327		*	0.00	0.000	0.000	0.1116	0.0065	0.0004	2.13E-07	0.5878	0.0083	7.12E-08
328		*	0.00	0.000	0.000	0.1116	0.0056	0.0003	1.85E-07	0.5880	0.0083	7.12E-08
329		*	0.00	0.000	0.000	0.1115	0.0048	0.0003	1.61E-07	0.5882	0.0083	7.12E-08
330		*	0.00	0.000	0.000	0.1115	0.0041	0.0002	1.41E-07	0.5884	0.0083	7.12E-08
331		*	0.00	0.000	0.000	0.1115	0.0036	0.0002	1.23E-07	0.5886	0.0083	7.13E-08
332	*	*	0.13	0.000	0.021	0.1115	0.0031	0.0002	1.08E-07	0.5888	0.0083	7.13E-08
333		*	0.00	0.000	0.032	0.1150	0.0026	0.0001	9.50E-08	0.5889	0.0083	7.13E-08
334		*	0.00	0.000	0.000	0.1150	0.0023	0.0001	8.38E-08	0.5891	0.0083	7.13E-08
335	*	*	0.00	0.000	0.000	0.1150	0.0020	0.0001	7.39E-08	0.5892	0.0083	7.13E-08
336	*	*	0.03	0.000	0.015	0.1150	0.0017	0.0001	6.55E-08	0.5893	0.0083	7.14E-08
337	*	*	0.06	0.000	0.006	0.1150	0.0015	0.0001	5.83E-08	0.5895	0.0084	7.14E-08
338	*	*	0.00	0.000	0.006	0.1150	0.0013	0.0001	5.21E-08	0.5896	0.0084	7.14E-08
339	*	*	0.01	0.000	0.000	0.1150	0.0011	0.0001	4.68E-08	0.5897	0.0084	7.14E-08
340		*	0.00	0.000	0.019	0.1174	0.0009	0.0001	4.22E-08	0.5898	0.0084	7.14E-08
341	*	*	0.00	0.000	0.000	0.1174	0.0008	0.0000	3.82E-08	0.5899	0.0084	7.14E-08
342	*	*	0.00	0.000	0.000	0.1174	0.0007	0.0000	3.48E-08	0.5900	0.0084	7.14E-08
343	*	*	0.10	0.000	0.008	0.1174	0.0006	0.0000	3.19E-08	0.5901	0.0084	7.14E-08
344	*	*	0.28	0.000	0.009	0.1174	0.0005	0.0000	2.93E-08	0.5902	0.0084	7.15E-08
345	*	*	0.00	0.000	0.008	0.1174	0.0004	0.0000	2.71E-08	0.5903	0.0084	7.15E-08
346		*	0.09	0.000	0.000	0.1231	0.0004	0.0000	2.53E-08	0.5903	0.0084	7.15E-08
347		*	0.02	0.028	0.000	0.1355	0.0003	0.0000	2.36E-08	0.5904	0.0084	7.15E-08
348		*	0.00	0.000	0.000	0.1355	0.0003	0.0000	2.23E-08	0.5904	0.0084	7.15E-08
349		*	0.00	0.000	0.000	0.1355	0.0002	0.0000	2.11E-08	0.5905	0.0084	7.15E-08
350		*	0.00	0.000	0.000	0.1355	0.0002	0.0000	2.00E-08	0.5905	0.0084	7.15E-08
351		*	0.00	0.000	0.001	0.1355	0.0002	0.0000	1.91E-08	0.5906	0.0084	7.15E-08
352		*	0.00	0.000	0.000	0.1355	0.0002	0.0000	1.84E-08	0.5906	0.0084	7.15E-08
353		*	0.00	0.000	0.000	0.1355	0.0001	0.0000	1.77E-08	0.5907	0.0084	7.15E-08
354	*	*	0.10	0.000	0.010	0.1355	0.0001	0.0000	1.71E-08	0.5907	0.0084	7.15E-08
355	*	*	0.00	0.000	0.017	0.1355	0.0001	0.0000	1.66E-08	0.5907	0.0084	7.15E-08
356	*	*	0.07	0.000	0.014	0.1355	0.0001	0.0000	1.62E-08	0.5907	0.0084	7.15E-08
357	*	*	0.14	0.000	0.000	0.1355	0.0001	0.0000	1.59E-08	0.5907	0.0084	7.15E-08
358		*	0.04	0.033	0.000	0.1468	0.0001	0.0000	1.55E-08	0.5908	0.0084	7.15E-08
359		*	0.22	0.013	0.004	0.1552	0.0001	0.0000	1.53E-08	0.5908	0.0084	7.15E-08
360		*	0.00	0.000	0.000	0.1552	0.0000	0.0000	1.50E-08	0.5908	0.0084	7.15E-08
361		*	0.20	0.012	0.004	0.1628	0.0000	0.0000	1.48E-08	0.5908	0.0084	7.15E-08
362		*	0.04	0.000	0.004	0.1644	0.0000	0.0000	1.47E-08	0.5908	0.0084	7.15E-08

363		*	0.01	0.000	0.004	0.1648	0.0000	0.0000	1.45E-08	0.5907	0.0084	7.15E-08
364		*	0.00	0.000	0.000	0.1648	0.0000	0.0000	1.44E-08	0.5907	0.0084	7.15E-08
365	*	*	0.00	0.000	0.000	0.1648	0.0000	0.0000	1.43E-08	0.5907	0.0084	7.15E-08

* = Frozen (air or soil)

Annual Totals for Year 1			
	inches	cubic feet	percent
Precipitation	23.48	716,937.8	100.00
Runoff	0.265	8,096.1	1.13
Evapotranspiration	19.147	584,514.8	81.53
Drainage Collected from Layer 2	2.2334	68,182.9	9.51
Percolation/Leakage through Layer 3	0.001285	39.2	0.01
Average Head on Top of Layer 3	0.1123	---	---
Drainage Collected from Layer 5	2.2625	69,068.9	9.63
Percolation/Leakage through Layer 7	0.000019	0.5887	0.00
Average Head on Top of Layer 6	0.4375	---	---
Change in Water Storage	-0.4234	-12,925.5	-1.80
Soil Water at Start of Year	331.9983	##########	1413.70
Soil Water at End of Year	331.6518	##########	1412.22
Snow Water at Start of Year	0.0769	2,347.6	0.33
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 2

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1648	0.0000	0.0000	1.42E-08	0.5907	0.0084	7.15E-08
2	*	*	0.00	0.000	0.004	0.1648	0.0000	0.0000	1.41E-08	0.5907	0.0084	7.15E-08
3	*	*	0.00	0.000	0.000	0.1648	0.0000	0.0000	1.40E-08	0.5907	0.0084	7.15E-08
4		*	0.01	0.000	0.004	0.1651	0.0000	0.0000	1.40E-08	0.5906	0.0084	7.15E-08
5		*	0.05	0.000	0.004	0.1668	0.0000	0.0000	1.39E-08	0.5906	0.0084	7.15E-08
6		*	0.00	0.000	0.000	0.1668	0.0000	0.0000	1.39E-08	0.5906	0.0084	7.15E-08
7		*	0.02	0.000	0.004	0.1674	0.0000	0.0000	1.38E-08	0.5905	0.0084	7.15E-08
8		*	0.13	0.002	0.004	0.1727	0.0000	0.0000	1.38E-08	0.5905	0.0084	7.15E-08
9		*	0.00	0.000	0.000	0.1727	0.0000	0.0000	1.38E-08	0.5904	0.0084	7.15E-08
10		*	0.16	0.009	0.004	0.1788	0.0000	0.0000	1.38E-08	0.5904	0.0084	7.15E-08
11			0.17	0.000	0.034	0.1825	0.9648	0.0526	3.11E-05	0.5904	0.0084	7.15E-08
12	*		0.00	0.000	0.000	0.1745	3.5182	0.1918	1.13E-04	0.5905	0.0084	7.15E-08
13	*		0.01	0.000	0.014	0.1676	3.0301	0.1652	9.70E-05	0.5907	0.0084	7.15E-08
14	*		0.04	0.000	0.013	0.1625	2.6096	0.1423	8.33E-05	0.5908	0.0084	7.15E-08
15	*		0.00	0.000	0.003	0.1573	2.2478	0.1225	7.15E-05	0.5909	0.0084	7.15E-08
16	*		0.00	0.000	0.000	0.1529	1.9561	0.1066	6.21E-05	0.5909	0.0084	7.15E-08
17	*		0.08	0.000	0.022	0.1498	1.7345	0.0946	5.49E-05	0.5909	0.0084	7.15E-08
18	*		0.07	0.000	0.017	0.1471	1.5575	0.0849	4.92E-05	0.5909	0.0084	7.15E-08
19	*		0.00	0.000	0.014	0.1447	1.4197	0.0774	4.48E-05	0.5908	0.0084	7.15E-08
20	*		0.11	0.000	0.006	0.1425	1.2915	0.0704	4.07E-05	0.5907	0.0084	7.15E-08
21	*		0.12	0.000	0.006	0.1407	1.1673	0.0636	3.68E-05	0.5906	0.0084	7.15E-08
22	*		0.16	0.000	0.010	0.1391	1.0490	0.0572	3.30E-05	0.5905	0.0084	7.15E-08
23			0.06	0.000	0.000	0.1417	0.9441	0.0515	2.97E-05	0.5903	0.0084	7.15E-08
24			0.24	0.000	0.000	0.1617	0.8677	0.0473	2.73E-05	0.5902	0.0084	7.15E-08
25			0.01	0.000	0.061	0.1580	0.7915	0.0431	2.48E-05	0.5901	0.0084	7.14E-08
26			0.00	0.000	0.038	0.1544	0.8579	0.0468	2.69E-05	0.5899	0.0084	7.14E-08
27	*		0.00	0.000	0.000	0.1523	0.9557	0.0521	3.00E-05	0.5898	0.0084	7.14E-08
28	*		0.00	0.000	0.000	0.1499	1.0522	0.0574	3.31E-05	0.5896	0.0084	7.14E-08
29	*		0.00	0.000	0.000	0.1474	1.0963	0.0598	3.45E-05	0.5895	0.0084	7.14E-08

30	*	*	0.00	0.000	0.000	0.1450	1.0434	0.0569	3.28E-05	0.5894	0.0084	7.14E-08
31	*	*	0.00	0.000	0.000	0.1430	0.8986	0.0490	2.82E-05	0.5893	0.0083	7.13E-08
32	*	*	0.00	0.000	0.000	0.1412	0.7739	0.0422	2.43E-05	0.5891	0.0083	7.13E-08
33	*	*	0.00	0.000	0.000	0.1397	0.6666	0.0363	2.09E-05	0.5890	0.0083	7.13E-08
34	*	*	0.00	0.000	0.000	0.1384	0.5741	0.0313	1.80E-05	0.5888	0.0083	7.13E-08
35	*	*	0.00	0.000	0.000	0.1373	0.4944	0.0270	1.55E-05	0.5886	0.0083	7.13E-08
36	*	*	0.00	0.000	0.000	0.1363	0.4258	0.0232	1.33E-05	0.5885	0.0083	7.12E-08
37	*	*	0.00	0.000	0.000	0.1355	0.3667	0.0200	1.15E-05	0.5883	0.0083	7.12E-08
38		*	0.00	0.000	0.000	0.1347	0.3158	0.0172	9.86E-06	0.5881	0.0083	7.12E-08
39		*	0.00	0.000	0.000	0.1341	0.2720	0.0148	8.49E-06	0.5880	0.0083	7.12E-08
40		*	0.01	0.000	0.003	0.1340	0.2343	0.0128	7.31E-06	0.5878	0.0083	7.12E-08
41	*	*	0.12	0.000	0.031	0.1335	0.2018	0.0110	6.29E-06	0.5876	0.0083	7.11E-08
42	*	*	0.00	0.000	0.016	0.1331	0.1738	0.0095	5.42E-06	0.5875	0.0083	7.11E-08
43	*	*	0.00	0.000	0.016	0.1328	0.1497	0.0082	4.66E-06	0.5873	0.0083	7.11E-08
44	*	*	0.00	0.000	0.005	0.1325	0.1289	0.0070	4.02E-06	0.5872	0.0083	7.11E-08
45	*	*	0.00	0.000	0.009	0.1323	0.1110	0.0061	3.46E-06	0.5870	0.0083	7.11E-08
46	*	*	0.00	0.000	0.025	0.1320	0.0956	0.0052	2.98E-06	0.5868	0.0083	7.10E-08
47	*	*	0.00	0.000	0.014	0.1319	0.0823	0.0045	2.56E-06	0.5867	0.0083	7.10E-08
48	*	*	0.00	0.000	0.000	0.1317	0.0709	0.0039	2.21E-06	0.5866	0.0083	7.10E-08
49	*	*	0.00	0.000	0.000	0.1316	0.0611	0.0033	1.90E-06	0.5864	0.0083	7.10E-08
50	*	*	0.00	0.000	0.000	0.1314	0.0526	0.0029	1.64E-06	0.5863	0.0083	7.10E-08
51	*	*	0.00	0.000	0.000	0.1313	0.0453	0.0025	1.41E-06	0.5862	0.0083	7.10E-08
52	*	*	0.01	0.000	0.014	0.1312	0.0390	0.0021	1.21E-06	0.5860	0.0083	7.09E-08
53		*	0.00	0.000	0.000	0.1312	0.0336	0.0018	1.05E-06	0.5859	0.0083	7.09E-08
54	*	*	0.00	0.000	0.000	0.1311	0.0289	0.0016	9.04E-07	0.5858	0.0083	7.09E-08
55	*	*	0.03	0.000	0.021	0.1310	0.0249	0.0014	7.81E-07	0.5856	0.0083	7.09E-08
56	*	*	0.08	0.000	0.007	0.1310	0.0215	0.0012	6.74E-07	0.5855	0.0083	7.09E-08
57	*	*	0.00	0.000	0.034	0.1310	0.0185	0.0010	5.83E-07	0.5854	0.0083	7.09E-08
58		*	0.00	0.000	0.053	0.1309	0.0159	0.0009	5.04E-07	0.5853	0.0083	7.09E-08
59		*	0.00	0.000	0.000	0.1309	0.0137	0.0007	4.36E-07	0.5852	0.0083	7.08E-08
60		*	0.10	0.000	0.003	0.1350	0.0118	0.0006	3.77E-07	0.5851	0.0083	7.08E-08
61		*	0.44	0.047	0.003	0.1511	0.0102	0.0006	3.27E-07	0.5850	0.0083	7.08E-08
62		*	0.00	0.000	0.000	0.1510	0.0088	0.0005	2.83E-07	0.5849	0.0083	7.08E-08
63		*	0.00	0.000	0.000	0.1510	0.0075	0.0004	2.46E-07	0.5848	0.0083	7.08E-08
64		*	0.00	0.000	0.000	0.1510	0.0065	0.0004	2.14E-07	0.5847	0.0083	7.08E-08
65		*	0.00	0.000	0.000	0.1510	0.0056	0.0003	1.86E-07	0.5846	0.0083	7.08E-08
66	*	*	0.00	0.000	0.000	0.1510	0.0048	0.0003	1.62E-07	0.5845	0.0083	7.08E-08

67		*	0.00	0.000	0.000	0.1510	0.0042	0.0002	1.41E-07	0.5844	0.0083	7.07E-08
68		*	0.00	0.000	0.000	0.1510	0.0036	0.0002	1.24E-07	0.5843	0.0083	7.07E-08
69		*	0.00	0.000	0.000	0.1510	0.0031	0.0002	1.08E-07	0.5842	0.0083	7.07E-08
70	*	*	0.00	0.000	0.000	0.1510	0.0027	0.0001	9.52E-08	0.5841	0.0083	7.07E-08
71	*	*	0.00	0.000	0.001	0.1510	0.0023	0.0001	8.40E-08	0.5840	0.0083	7.07E-08
72		*	0.05	0.000	0.003	0.1528	0.0020	0.0001	7.40E-08	0.5839	0.0083	7.07E-08
73		*	0.00	0.000	0.000	0.1528	0.0017	0.0001	6.57E-08	0.5838	0.0083	7.07E-08
74	*	*	0.14	0.000	0.023	0.1528	0.0015	0.0001	5.85E-08	0.5837	0.0083	7.07E-08
75	*	*	0.00	0.000	0.000	0.1528	0.0013	0.0001	5.22E-08	0.5836	0.0083	7.06E-08
76	*	*	0.00	0.000	0.020	0.1528	0.0011	0.0001	4.69E-08	0.5835	0.0083	7.06E-08
77		*	0.00	0.000	0.103	0.1528	0.0009	0.0001	4.23E-08	0.5834	0.0083	7.06E-08
78		*	0.00	0.000	0.000	0.1528	0.0008	0.0000	3.83E-08	0.5833	0.0083	7.06E-08
79		*	0.00	0.000	0.002	0.1529	0.0007	0.0000	3.49E-08	0.5832	0.0083	7.06E-08
80		*	0.02	0.000	0.003	0.1535	0.0006	0.0000	3.19E-08	0.5832	0.0083	7.06E-08
81		*	0.00	0.000	0.000	0.1535	0.0005	0.0000	2.94E-08	0.5831	0.0083	7.06E-08
82		*	0.00	0.000	0.000	0.1535	0.0004	0.0000	2.72E-08	0.5830	0.0083	7.06E-08
83	*	*	0.00	0.000	0.000	0.1535	0.0004	0.0000	2.53E-08	0.5829	0.0083	7.06E-08
84	*	*	0.04	0.000	0.018	0.1535	0.0003	0.0000	2.37E-08	0.5828	0.0083	7.05E-08
85	*	*	0.14	0.000	0.037	0.1535	0.0003	0.0000	2.23E-08	0.5827	0.0083	7.05E-08
86	*	*	0.02	0.000	0.000	0.1535	0.0002	0.0000	2.11E-08	0.5826	0.0083	7.05E-08
87	*	*	0.00	0.000	0.052	0.1535	0.0002	0.0000	2.00E-08	0.5825	0.0083	7.05E-08
88	*	*	0.35	0.000	0.000	0.1535	0.0002	0.0000	1.91E-08	0.5824	0.0083	7.05E-08
89	*	*	0.38	0.000	0.010	0.1535	0.0002	0.0000	1.84E-08	0.5823	0.0083	7.05E-08
90	*	*	0.00	0.000	0.021	0.1535	0.0001	0.0000	1.77E-08	0.5823	0.0082	7.05E-08
91		*	0.00	0.000	0.029	0.1556	0.0001	0.0000	1.71E-08	0.5822	0.0082	7.05E-08
92		*	0.00	0.225	0.034	0.1741	0.0001	0.0000	1.66E-08	0.5821	0.0082	7.05E-08
93		*	0.00	0.000	0.000	0.1741	0.0001	0.0000	1.62E-08	0.5820	0.0082	7.05E-08
94		*	0.03	0.000	0.002	0.1754	0.0001	0.0000	1.59E-08	0.5819	0.0082	7.04E-08
95		*	0.01	0.000	0.002	0.1757	0.0001	0.0000	1.55E-08	0.5818	0.0082	7.04E-08
96		*	0.40	0.090	0.002	0.1887	0.0001	0.0000	1.53E-08	0.5817	0.0082	7.04E-08
97		*	0.00	0.000	0.000	0.1887	0.0000	0.0000	1.50E-08	0.5816	0.0082	7.04E-08
98		*	0.00	0.000	0.000	0.1887	0.0000	0.0000	1.48E-08	0.5815	0.0082	7.04E-08
99		*	0.00	0.000	0.000	0.1887	0.0000	0.0000	1.47E-08	0.5814	0.0082	7.04E-08
100			0.00	0.000	0.174	0.1797	0.7602	0.0414	2.40E-05	0.5814	0.0082	7.04E-08
101			0.02	0.000	0.252	0.1637	2.7489	0.1498	8.78E-05	0.5814	0.0082	7.04E-08
102			0.00	0.000	0.224	0.1481	2.7764	0.1513	8.87E-05	0.5815	0.0082	7.04E-08
103			0.00	0.000	0.130	0.1368	2.5844	0.1409	8.24E-05	0.5816	0.0082	7.04E-08

104		0.00	0.000	0.054	0.1291	2.3845	0.1300	7.59E-05	0.5816	0.0082	7.04E-08
105	*	0.00	0.000	0.000	0.1240	2.2311	0.1216	7.10E-05	0.5817	0.0082	7.04E-08
106	*	0.00	0.000	0.000	0.1194	2.0509	0.1118	6.51E-05	0.5816	0.0082	7.04E-08
107	*	0.06	0.000	0.101	0.1134	1.8639	0.1016	5.91E-05	0.5816	0.0082	7.04E-08
108		0.21	0.000	0.037	0.1170	1.6795	0.0916	5.32E-05	0.5815	0.0082	7.04E-08
109		0.19	0.000	0.033	0.1201	1.5067	0.0821	4.76E-05	0.5814	0.0082	7.04E-08
110		0.17	0.000	0.179	0.1166	1.3616	0.0742	4.30E-05	0.5813	0.0082	7.04E-08
111		0.00	0.000	0.141	0.1080	1.2216	0.0666	3.85E-05	0.5812	0.0082	7.03E-08
112		0.00	0.000	0.130	0.1002	1.0626	0.0579	3.34E-05	0.5810	0.0082	7.03E-08
113		1.13	0.000	0.056	0.1426	0.9592	0.0523	3.02E-05	0.5808	0.0082	7.03E-08
114		0.00	0.000	0.128	0.1353	0.8768	0.0478	2.75E-05	0.5807	0.0082	7.03E-08
115		0.03	0.000	0.365	0.1195	0.8010	0.0437	2.51E-05	0.5805	0.0082	7.03E-08
116		0.30	0.000	0.088	0.1265	0.7304	0.0398	2.29E-05	0.5803	0.0082	7.02E-08
117		0.00	0.000	0.292	0.1128	0.6839	0.0373	2.14E-05	0.5801	0.0082	7.02E-08
118		0.00	0.000	0.129	0.1061	0.6124	0.0334	1.92E-05	0.5800	0.0082	7.02E-08
119		0.00	0.000	0.054	0.1026	0.5531	0.0302	1.73E-05	0.5798	0.0082	7.02E-08
120		0.00	0.000	0.041	0.0997	0.5043	0.0275	1.58E-05	0.5796	0.0082	7.02E-08
121		0.00	0.000	0.035	0.0972	0.4564	0.0249	1.43E-05	0.5794	0.0082	7.01E-08
122		0.00	0.000	0.031	0.0950	0.4099	0.0223	1.28E-05	0.5792	0.0082	7.01E-08
123		0.11	0.000	0.030	0.0977	0.3582	0.0195	1.12E-05	0.5790	0.0082	7.01E-08
124		0.03	0.000	0.027	0.0970	0.3086	0.0168	9.64E-06	0.5789	0.0082	7.01E-08
125		0.00	0.000	0.024	0.0955	0.2660	0.0145	8.30E-06	0.5787	0.0082	7.00E-08
126		0.00	0.000	0.022	0.0940	0.2306	0.0126	7.19E-06	0.5785	0.0082	7.00E-08
127		0.29	0.000	0.023	0.1047	0.2092	0.0114	6.53E-06	0.5783	0.0082	7.00E-08
128	*	0.09	0.000	0.029	0.1051	0.1942	0.0106	6.06E-06	0.5781	0.0082	7.00E-08
129	*	0.00	0.000	0.030	0.1052	0.1819	0.0099	5.67E-06	0.5780	0.0082	7.00E-08
130	*	0.16	0.000	0.040	0.1056	0.1739	0.0095	5.42E-06	0.5778	0.0082	6.99E-08
131	*	0.00	0.000	0.029	0.1061	0.1681	0.0092	5.24E-06	0.5777	0.0082	6.99E-08
132	*	0.02	0.000	0.021	0.1065	0.1636	0.0089	5.10E-06	0.5775	0.0082	6.99E-08
133	*	0.05	0.000	0.000	0.1070	0.1594	0.0087	4.97E-06	0.5774	0.0082	6.99E-08
134		0.07	0.000	0.196	0.1041	0.1591	0.0087	4.96E-06	0.5772	0.0082	6.99E-08
135		0.00	0.000	0.194	0.0956	0.1644	0.0090	5.12E-06	0.5771	0.0082	6.98E-08
136	*	0.00	0.000	0.130	0.0898	0.1661	0.0091	5.18E-06	0.5769	0.0082	6.98E-08
137		0.00	0.000	0.054	0.0872	0.1519	0.0083	4.73E-06	0.5768	0.0082	6.98E-08
138		0.07	0.000	0.044	0.0878	0.1308	0.0071	4.08E-06	0.5767	0.0082	6.98E-08
139		0.05	0.000	0.037	0.0880	0.1163	0.0063	3.62E-06	0.5765	0.0082	6.98E-08
140	*	1.20	0.000	0.031	0.0886	0.1116	0.0061	3.48E-06	0.5764	0.0082	6.98E-08

141		0.00	0.000	0.000	0.1362	0.1119	0.0061	3.48E-06	0.5763	0.0082	6.97E-08
142		0.00	0.000	0.198	0.1277	0.1084	0.0059	3.38E-06	0.5761	0.0082	6.97E-08
143		0.18	0.000	0.126	0.1295	0.1199	0.0065	3.74E-06	0.5760	0.0082	6.97E-08
144		0.01	0.000	0.117	0.1249	0.1266	0.0069	3.95E-06	0.5759	0.0082	6.97E-08
145		0.00	0.000	0.197	0.1164	0.1130	0.0062	3.52E-06	0.5758	0.0082	6.97E-08
146		0.18	0.000	0.163	0.1170	0.1048	0.0057	3.26E-06	0.5757	0.0082	6.97E-08
147		0.00	0.000	0.126	0.1115	0.1240	0.0068	3.86E-06	0.5756	0.0082	6.97E-08
148		0.08	0.000	0.133	0.1088	0.1419	0.0077	4.42E-06	0.5754	0.0082	6.96E-08
149	*	0.26	0.000	0.056	0.1093	0.1614	0.0088	5.03E-06	0.5753	0.0082	6.96E-08
150	*	0.02	0.000	0.066	0.1097	0.1880	0.0102	5.86E-06	0.5752	0.0081	6.96E-08
151	*	0.00	0.000	0.071	0.1101	0.1891	0.0103	5.90E-06	0.5751	0.0081	6.96E-08
152		0.00	0.000	0.188	0.1029	0.1909	0.0104	5.95E-06	0.5750	0.0081	6.96E-08
153		0.44	0.000	0.058	0.1184	0.1879	0.0102	5.86E-06	0.5749	0.0081	6.96E-08
154		0.00	0.000	0.349	0.1035	0.1958	0.0107	6.11E-06	0.5748	0.0081	6.96E-08
155		0.35	0.000	0.044	0.1157	0.2061	0.0112	6.43E-06	0.5747	0.0081	6.96E-08
156		0.00	0.000	0.188	0.1075	0.1964	0.0107	6.13E-06	0.5746	0.0081	6.96E-08
157		0.12	0.000	0.153	0.1058	0.1976	0.0108	6.16E-06	0.5745	0.0081	6.95E-08
158		0.77	0.000	0.134	0.1321	0.1796	0.0098	5.60E-06	0.5744	0.0081	6.95E-08
159		0.01	0.000	0.136	0.1263	0.1796	0.0098	5.60E-06	0.5743	0.0081	6.95E-08
160		0.00	0.000	0.356	0.1110	0.1800	0.0098	5.61E-06	0.5742	0.0081	6.95E-08
161		0.00	0.000	0.385	0.0946	0.1742	0.0095	5.43E-06	0.5741	0.0081	6.95E-08
162		0.00	0.000	0.135	0.0885	0.2041	0.0111	6.37E-06	0.5741	0.0081	6.95E-08
163		0.00	0.000	0.059	0.0856	0.2144	0.0117	6.69E-06	0.5740	0.0081	6.95E-08
164		0.32	0.000	0.047	0.0966	0.2118	0.0115	6.61E-06	0.5739	0.0081	6.95E-08
165		0.41	0.000	0.039	0.1117	0.2030	0.0111	6.33E-06	0.5738	0.0081	6.94E-08
166		0.01	0.000	0.221	0.1023	0.1930	0.0105	6.02E-06	0.5737	0.0081	6.94E-08
167		0.05	0.000	0.038	0.1022	0.1807	0.0099	5.64E-06	0.5736	0.0081	6.94E-08
168		0.06	0.000	0.033	0.1028	0.1553	0.0085	4.84E-06	0.5735	0.0081	6.94E-08
169		0.02	0.000	0.030	0.1020	0.1337	0.0073	4.17E-06	0.5734	0.0081	6.94E-08
170		0.09	0.000	0.030	0.1044	0.1195	0.0065	3.72E-06	0.5733	0.0081	6.94E-08
171		0.22	0.000	0.200	0.1049	0.1193	0.0065	3.72E-06	0.5732	0.0081	6.94E-08
172		0.00	0.000	0.219	0.0955	0.1171	0.0064	3.65E-06	0.5731	0.0081	6.94E-08
173		0.16	0.000	0.135	0.0963	0.1040	0.0057	3.24E-06	0.5730	0.0081	6.93E-08
174		0.22	0.000	0.063	0.1027	0.1058	0.0058	3.29E-06	0.5729	0.0081	6.93E-08
175		0.15	0.000	0.290	0.0968	0.1050	0.0057	3.27E-06	0.5728	0.0081	6.93E-08
176		0.22	0.000	0.053	0.1035	0.1060	0.0058	3.30E-06	0.5727	0.0081	6.93E-08
177		0.00	0.000	0.212	0.0944	0.1154	0.0063	3.59E-06	0.5726	0.0081	6.93E-08

178	0.00	0.000	0.041	0.0924	0.1202	0.0066	3.74E-06	0.5725	0.0081	6.93E-08
179	0.00	0.000	0.039	0.0905	0.1328	0.0072	4.14E-06	0.5724	0.0081	6.93E-08
180	0.00	0.000	0.042	0.0884	0.1378	0.0075	4.29E-06	0.5723	0.0081	6.93E-08
181	0.00	0.000	0.035	0.0866	0.1381	0.0075	4.30E-06	0.5722	0.0081	6.93E-08
182	0.00	0.000	0.037	0.0848	0.1359	0.0074	4.24E-06	0.5721	0.0081	6.92E-08
183	0.06	0.000	0.040	0.0852	0.1315	0.0072	4.10E-06	0.5720	0.0081	6.92E-08
184	0.09	0.000	0.031	0.0873	0.1264	0.0069	3.94E-06	0.5719	0.0081	6.92E-08
185	0.00	0.000	0.028	0.0859	0.1215	0.0066	3.79E-06	0.5718	0.0081	6.92E-08
186	0.00	0.000	0.029	0.0844	0.1162	0.0063	3.62E-06	0.5717	0.0081	6.92E-08
187	0.00	0.000	0.037	0.0826	0.1139	0.0062	3.55E-06	0.5716	0.0081	6.92E-08
188	0.36	0.000	0.030	0.0961	0.1113	0.0061	3.47E-06	0.5715	0.0081	6.92E-08
189	0.10	0.000	0.131	0.0946	0.1089	0.0059	3.39E-06	0.5714	0.0081	6.92E-08
190	0.06	0.000	0.351	0.0823	0.1118	0.0061	3.48E-06	0.5713	0.0081	6.91E-08
191	0.25	0.000	0.160	0.0859	0.1149	0.0063	3.58E-06	0.5712	0.0081	6.91E-08
192	0.00	0.000	0.071	0.0827	0.1092	0.0059	3.40E-06	0.5711	0.0081	6.91E-08
193	0.00	0.000	0.063	0.0798	0.1008	0.0055	3.14E-06	0.5710	0.0081	6.91E-08
194	0.00	0.000	0.057	0.0772	0.0929	0.0051	2.89E-06	0.5709	0.0081	6.91E-08
195	0.00	0.000	0.049	0.0750	0.0853	0.0046	2.66E-06	0.5708	0.0081	6.91E-08
196	0.00	0.000	0.047	0.0728	0.0781	0.0043	2.43E-06	0.5707	0.0081	6.91E-08
197	0.00	0.000	0.057	0.0704	0.0718	0.0039	2.24E-06	0.5706	0.0081	6.91E-08
198	0.00	0.000	0.041	0.0685	0.0661	0.0036	2.06E-06	0.5705	0.0081	6.90E-08
199	0.00	0.000	0.037	0.0668	0.0605	0.0033	1.88E-06	0.5704	0.0081	6.90E-08
200	0.28	0.000	0.066	0.0755	0.0559	0.0030	1.74E-06	0.5703	0.0081	6.90E-08
201	0.00	0.000	0.041	0.0737	0.0517	0.0028	1.61E-06	0.5702	0.0081	6.90E-08
202	0.00	0.000	0.042	0.0718	0.0468	0.0026	1.46E-06	0.5701	0.0081	6.90E-08
203	0.33	0.000	0.039	0.0839	0.0432	0.0024	1.35E-06	0.5700	0.0081	6.90E-08
204	0.01	0.000	0.237	0.0743	0.0385	0.0021	1.20E-06	0.5699	0.0081	6.90E-08
205	0.00	0.000	0.060	0.0718	0.0346	0.0019	1.08E-06	0.5698	0.0081	6.90E-08
206	0.31	0.000	0.043	0.0830	0.0439	0.0024	1.37E-06	0.5697	0.0081	6.89E-08
207	0.00	0.000	0.244	0.0726	0.0882	0.0048	2.75E-06	0.5696	0.0081	6.89E-08
208	0.00	0.000	0.250	0.0620	0.1155	0.0063	3.60E-06	0.5695	0.0081	6.89E-08
209	0.18	0.000	0.196	0.0611	0.0966	0.0053	3.01E-06	0.5694	0.0081	6.89E-08
210	0.80	0.000	0.130	0.0886	0.0879	0.0048	2.74E-06	0.5694	0.0081	6.89E-08
211	0.23	0.000	0.209	0.0891	0.1176	0.0064	3.67E-06	0.5693	0.0081	6.89E-08
212	0.01	0.000	0.259	0.0787	0.1076	0.0059	3.35E-06	0.5692	0.0081	6.89E-08
213	0.04	0.000	0.260	0.0693	0.0861	0.0047	2.68E-06	0.5691	0.0081	6.89E-08
214	0.56	0.000	0.227	0.0830	0.0663	0.0036	2.06E-06	0.5690	0.0081	6.89E-08

215	0.12	0.000	0.232	0.0782	0.0603	0.0033	1.88E-06	0.5689	0.0081	6.88E-08
216	0.30	0.000	0.268	0.0795	0.0737	0.0040	2.30E-06	0.5688	0.0081	6.88E-08
217	0.84	0.000	0.107	0.1097	0.0934	0.0051	2.91E-06	0.5687	0.0081	6.88E-08
218	0.00	0.000	0.106	0.1051	0.0871	0.0047	2.71E-06	0.5686	0.0081	6.88E-08
219	0.16	0.000	0.257	0.1009	0.0843	0.0046	2.62E-06	0.5685	0.0081	6.88E-08
220	0.00	0.000	0.262	0.0898	0.0632	0.0034	1.97E-06	0.5684	0.0081	6.88E-08
221	0.00	0.000	0.226	0.0803	0.0612	0.0033	1.90E-06	0.5683	0.0081	6.88E-08
222	0.03	0.000	0.229	0.0721	0.0407	0.0022	1.27E-06	0.5682	0.0080	6.88E-08
223	0.00	0.000	0.197	0.0640	0.0242	0.0013	7.58E-07	0.5681	0.0080	6.87E-08
224	0.24	0.000	0.188	0.0660	0.0017	0.0000	0.00E+00	0.5680	0.0080	6.87E-08
225	0.01	0.000	0.185	0.0586	0.0000	0.0000	0.00E+00	0.5679	0.0080	6.87E-08
226	0.00	0.000	0.182	0.0510	0.0000	0.0000	0.00E+00	0.5678	0.0080	6.87E-08
227	0.16	0.000	0.119	0.0526	0.0000	0.0000	0.00E+00	0.5677	0.0080	6.87E-08
228	0.00	0.000	0.267	0.0415	0.0000	0.0000	0.00E+00	0.5676	0.0080	6.87E-08
229	1.42	0.000	0.194	0.0924	0.0000	0.0000	0.00E+00	0.5675	0.0080	6.87E-08
230	0.16	0.000	0.114	0.0941	0.0000	0.0000	0.00E+00	0.5673	0.0080	6.87E-08
231	0.34	0.000	0.221	0.0993	0.0000	0.0000	0.00E+00	0.5672	0.0080	6.86E-08
232	0.13	0.000	0.246	0.0945	0.0000	0.0000	0.00E+00	0.5671	0.0080	6.86E-08
233	0.37	0.000	0.210	0.1012	0.0000	0.0000	0.00E+00	0.5670	0.0080	6.86E-08
234	0.00	0.000	0.223	0.0919	0.0000	0.0000	0.00E+00	0.5669	0.0080	6.86E-08
235	0.35	0.000	0.235	0.0969	0.0000	0.0000	0.00E+00	0.5668	0.0080	6.86E-08
236	0.02	0.000	0.198	0.0892	0.0000	0.0000	0.00E+00	0.5667	0.0080	6.86E-08
237	0.00	0.000	0.208	0.0805	0.0123	0.0007	3.90E-07	0.5666	0.0080	6.86E-08
238	0.00	0.000	0.202	0.0721	0.0124	0.0006	3.73E-07	0.5665	0.0080	6.86E-08
239	0.00	0.000	0.111	0.0675	0.0000	0.0000	0.00E+00	0.5664	0.0080	6.85E-08
240	0.00	0.000	0.152	0.0612	0.0025	0.0001	7.98E-08	0.5663	0.0080	6.85E-08
241	0.48	0.000	0.216	0.0719	0.0438	0.0024	1.37E-06	0.5662	0.0080	6.85E-08
242	0.55	0.000	0.094	0.0908	0.0766	0.0042	2.39E-06	0.5661	0.0080	6.85E-08
243	0.08	0.000	0.075	0.0909	0.0879	0.0048	2.74E-06	0.5661	0.0080	6.85E-08
244	0.00	0.000	0.133	0.0851	0.0994	0.0054	3.10E-06	0.5660	0.0080	6.85E-08
245	0.02	0.000	0.083	0.0821	0.1081	0.0059	3.37E-06	0.5659	0.0080	6.85E-08
246	0.00	0.000	0.109	0.0773	0.0944	0.0051	2.94E-06	0.5658	0.0080	6.85E-08
247	0.00	0.000	0.123	0.0720	0.0731	0.0040	2.28E-06	0.5657	0.0080	6.85E-08
248	0.08	0.000	0.091	0.0715	0.0457	0.0025	1.42E-06	0.5656	0.0080	6.84E-08
249	0.02	0.000	0.100	0.0680	0.0409	0.0022	1.27E-06	0.5655	0.0080	6.84E-08
250	0.04	0.000	0.078	0.0664	0.0445	0.0024	1.38E-06	0.5654	0.0080	6.84E-08
251	0.31	0.000	0.118	0.0744	0.0318	0.0017	9.92E-07	0.5653	0.0080	6.84E-08

252		0.03	0.000	0.180	0.0681	0.0287	0.0016	8.98E-07	0.5652	0.0080	6.84E-08
253		0.00	0.000	0.078	0.0647	0.0542	0.0030	1.69E-06	0.5651	0.0080	6.84E-08
254		0.00	0.000	0.167	0.0576	0.0734	0.0040	2.29E-06	0.5650	0.0080	6.84E-08
255		0.00	0.000	0.167	0.0505	0.0852	0.0046	2.65E-06	0.5649	0.0080	6.84E-08
256		0.00	0.000	0.116	0.0454	0.1004	0.0055	3.13E-06	0.5648	0.0080	6.83E-08
257		0.00	0.000	0.092	0.0413	0.1051	0.0057	3.27E-06	0.5647	0.0080	6.83E-08
258		0.00	0.000	0.052	0.0389	0.1140	0.0062	3.55E-06	0.5646	0.0080	6.83E-08
259		0.00	0.000	0.022	0.0377	0.0921	0.0050	2.87E-06	0.5645	0.0080	6.83E-08
260		0.00	0.000	0.012	0.0372	0.0337	0.0018	1.05E-06	0.5644	0.0080	6.83E-08
261		0.00	0.000	0.008	0.0369	0.0047	0.0002	1.45E-07	0.5643	0.0080	6.83E-08
262		0.00	0.000	0.026	0.0359	0.0000	0.0000	0.00E+00	0.5642	0.0080	6.83E-08
263		0.59	0.000	0.063	0.0578	0.0000	0.0000	0.00E+00	0.5641	0.0080	6.83E-08
264		0.18	0.000	0.099	0.0610	0.0000	0.0000	0.00E+00	0.5639	0.0080	6.82E-08
265		0.13	0.000	0.108	0.0621	0.0000	0.0000	0.00E+00	0.5638	0.0080	6.82E-08
266		0.08	0.000	0.113	0.0606	0.0000	0.0000	0.00E+00	0.5637	0.0080	6.82E-08
267		0.07	0.000	0.048	0.0614	0.0000	0.0000	0.00E+00	0.5636	0.0080	6.82E-08
268		0.72	0.000	0.116	0.0864	0.0000	0.0000	0.00E+00	0.5635	0.0080	6.82E-08
269		0.00	0.000	0.037	0.0849	0.0000	0.0000	0.00E+00	0.5634	0.0080	6.82E-08
270	*	0.00	0.000	0.024	0.0839	0.0000	0.0000	0.00E+00	0.5633	0.0080	6.82E-08
271		0.12	0.000	0.056	0.0867	0.0000	0.0000	0.00E+00	0.5632	0.0080	6.82E-08
272	*	0.00	0.000	0.021	0.0859	0.0000	0.0000	0.00E+00	0.5631	0.0080	6.81E-08
273	*	0.00	0.000	0.000	0.0859	0.0000	0.0000	0.00E+00	0.5630	0.0080	6.81E-08
274	*	0.00	0.000	0.000	0.0859	0.0000	0.0000	0.00E+00	0.5629	0.0080	6.81E-08
275	*	0.00	0.000	0.000	0.0859	0.0000	0.0000	0.00E+00	0.5628	0.0080	6.81E-08
276	*	0.00	0.000	0.000	0.0859	0.0000	0.0000	0.00E+00	0.5627	0.0080	6.81E-08
277	*	0.00	0.000	0.000	0.0859	0.0000	0.0000	0.00E+00	0.5626	0.0080	6.81E-08
278	*	0.01	0.000	0.006	0.0863	0.0000	0.0000	0.00E+00	0.5625	0.0080	6.81E-08
279	*	0.04	0.000	0.057	0.0854	0.0000	0.0000	0.00E+00	0.5624	0.0080	6.80E-08
280		0.15	0.000	0.048	0.0896	0.0000	0.0000	0.00E+00	0.5623	0.0080	6.80E-08
281		0.00	0.000	0.033	0.0882	0.0000	0.0000	0.00E+00	0.5622	0.0080	6.80E-08
282	*	0.00	0.000	0.000	0.0882	0.0000	0.0000	0.00E+00	0.5621	0.0080	6.80E-08
283		0.00	0.000	0.042	0.0865	0.0000	0.0000	0.00E+00	0.5620	0.0080	6.80E-08
284		0.08	0.000	0.040	0.0882	0.0000	0.0000	0.00E+00	0.5619	0.0080	6.80E-08
285		0.06	0.000	0.067	0.0879	0.0000	0.0000	0.00E+00	0.5618	0.0080	6.80E-08
286		0.00	0.000	0.093	0.0840	0.0000	0.0000	0.00E+00	0.5617	0.0080	6.80E-08
287		0.02	0.000	0.053	0.0825	0.0000	0.0000	0.00E+00	0.5616	0.0080	6.79E-08
288	*	0.23	0.000	0.021	0.0833	0.0021	0.0001	7.95E-08	0.5615	0.0080	6.79E-08

289			0.47	0.000	0.009	0.1105	0.0028	0.0002	1.01E-07	0.5614	0.0080	6.79E-08
290	*		0.00	0.000	0.024	0.1095	0.0088	0.0005	2.84E-07	0.5613	0.0080	6.79E-08
291	*		0.00	0.000	0.036	0.1079	0.0076	0.0004	2.46E-07	0.5612	0.0080	6.79E-08
292			0.00	0.000	0.078	0.1047	0.0065	0.0004	2.14E-07	0.5611	0.0079	6.79E-08
293	*		0.00	0.000	0.026	0.1036	0.0056	0.0003	1.86E-07	0.5610	0.0079	6.79E-08
294	*		0.00	0.000	0.000	0.1036	0.0048	0.0003	1.62E-07	0.5608	0.0079	6.79E-08
295	*		0.00	0.000	0.000	0.1035	0.0042	0.0002	1.41E-07	0.5607	0.0079	6.78E-08
296	*		0.06	0.000	0.009	0.1044	0.0036	0.0002	1.24E-07	0.5606	0.0079	6.78E-08
297			0.01	0.000	0.061	0.1035	0.0060	0.0003	1.99E-07	0.5605	0.0079	6.78E-08
298			0.00	0.000	0.031	0.1021	0.0308	0.0017	9.61E-07	0.5604	0.0079	6.78E-08
299			0.00	0.000	0.089	0.0984	0.0674	0.0037	2.10E-06	0.5603	0.0079	6.78E-08
300			0.21	0.000	0.089	0.1034	0.1191	0.0065	3.71E-06	0.5602	0.0079	6.78E-08
301	*		0.00	0.000	0.027	0.1019	0.1506	0.0082	4.69E-06	0.5602	0.0079	6.78E-08
302			0.00	0.000	0.039	0.1000	0.1444	0.0079	4.50E-06	0.5601	0.0079	6.78E-08
303	*		0.00	0.000	0.000	0.0996	0.1496	0.0082	4.66E-06	0.5600	0.0079	6.78E-08
304			0.00	0.000	0.042	0.0975	0.1595	0.0087	4.97E-06	0.5599	0.0079	6.77E-08
305			0.00	0.000	0.054	0.0949	0.1659	0.0090	5.17E-06	0.5598	0.0079	6.77E-08
306			0.00	0.000	0.062	0.0919	0.1777	0.0097	5.54E-06	0.5597	0.0079	6.77E-08
307			0.00	0.000	0.066	0.0887	0.2000	0.0109	6.24E-06	0.5596	0.0079	6.77E-08
308	*		0.00	0.000	0.021	0.0874	0.2029	0.0111	6.33E-06	0.5595	0.0079	6.77E-08
309	*		0.25	0.000	0.008	0.0878	0.1877	0.0102	5.85E-06	0.5594	0.0079	6.77E-08
310			0.00	0.000	0.022	0.0956	0.1691	0.0092	5.27E-06	0.5593	0.0079	6.77E-08
311			0.06	0.000	0.056	0.0956	0.1621	0.0088	5.05E-06	0.5592	0.0079	6.77E-08
312			0.22	0.000	0.134	0.0990	0.1674	0.0091	5.22E-06	0.5591	0.0079	6.76E-08
313			0.20	0.000	0.062	0.1043	0.1507	0.0082	4.70E-06	0.5590	0.0079	6.76E-08
314	*		0.24	0.000	0.019	0.1048	0.1330	0.0072	4.14E-06	0.5589	0.0079	6.76E-08
315	*		0.00	0.000	0.008	0.1053	0.1232	0.0067	3.84E-06	0.5588	0.0079	6.76E-08
316	*		0.00	0.000	0.008	0.1059	0.1153	0.0063	3.59E-06	0.5587	0.0079	6.76E-08
317	*		0.00	0.000	0.017	0.1065	0.1128	0.0061	3.51E-06	0.5586	0.0079	6.76E-08
318	*		0.00	0.000	0.007	0.1070	0.1116	0.0061	3.48E-06	0.5584	0.0079	6.76E-08
319	*	*	0.00	0.000	0.003	0.1068	0.1041	0.0057	3.24E-06	0.5583	0.0079	6.76E-08
320	*	*	0.00	0.000	0.006	0.1066	0.0897	0.0049	2.79E-06	0.5582	0.0079	6.75E-08
321	*	*	0.00	0.000	0.002	0.1064	0.0772	0.0042	2.41E-06	0.5581	0.0079	6.75E-08
322	*	*	0.00	0.000	0.001	0.1063	0.0665	0.0036	2.07E-06	0.5580	0.0079	6.75E-08
323	*	*	0.00	0.000	0.005	0.1061	0.0573	0.0031	1.78E-06	0.5579	0.0079	6.75E-08
324	*	*	0.00	0.000	0.008	0.1060	0.0493	0.0027	1.54E-06	0.5578	0.0079	6.75E-08
325	*	*	0.00	0.000	0.008	0.1059	0.0425	0.0023	1.32E-06	0.5577	0.0079	6.75E-08

326	*	*	0.00	0.000	0.014	0.1058	0.0366	0.0020	1.14E-06	0.5576	0.0079	6.75E-08
327	*	*	0.00	0.000	0.013	0.1058	0.0315	0.0017	9.84E-07	0.5575	0.0079	6.74E-08
328	*	*	0.00	0.000	0.018	0.1057	0.0271	0.0015	8.49E-07	0.5573	0.0079	6.74E-08
329	*	*	0.00	0.000	0.009	0.1057	0.0234	0.0013	7.33E-07	0.5572	0.0079	6.74E-08
330	*	*	0.00	0.000	0.000	0.1056	0.0201	0.0011	6.33E-07	0.5571	0.0079	6.74E-08
331	*	*	0.00	0.000	0.000	0.1056	0.0173	0.0009	5.47E-07	0.5570	0.0079	6.74E-08
332	*	*	0.00	0.000	0.000	0.1055	0.0149	0.0008	4.73E-07	0.5569	0.0079	6.74E-08
333	*	*	0.01	0.000	0.006	0.1055	0.0129	0.0007	4.09E-07	0.5568	0.0079	6.74E-08
334	*	*	0.03	0.000	0.005	0.1055	0.0111	0.0006	3.54E-07	0.5567	0.0079	6.74E-08
335	*	*	0.36	0.000	0.001	0.1055	0.0095	0.0005	3.07E-07	0.5566	0.0079	6.73E-08
336	*	*	0.01	0.000	0.000	0.1054	0.0082	0.0004	2.66E-07	0.5565	0.0079	6.73E-08
337	*	*	0.00	0.000	0.003	0.1054	0.0071	0.0004	2.31E-07	0.5564	0.0079	6.73E-08
338	*	*	0.00	0.000	0.000	0.1054	0.0061	0.0003	2.01E-07	0.5562	0.0079	6.73E-08
339	*	*	0.00	0.000	0.000	0.1054	0.0052	0.0003	1.75E-07	0.5561	0.0079	6.73E-08
340	*	*	0.00	0.000	0.015	0.1054	0.0045	0.0002	1.53E-07	0.5560	0.0079	6.73E-08
341	*	*	0.06	0.000	0.020	0.1054	0.0039	0.0002	1.33E-07	0.5559	0.0079	6.73E-08
342		*	0.00	0.000	0.000	0.1078	0.0034	0.0002	1.17E-07	0.5558	0.0079	6.72E-08
343		*	0.02	0.028	0.000	0.1227	0.0029	0.0002	1.02E-07	0.5557	0.0079	6.72E-08
344		*	0.07	0.000	0.008	0.1254	0.0025	0.0001	9.02E-08	0.5556	0.0079	6.72E-08
345	*	*	0.19	0.000	0.024	0.1254	0.0021	0.0001	7.93E-08	0.5555	0.0079	6.72E-08
346	*	*	0.00	0.000	0.024	0.1254	0.0018	0.0001	7.03E-08	0.5554	0.0079	6.72E-08
347	*	*	0.06	0.000	0.018	0.1254	0.0016	0.0001	6.25E-08	0.5553	0.0079	6.72E-08
348		*	0.01	0.001	0.016	0.1330	0.0014	0.0001	5.57E-08	0.5552	0.0079	6.72E-08
349		*	0.01	0.000	0.006	0.1333	0.0012	0.0001	4.98E-08	0.5551	0.0079	6.72E-08
350	*	*	0.00	0.000	0.000	0.1333	0.0010	0.0001	4.48E-08	0.5550	0.0079	6.71E-08
351		*	0.00	0.000	0.000	0.1333	0.0009	0.0000	4.05E-08	0.5549	0.0079	6.71E-08
352		*	0.34	0.037	0.007	0.1457	0.0008	0.0000	3.68E-08	0.5548	0.0079	6.71E-08
353	*	*	0.00	0.000	0.000	0.1457	0.0006	0.0000	3.35E-08	0.5547	0.0079	6.71E-08
354	*	*	0.00	0.000	0.000	0.1457	0.0006	0.0000	3.08E-08	0.5546	0.0079	6.71E-08
355	*	*	0.00	0.000	0.000	0.1457	0.0005	0.0000	2.84E-08	0.5545	0.0079	6.71E-08
356	*	*	0.00	0.000	0.000	0.1457	0.0004	0.0000	2.63E-08	0.5544	0.0079	6.71E-08
357	*	*	0.03	0.000	0.008	0.1457	0.0004	0.0000	2.46E-08	0.5543	0.0079	6.71E-08
358	*	*	0.00	0.000	0.004	0.1457	0.0003	0.0000	2.30E-08	0.5542	0.0079	6.70E-08
359	*	*	0.00	0.000	0.002	0.1457	0.0003	0.0000	2.17E-08	0.5541	0.0078	6.70E-08
360	*	*	0.00	0.000	0.015	0.1457	0.0002	0.0000	2.06E-08	0.5540	0.0078	6.70E-08
361	*	*	0.00	0.000	0.001	0.1457	0.0002	0.0000	1.96E-08	0.5539	0.0078	6.70E-08
362	*	*	0.00	0.000	0.000	0.1457	0.0002	0.0000	1.88E-08	0.5538	0.0078	6.70E-08

363		*	0.22	0.010	0.007	0.1540	0.0001	0.0000	1.81E-08	0.5537	0.0078	6.70E-08
364	*	*	0.00	0.000	0.000	0.1540	0.0001	0.0000	1.75E-08	0.5536	0.0078	6.70E-08
365	*	*	0.00	0.000	0.000	0.1540	0.0001	0.0000	1.69E-08	0.5535	0.0078	6.70E-08

* = Frozen (air or soil)

Annual Totals for Year 2			
	inches	cubic feet	percent
Precipitation	28.00	854,774.1	100.00
Runoff	0.448	13,689.7	1.60
Evapotranspiration	23.122	705,865.5	82.58
Drainage Collected from Layer 2	4.6853	143,033.8	16.73
Percolation/Leakage through Layer 3	0.002714	82.8	0.01
Average Head on Top of Layer 3	0.2355	---	---
Drainage Collected from Layer 5	2.9601	90,367.0	10.57
Percolation/Leakage through Layer 7	0.000025	0.7720	0.00
Average Head on Top of Layer 6	0.5724	---	---
Change in Water Storage	-3.2161	-98,182.7	-11.49
Soil Water at Start of Year	331.6518	##########	1184.50
Soil Water at End of Year	328.4357	##########	1173.01
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 3

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1540	0.0001	0.0000	1.65E-08	0.5534	0.0078	6.69E-08
2	*	*	0.02	0.000	0.003	0.1540	0.0001	0.0000	1.61E-08	0.5533	0.0078	6.69E-08
3	*	*	0.03	0.000	0.004	0.1540	0.0001	0.0000	1.57E-08	0.5531	0.0078	6.69E-08
4	*	*	0.01	0.000	0.004	0.1540	0.0001	0.0000	1.54E-08	0.5530	0.0078	6.69E-08
5	*	*	0.00	0.000	0.000	0.1540	0.0001	0.0000	1.52E-08	0.5529	0.0078	6.69E-08
6	*	*	0.01	0.000	0.006	0.1540	0.0000	0.0000	1.50E-08	0.5528	0.0078	6.69E-08
7	*	*	0.05	0.000	0.000	0.1540	0.0000	0.0000	1.48E-08	0.5527	0.0078	6.69E-08
8	*	*	0.00	0.000	0.025	0.1540	0.0000	0.0000	1.46E-08	0.5526	0.0078	6.69E-08
9	*	*	0.00	0.000	0.010	0.1540	0.0000	0.0000	1.45E-08	0.5525	0.0078	6.68E-08
10	*	*	0.00	0.000	0.016	0.1540	0.0000	0.0000	1.43E-08	0.5524	0.0078	6.68E-08
11	*	*	0.00	0.000	0.015	0.1540	0.0000	0.0000	1.42E-08	0.5523	0.0078	6.68E-08
12		*	0.00	0.000	0.032	0.1550	0.0000	0.0000	1.42E-08	0.5522	0.0078	6.68E-08
13		*	0.00	0.000	0.000	0.1550	0.0000	0.0000	1.41E-08	0.5521	0.0078	6.68E-08
14	*	*	0.00	0.000	0.000	0.1550	0.0000	0.0000	1.40E-08	0.5520	0.0078	6.68E-08
15		*	0.00	0.000	0.000	0.1550	0.0000	0.0000	1.40E-08	0.5519	0.0078	6.68E-08
16		*	0.00	0.000	0.000	0.1550	0.0000	0.0000	1.39E-08	0.5518	0.0078	6.68E-08
17	*	*	0.00	0.000	0.000	0.1550	0.0000	0.0000	1.39E-08	0.5517	0.0078	6.67E-08
18	*	*	0.04	0.000	0.007	0.1550	0.0000	0.0000	1.38E-08	0.5516	0.0078	6.67E-08
19	*	*	0.00	0.000	0.012	0.1550	0.0000	0.0000	1.38E-08	0.5515	0.0078	6.67E-08
20	*	*	0.00	0.000	0.018	0.1550	0.0000	0.0000	1.38E-08	0.5514	0.0078	6.67E-08
21	*	*	0.00	0.000	0.006	0.1550	0.0000	0.0000	1.37E-08	0.5513	0.0078	6.67E-08
22		*	0.00	0.000	0.000	0.1550	0.0000	0.0000	1.37E-08	0.5512	0.0078	6.67E-08
23		*	0.00	0.000	0.000	0.1550	0.0000	0.0000	1.37E-08	0.5511	0.0078	6.67E-08
24	*	*	0.32	0.000	0.022	0.1550	0.0000	0.0000	1.37E-08	0.5510	0.0078	6.67E-08
25	*	*	0.00	0.000	0.025	0.1550	0.0000	0.0000	1.37E-08	0.5509	0.0078	6.66E-08
26		*	0.00	0.001	0.015	0.1603	0.0000	0.0000	1.37E-08	0.5508	0.0078	6.66E-08
27	*	*	0.00	0.000	0.015	0.1603	0.0000	0.0000	1.37E-08	0.5507	0.0078	6.66E-08
28	*	*	0.00	0.000	0.022	0.1603	0.0000	0.0000	1.36E-08	0.5506	0.0078	6.66E-08
29	*	*	0.00	0.000	0.030	0.1603	0.0000	0.0000	1.36E-08	0.5505	0.0078	6.66E-08

30	*	*	0.00	0.000	0.022	0.1603	0.0000	0.0000	1.36E-08	0.5504	0.0078	6.66E-08
31	*	*	0.00	0.000	0.027	0.1603	0.0000	0.0000	1.36E-08	0.5503	0.0078	6.66E-08
32	*	*	0.00	0.000	0.011	0.1603	0.0000	0.0000	1.36E-08	0.5502	0.0078	6.66E-08
33	*	*	0.00	0.000	0.000	0.1603	0.0000	0.0000	1.36E-08	0.5501	0.0078	6.65E-08
34	*	*	0.00	0.000	0.000	0.1603	0.0000	0.0000	1.36E-08	0.5500	0.0078	6.65E-08
35	*	*	0.13	0.000	0.019	0.1603	0.0000	0.0000	1.36E-08	0.5499	0.0078	6.65E-08
36	*	*	0.07	0.000	0.024	0.1603	0.0000	0.0000	1.36E-08	0.5498	0.0078	6.65E-08
37	*	*	0.00	0.000	0.000	0.1603	0.0000	0.0000	1.36E-08	0.5497	0.0078	6.65E-08
38	*	*	0.00	0.000	0.014	0.1603	0.0000	0.0000	1.36E-08	0.5496	0.0078	6.65E-08
39	*	*	0.00	0.000	0.006	0.1603	0.0000	0.0000	1.36E-08	0.5495	0.0078	6.65E-08
40	*	*	0.00	0.000	0.026	0.1603	0.0000	0.0000	1.36E-08	0.5494	0.0078	6.65E-08
41	*	*	0.00	0.000	0.011	0.1603	0.0000	0.0000	1.29E-10	0.5493	0.0078	6.65E-08
42	*	*	0.00	0.000	0.005	0.1603	0.0000	0.0000	0.00E+00	0.5492	0.0078	6.64E-08
43	*	*	0.01	0.000	0.005	0.1603	0.0000	0.0000	0.00E+00	0.5491	0.0078	6.64E-08
44	*	*	0.05	0.000	0.004	0.1603	0.0000	0.0000	0.00E+00	0.5490	0.0078	6.64E-08
45	*	*	0.44	0.000	0.000	0.1603	0.0000	0.0000	0.00E+00	0.5489	0.0078	6.64E-08
46	*	*	0.00	0.000	0.014	0.1603	0.0000	0.0000	0.00E+00	0.5488	0.0078	6.64E-08
47	*	*	0.00	0.000	0.005	0.1603	0.0000	0.0000	0.00E+00	0.5487	0.0078	6.64E-08
48	*	*	0.00	0.000	0.021	0.1603	0.0000	0.0000	0.00E+00	0.5486	0.0078	6.64E-08
49		*	0.00	0.197	0.000	0.1754	0.0000	0.0000	0.00E+00	0.5485	0.0078	6.64E-08
50		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	0.00E+00	0.5484	0.0078	6.63E-08
51		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	0.00E+00	0.5483	0.0078	6.63E-08
52		*	0.01	0.000	0.004	0.1756	0.0000	0.0000	0.00E+00	0.5482	0.0078	6.63E-08
53		*	0.00	0.000	0.000	0.1756	0.0000	0.0000	0.00E+00	0.5481	0.0078	6.63E-08
54	*	*	0.00	0.000	0.000	0.1756	0.0000	0.0000	0.00E+00	0.5480	0.0078	6.63E-08
55	*	*	0.00	0.000	0.000	0.1756	0.0000	0.0000	0.00E+00	0.5479	0.0078	6.63E-08
56	*	*	0.00	0.000	0.000	0.1756	0.0000	0.0000	0.00E+00	0.5478	0.0078	6.63E-08
57	*	*	0.01	0.000	0.010	0.1756	0.0000	0.0000	0.00E+00	0.5477	0.0078	6.63E-08
58	*	*	0.00	0.000	0.000	0.1756	0.0000	0.0000	0.00E+00	0.5476	0.0078	6.62E-08
59	*	*	0.02	0.000	0.017	0.1756	0.0000	0.0000	0.00E+00	0.5475	0.0078	6.62E-08
60		*	0.00	0.000	0.000	0.1756	0.0000	0.0000	0.00E+00	0.5474	0.0078	6.62E-08
61		*	0.06	0.000	0.005	0.1778	0.0000	0.0000	0.00E+00	0.5473	0.0078	6.62E-08
62		*	0.00	0.000	0.000	0.1778	0.0000	0.0000	0.00E+00	0.5472	0.0078	6.62E-08
63		*	0.14	0.005	0.005	0.1833	0.0000	0.0000	0.00E+00	0.5471	0.0078	6.62E-08
64		*	0.10	0.000	0.005	0.1874	0.0000	0.0000	0.00E+00	0.5470	0.0078	6.62E-08
65		*	0.05	0.000	0.005	0.1892	0.0000	0.0000	0.00E+00	0.5469	0.0077	6.62E-08
66	*	*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5468	0.0077	6.61E-08

67	*	*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5467	0.0077	6.61E-08
68		*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5466	0.0077	6.61E-08
69	*	*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5465	0.0077	6.61E-08
70	*	*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5464	0.0077	6.61E-08
71	*	*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5463	0.0077	6.61E-08
72	*	*	0.01	0.000	0.001	0.1892	0.0000	0.0000	0.00E+00	0.5462	0.0077	6.61E-08
73	*	*	0.05	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5461	0.0077	6.61E-08
74		*	0.00	0.000	0.056	0.1892	0.0000	0.0000	0.00E+00	0.5460	0.0077	6.60E-08
75		*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5459	0.0077	6.60E-08
76	*	*	0.00	0.000	0.000	0.1892	0.0000	0.0000	0.00E+00	0.5458	0.0077	6.60E-08
77		*	0.07	0.000	0.004	0.1921	0.0000	0.0000	0.00E+00	0.5457	0.0077	6.60E-08
78		*	0.00	0.000	0.000	0.1921	0.0000	0.0000	0.00E+00	0.5456	0.0077	6.60E-08
79	*	*	0.08	0.000	0.034	0.1921	0.0000	0.0000	0.00E+00	0.5455	0.0077	6.60E-08
80		*	0.11	0.011	0.077	0.1947	0.0000	0.0000	0.00E+00	0.5454	0.0077	6.60E-08
81		*	0.33	0.103	0.004	0.2040	0.0000	0.0000	0.00E+00	0.5453	0.0077	6.60E-08
82		*	0.75	0.448	0.004	0.2164	0.0000	0.0000	0.00E+00	0.5452	0.0077	6.59E-08
83		*	0.00	0.000	0.000	0.2164	0.0000	0.0000	0.00E+00	0.5451	0.0077	6.59E-08
84		*	0.00	0.000	0.000	0.2164	0.0000	0.0000	0.00E+00	0.5450	0.0077	6.59E-08
85		*	0.02	0.000	0.004	0.2170	0.0000	0.0000	0.00E+00	0.5449	0.0077	6.59E-08
86		*	0.00	0.000	0.000	0.2170	0.0000	0.0000	0.00E+00	0.5448	0.0077	6.59E-08
87		*	0.00	0.000	0.000	0.2170	0.0000	0.0000	0.00E+00	0.5447	0.0077	6.59E-08
88		*	0.00	0.000	0.000	0.2170	0.0000	0.0000	0.00E+00	0.5446	0.0077	6.59E-08
89		*	0.00	0.000	0.000	0.2170	0.0000	0.0000	0.00E+00	0.5445	0.0077	6.59E-08
90		*	0.00	0.000	0.000	0.2170	0.0000	0.0000	0.00E+00	0.5444	0.0077	6.59E-08
91		*	0.00	0.000	0.000	0.2170	0.0000	0.0000	0.00E+00	0.5443	0.0077	6.58E-08
92			0.00	0.000	0.071	0.2084	2.4849	0.1355	8.09E-05	0.5443	0.0077	6.58E-08
93	*		0.17	0.000	0.045	0.1966	5.5198	0.3009	1.80E-04	0.5445	0.0077	6.59E-08
94			0.01	0.000	0.120	0.1861	4.4806	0.2442	1.45E-04	0.5448	0.0077	6.59E-08
95			0.38	0.000	0.230	0.1841	3.6555	0.1993	1.18E-04	0.5450	0.0077	6.59E-08
96			0.00	0.000	0.224	0.1672	3.3316	0.1816	1.07E-04	0.5450	0.0077	6.59E-08
97			0.00	0.000	0.178	0.1531	2.9606	0.1614	9.47E-05	0.5450	0.0077	6.59E-08
98			0.00	0.000	0.263	0.1361	2.6582	0.1449	8.48E-05	0.5450	0.0077	6.59E-08
99			0.60	0.000	0.133	0.1499	2.4297	0.1324	7.74E-05	0.5449	0.0077	6.59E-08
100	*		0.11	0.000	0.063	0.1458	2.1645	0.1180	6.88E-05	0.5448	0.0077	6.59E-08
101	*		0.89	0.000	0.012	0.1422	1.9062	0.1039	6.04E-05	0.5447	0.0077	6.59E-08
102	*		0.00	0.000	0.031	0.1392	1.6831	0.0917	5.33E-05	0.5445	0.0077	6.59E-08
103	*		0.00	0.000	0.013	0.1367	1.4880	0.0811	4.70E-05	0.5444	0.0077	6.58E-08

104	*	0.00	0.000	0.008	0.1345	1.3166	0.0718	4.15E-05	0.5442	0.0077	6.58E-08
105	*	0.00	0.000	0.023	0.1327	1.1658	0.0636	3.67E-05	0.5440	0.0077	6.58E-08
106	*	0.00	0.000	0.012	0.1312	1.0332	0.0563	3.25E-05	0.5437	0.0077	6.58E-08
107	*	0.00	0.000	0.008	0.1299	0.9167	0.0500	2.88E-05	0.5435	0.0077	6.57E-08
108	*	0.00	0.000	0.011	0.1289	0.8141	0.0444	2.56E-05	0.5433	0.0077	6.57E-08
109		0.00	0.000	0.000	0.1541	0.7224	0.0394	2.27E-05	0.5431	0.0077	6.57E-08
110		0.63	0.000	0.135	0.1731	0.6505	0.0355	2.04E-05	0.5428	0.0077	6.57E-08
111	*	1.26	0.000	0.048	0.1719	0.8844	0.0482	2.78E-05	0.5426	0.0077	6.56E-08
112		0.09	0.000	0.000	0.1784	1.4085	0.0768	4.45E-05	0.5424	0.0077	6.56E-08
113		0.00	0.000	0.008	0.2179	1.7157	0.0935	5.43E-05	0.5423	0.0077	6.56E-08
114		0.00	0.000	0.129	0.2052	3.2091	0.1749	1.03E-04	0.5422	0.0077	6.56E-08
115	*	0.00	0.000	0.064	0.1939	3.7855	0.2064	1.22E-04	0.5422	0.0077	6.56E-08
116		0.19	0.000	0.110	0.1892	3.5674	0.1945	1.15E-04	0.5422	0.0077	6.56E-08
117		0.37	0.000	0.352	0.1823	3.3205	0.1810	1.07E-04	0.5422	0.0077	6.56E-08
118		0.06	0.000	0.209	0.1692	3.0102	0.1641	9.64E-05	0.5421	0.0077	6.56E-08
119		0.01	0.000	0.173	0.1563	2.7042	0.1474	8.63E-05	0.5420	0.0077	6.56E-08
120		0.00	0.000	0.195	0.1428	2.4581	0.1340	7.83E-05	0.5419	0.0077	6.55E-08
121		0.00	0.000	0.130	0.1323	2.2080	0.1204	7.02E-05	0.5417	0.0077	6.55E-08
122		0.00	0.000	0.054	0.1256	1.9897	0.1085	6.31E-05	0.5415	0.0077	6.55E-08
123		0.00	0.000	0.041	0.1198	1.7913	0.0976	5.67E-05	0.5413	0.0077	6.55E-08
124		0.03	0.000	0.038	0.1158	1.6024	0.0873	5.07E-05	0.5411	0.0077	6.54E-08
125		0.31	0.000	0.034	0.1239	1.4282	0.0779	4.51E-05	0.5408	0.0077	6.54E-08
126		0.02	0.000	0.031	0.1205	1.2707	0.0693	4.01E-05	0.5406	0.0077	6.54E-08
127	*	0.00	0.000	0.026	0.1169	1.1290	0.0615	3.56E-05	0.5403	0.0077	6.54E-08
128	*	0.00	0.000	0.024	0.1136	1.0060	0.0548	3.16E-05	0.5401	0.0077	6.53E-08
129		0.00	0.000	0.022	0.1106	0.8943	0.0488	2.81E-05	0.5398	0.0076	6.53E-08
130		0.00	0.000	0.021	0.1080	0.7919	0.0432	2.49E-05	0.5396	0.0076	6.53E-08
131	*	0.25	0.000	0.044	0.1072	0.6964	0.0380	2.18E-05	0.5393	0.0076	6.52E-08
132		0.17	0.000	0.085	0.1174	0.6095	0.0332	1.91E-05	0.5391	0.0076	6.52E-08
133		0.04	0.000	0.274	0.1065	0.5415	0.0295	1.70E-05	0.5389	0.0076	6.52E-08
134		0.01	0.000	0.023	0.1050	0.4828	0.0263	1.51E-05	0.5386	0.0076	6.51E-08
135		0.12	0.000	0.022	0.1081	0.4163	0.0227	1.30E-05	0.5384	0.0076	6.51E-08
136		0.03	0.000	0.200	0.1001	0.3684	0.0201	1.15E-05	0.5382	0.0076	6.51E-08
137		0.01	0.000	0.022	0.0990	0.3267	0.0178	1.02E-05	0.5379	0.0076	6.51E-08
138		1.18	0.000	0.021	0.1468	0.2823	0.0154	8.81E-06	0.5377	0.0076	6.50E-08
139		0.00	0.000	0.353	0.1315	0.2523	0.0138	7.87E-06	0.5375	0.0076	6.50E-08
140		0.10	0.000	0.213	0.1264	0.2363	0.0129	7.37E-06	0.5373	0.0076	6.50E-08

141	0.05	0.000	0.150	0.1220	0.2035	0.0111	6.35E-06	0.5371	0.0076	6.50E-08
142	0.00	0.000	0.130	0.1160	0.2403	0.0131	7.50E-06	0.5370	0.0076	6.49E-08
143	0.25	0.000	0.057	0.1233	0.3553	0.0194	1.11E-05	0.5368	0.0076	6.49E-08
144	0.00	0.000	0.203	0.1138	0.4499	0.0245	1.41E-05	0.5366	0.0076	6.49E-08
145	0.40	0.000	0.045	0.1276	0.4756	0.0259	1.49E-05	0.5365	0.0076	6.49E-08
146	0.19	0.000	0.144	0.1284	0.4832	0.0263	1.51E-05	0.5364	0.0076	6.49E-08
147	0.07	0.000	0.244	0.1201	0.5044	0.0275	1.58E-05	0.5362	0.0076	6.49E-08
148	0.10	0.000	0.114	0.1184	0.4690	0.0256	1.47E-05	0.5361	0.0076	6.48E-08
149	0.05	0.000	0.278	0.1080	0.4445	0.0242	1.39E-05	0.5360	0.0076	6.48E-08
150	0.05	0.000	0.135	0.1036	0.4270	0.0233	1.34E-05	0.5359	0.0076	6.48E-08
151	0.11	0.000	0.058	0.1051	0.3806	0.0207	1.19E-05	0.5358	0.0076	6.48E-08
152	0.00	0.000	0.043	0.1025	0.3602	0.0196	1.13E-05	0.5357	0.0076	6.48E-08
153	0.06	0.000	0.039	0.1026	0.3490	0.0190	1.09E-05	0.5355	0.0076	6.48E-08
154	0.20	0.000	0.035	0.1087	0.3270	0.0178	1.02E-05	0.5354	0.0076	6.47E-08
155	0.00	0.000	0.030	0.1067	0.3099	0.0169	9.68E-06	0.5353	0.0076	6.47E-08
156	0.04	0.000	0.030	0.1063	0.2958	0.0161	9.24E-06	0.5352	0.0076	6.47E-08
157	0.15	0.000	0.031	0.1108	0.2740	0.0149	8.55E-06	0.5351	0.0076	6.47E-08
158	0.21	0.000	0.283	0.1073	0.2557	0.0139	7.98E-06	0.5350	0.0076	6.47E-08
159	0.16	0.000	0.290	0.1011	0.2384	0.0130	7.44E-06	0.5349	0.0076	6.47E-08
160	0.11	0.000	0.138	0.0993	0.2095	0.0114	6.54E-06	0.5348	0.0076	6.47E-08
161	0.17	0.000	0.064	0.1031	0.1967	0.0107	6.14E-06	0.5347	0.0076	6.47E-08
162	0.00	0.000	0.045	0.1008	0.1906	0.0104	5.94E-06	0.5346	0.0076	6.46E-08
163	0.35	0.000	0.044	0.1133	0.1839	0.0100	5.73E-06	0.5345	0.0076	6.46E-08
164	0.00	0.000	0.181	0.1054	0.1717	0.0094	5.35E-06	0.5344	0.0076	6.46E-08
165	0.00	0.000	0.336	0.0910	0.1645	0.0090	5.13E-06	0.5343	0.0076	6.46E-08
166	0.13	0.000	0.144	0.0902	0.1489	0.0081	4.64E-06	0.5343	0.0076	6.46E-08
167	0.00	0.000	0.067	0.0871	0.1401	0.0076	4.37E-06	0.5342	0.0076	6.46E-08
168	0.00	0.000	0.052	0.0846	0.1443	0.0079	4.50E-06	0.5341	0.0076	6.46E-08
169	0.00	0.000	0.048	0.0823	0.1454	0.0079	4.53E-06	0.5340	0.0076	6.46E-08
170	0.33	0.000	0.043	0.0939	0.1403	0.0076	4.37E-06	0.5339	0.0076	6.46E-08
171	0.00	0.000	0.043	0.0919	0.1348	0.0073	4.20E-06	0.5339	0.0076	6.46E-08
172	0.00	0.000	0.039	0.0899	0.1292	0.0070	4.03E-06	0.5338	0.0076	6.45E-08
173	0.00	0.000	0.041	0.0879	0.1229	0.0067	3.83E-06	0.5337	0.0076	6.45E-08
174	0.00	0.000	0.044	0.0859	0.1161	0.0063	3.62E-06	0.5336	0.0076	6.45E-08
175	0.14	0.000	0.037	0.0898	0.1091	0.0059	3.40E-06	0.5336	0.0076	6.45E-08
176	0.00	0.000	0.038	0.0880	0.1014	0.0055	3.16E-06	0.5335	0.0076	6.45E-08
177	0.00	0.000	0.050	0.0856	0.0937	0.0051	2.92E-06	0.5334	0.0076	6.45E-08

178	0.00	0.000	0.054	0.0832	0.0882	0.0048	2.75E-06	0.5333	0.0076	6.45E-08
179	0.00	0.000	0.055	0.0807	0.0828	0.0045	2.58E-06	0.5333	0.0076	6.45E-08
180	0.00	0.000	0.058	0.0781	0.0767	0.0042	2.39E-06	0.5332	0.0076	6.45E-08
181	0.00	0.000	0.065	0.0753	0.0713	0.0039	2.22E-06	0.5331	0.0076	6.45E-08
182	0.00	0.000	0.066	0.0723	0.0672	0.0037	2.09E-06	0.5331	0.0076	6.45E-08
183	0.31	0.000	0.071	0.0820	0.0633	0.0034	1.97E-06	0.5330	0.0076	6.45E-08
184	0.04	0.000	0.136	0.0780	0.0606	0.0033	1.89E-06	0.5329	0.0076	6.44E-08
185	0.74	0.000	0.077	0.1053	0.0587	0.0032	1.83E-06	0.5329	0.0075	6.44E-08
186	0.01	0.000	0.355	0.0907	0.0602	0.0033	1.88E-06	0.5328	0.0075	6.44E-08
187	0.25	0.000	0.377	0.0853	0.0696	0.0038	2.17E-06	0.5327	0.0075	6.44E-08
188	0.43	0.000	0.355	0.0884	0.0916	0.0050	2.85E-06	0.5327	0.0075	6.44E-08
189	0.49	0.000	0.346	0.0943	0.0971	0.0053	3.03E-06	0.5326	0.0075	6.44E-08
190	0.00	0.000	0.378	0.0785	0.1086	0.0059	3.38E-06	0.5326	0.0075	6.44E-08
191	0.02	0.000	0.394	0.0629	0.1060	0.0058	3.30E-06	0.5325	0.0075	6.44E-08
192	0.12	0.000	0.193	0.0598	0.0881	0.0048	2.74E-06	0.5324	0.0075	6.44E-08
193	0.16	0.000	0.150	0.0600	0.0701	0.0038	2.18E-06	0.5324	0.0075	6.44E-08
194	0.00	0.000	0.084	0.0563	0.0572	0.0031	1.78E-06	0.5323	0.0075	6.44E-08
195	0.31	0.000	0.075	0.0660	0.0493	0.0027	1.53E-06	0.5322	0.0075	6.44E-08
196	0.98	0.000	0.356	0.0921	0.0399	0.0022	1.24E-06	0.5322	0.0075	6.44E-08
197	0.00	0.000	0.151	0.0857	0.0327	0.0018	1.02E-06	0.5321	0.0075	6.43E-08
198	0.21	0.000	0.160	0.0878	0.0268	0.0015	8.39E-07	0.5321	0.0075	6.43E-08
199	0.08	0.000	0.337	0.0773	0.0218	0.0012	6.83E-07	0.5320	0.0075	6.43E-08
200	0.01	0.000	0.138	0.0719	0.0190	0.0010	5.97E-07	0.5319	0.0075	6.43E-08
201	0.01	0.000	0.184	0.0647	0.0249	0.0014	7.80E-07	0.5319	0.0075	6.43E-08
202	0.00	0.000	0.108	0.0602	0.0207	0.0011	6.52E-07	0.5318	0.0075	6.43E-08
203	0.12	0.000	0.092	0.0613	0.0168	0.0009	5.32E-07	0.5317	0.0075	6.43E-08
204	0.38	0.000	0.124	0.0718	0.0049	0.0002	1.08E-07	0.5317	0.0075	6.43E-08
205	0.56	0.000	0.247	0.0846	0.0000	0.0000	0.00E+00	0.5316	0.0075	6.43E-08
206	0.00	0.000	0.255	0.0739	0.0396	0.0022	1.23E-06	0.5315	0.0075	6.43E-08
207	0.00	0.000	0.231	0.0641	0.1071	0.0058	3.34E-06	0.5315	0.0075	6.43E-08
208	0.04	0.000	0.176	0.0580	0.0972	0.0053	3.03E-06	0.5314	0.0075	6.43E-08
209	0.00	0.000	0.231	0.0482	0.0595	0.0032	1.85E-06	0.5313	0.0075	6.43E-08
210	0.00	0.000	0.107	0.0437	0.0252	0.0014	7.90E-07	0.5313	0.0075	6.42E-08
211	0.00	0.000	0.086	0.0401	0.0520	0.0028	1.62E-06	0.5312	0.0075	6.42E-08
212	0.08	0.000	0.102	0.0389	0.0564	0.0029	1.64E-06	0.5312	0.0075	6.42E-08
213	0.22	0.000	0.050	0.0459	0.0000	0.0000	0.00E+00	0.5311	0.0075	6.42E-08
214	0.00	0.000	0.175	0.0386	0.0000	0.0000	0.00E+00	0.5310	0.0075	6.42E-08

215	0.11	0.000	0.108	0.0388	0.0000	0.0000	0.00E+00	0.5309	0.0075	6.42E-08
216	1.79	0.000	0.147	0.1072	0.0000	0.0000	0.00E+00	0.5309	0.0075	6.42E-08
217	0.01	0.000	0.138	0.1019	0.0000	0.0000	0.00E+00	0.5308	0.0075	6.42E-08
218	0.00	0.000	0.271	0.0906	0.0000	0.0000	0.00E+00	0.5307	0.0075	6.42E-08
219	0.00	0.000	0.257	0.0799	0.0000	0.0000	0.00E+00	0.5307	0.0075	6.42E-08
220	0.00	0.000	0.198	0.0716	0.0000	0.0000	0.00E+00	0.5306	0.0075	6.42E-08
221	0.00	0.000	0.173	0.0644	0.0000	0.0000	0.00E+00	0.5305	0.0075	6.41E-08
222	0.00	0.000	0.159	0.0578	0.0000	0.0000	0.00E+00	0.5305	0.0075	6.41E-08
223	0.00	0.000	0.142	0.0519	0.0000	0.0000	0.00E+00	0.5304	0.0075	6.41E-08
224	0.19	0.000	0.097	0.0557	0.0000	0.0000	0.00E+00	0.5303	0.0075	6.41E-08
225	0.31	0.000	0.089	0.0647	0.0000	0.0000	0.00E+00	0.5302	0.0075	6.41E-08
226	0.04	0.000	0.215	0.0575	0.0000	0.0000	0.00E+00	0.5302	0.0075	6.41E-08
227	0.27	0.000	0.081	0.0654	0.0000	0.0000	0.00E+00	0.5301	0.0075	6.41E-08
228	0.00	0.000	0.096	0.0613	0.0000	0.0000	0.00E+00	0.5300	0.0075	6.41E-08
229	0.00	0.000	0.126	0.0561	0.0000	0.0000	0.00E+00	0.5299	0.0075	6.41E-08
230	0.00	0.000	0.225	0.0467	0.0249	0.0014	7.80E-07	0.5299	0.0075	6.41E-08
231	0.03	0.000	0.181	0.0401	0.0582	0.0032	1.81E-06	0.5298	0.0075	6.41E-08
232	1.22	0.000	0.098	0.0869	0.0061	0.0003	2.02E-07	0.5297	0.0075	6.41E-08
233	0.09	0.000	0.223	0.0812	0.0081	0.0004	2.18E-07	0.5297	0.0075	6.40E-08
234	1.05	0.000	0.220	0.1160	0.0002	0.0000	0.00E+00	0.5296	0.0075	6.40E-08
235	1.64	0.001	0.096	0.1800	0.0000	0.0000	0.00E+00	0.5295	0.0075	6.40E-08
236	0.08	0.000	0.090	0.1780	0.7139	0.0389	2.25E-05	0.5295	0.0075	6.40E-08
237	0.26	0.000	0.232	0.1748	1.9379	0.1056	6.15E-05	0.5295	0.0075	6.40E-08
238	0.16	0.000	0.263	0.1662	1.9411	0.1058	6.16E-05	0.5295	0.0075	6.40E-08
239	0.00	0.000	0.289	0.1497	1.9357	0.1055	6.14E-05	0.5296	0.0075	6.40E-08
240	0.00	0.000	0.122	0.1405	1.8029	0.0983	5.71E-05	0.5296	0.0075	6.40E-08
241	0.01	0.000	0.213	0.1284	1.6582	0.0904	5.25E-05	0.5296	0.0075	6.40E-08
242	0.15	0.000	0.175	0.1240	1.4902	0.0812	4.71E-05	0.5296	0.0075	6.40E-08
243	0.02	0.000	0.086	0.1184	1.3563	0.0739	4.28E-05	0.5296	0.0075	6.40E-08
244	0.15	0.000	0.065	0.1190	1.2172	0.0663	3.84E-05	0.5295	0.0075	6.40E-08
245	0.07	0.000	0.070	0.1166	1.0841	0.0591	3.41E-05	0.5294	0.0075	6.40E-08
246	0.00	0.000	0.144	0.1084	0.9694	0.0528	3.05E-05	0.5293	0.0075	6.40E-08
247	0.13	0.000	0.157	0.1052	0.8681	0.0473	2.73E-05	0.5292	0.0075	6.40E-08
248	0.00	0.000	0.059	0.1010	0.7602	0.0414	2.39E-05	0.5291	0.0075	6.40E-08
249	0.79	0.000	0.063	0.1299	0.6598	0.0360	2.07E-05	0.5290	0.0075	6.40E-08
250	0.00	0.000	0.078	0.1253	0.5821	0.0317	1.82E-05	0.5289	0.0075	6.39E-08
251	0.00	0.000	0.127	0.1189	0.5096	0.0278	1.59E-05	0.5287	0.0075	6.39E-08

252		0.00	0.000	0.051	0.1157	0.4494	0.0245	1.41E-05	0.5286	0.0075	6.39E-08
253		0.00	0.000	0.040	0.1131	0.4119	0.0225	1.29E-05	0.5284	0.0075	6.39E-08
254		0.00	0.000	0.038	0.1106	0.3811	0.0208	1.19E-05	0.5283	0.0075	6.39E-08
255	*	0.01	0.000	0.042	0.1087	0.3539	0.0193	1.11E-05	0.5282	0.0075	6.39E-08
256		0.00	0.000	0.071	0.1050	0.3272	0.0178	1.02E-05	0.5280	0.0075	6.38E-08
257		0.03	0.000	0.104	0.1011	0.3001	0.0164	9.37E-06	0.5279	0.0075	6.38E-08
258	*	0.03	0.000	0.050	0.0995	0.2826	0.0154	8.82E-06	0.5277	0.0075	6.38E-08
259		0.00	0.000	0.054	0.0967	0.2704	0.0147	8.44E-06	0.5276	0.0075	6.38E-08
260		0.30	0.000	0.113	0.1038	0.2471	0.0135	7.71E-06	0.5275	0.0075	6.38E-08
261		0.00	0.000	0.157	0.0968	0.2258	0.0123	7.04E-06	0.5273	0.0075	6.38E-08
262		0.04	0.000	0.070	0.0948	0.2174	0.0118	6.78E-06	0.5272	0.0075	6.37E-08
263		0.00	0.000	0.042	0.0926	0.2043	0.0111	6.37E-06	0.5270	0.0075	6.37E-08
264		0.00	0.000	0.035	0.0907	0.1903	0.0104	5.94E-06	0.5269	0.0075	6.37E-08
265		0.00	0.000	0.031	0.0890	0.1763	0.0096	5.50E-06	0.5268	0.0075	6.37E-08
266		0.00	0.000	0.028	0.0875	0.1624	0.0089	5.06E-06	0.5267	0.0075	6.37E-08
267		0.00	0.000	0.026	0.0861	0.1476	0.0080	4.60E-06	0.5265	0.0075	6.37E-08
268		0.00	0.000	0.024	0.0848	0.1325	0.0072	4.13E-06	0.5264	0.0075	6.36E-08
269		0.00	0.000	0.024	0.0835	0.1182	0.0064	3.68E-06	0.5263	0.0075	6.36E-08
270		0.00	0.000	0.020	0.0825	0.1051	0.0057	3.27E-06	0.5262	0.0075	6.36E-08
271		0.00	0.000	0.021	0.0814	0.0930	0.0051	2.90E-06	0.5261	0.0075	6.36E-08
272	*	0.00	0.000	0.019	0.0804	0.0821	0.0045	2.56E-06	0.5259	0.0075	6.36E-08
273	*	0.00	0.000	0.000	0.0802	0.0733	0.0040	2.28E-06	0.5258	0.0074	6.36E-08
274	*	0.00	0.000	0.000	0.0801	0.0645	0.0035	2.01E-06	0.5257	0.0074	6.36E-08
275	*	0.00	0.000	0.004	0.0799	0.0581	0.0032	1.81E-06	0.5256	0.0074	6.35E-08
276	*	0.04	0.000	0.004	0.0806	0.0536	0.0029	1.67E-06	0.5255	0.0074	6.35E-08
277	*	0.00	0.000	0.008	0.0809	0.0506	0.0028	1.57E-06	0.5254	0.0074	6.35E-08
278	*	0.04	0.000	0.029	0.0811	0.0486	0.0026	1.51E-06	0.5253	0.0074	6.35E-08
279	*	0.06	0.000	0.056	0.0813	0.0474	0.0026	1.48E-06	0.5252	0.0074	6.35E-08
280		0.02	0.000	0.027	0.0808	0.0481	0.0026	1.50E-06	0.5251	0.0074	6.35E-08
281		0.00	0.000	0.018	0.0799	0.0475	0.0026	1.48E-06	0.5250	0.0074	6.35E-08
282		0.00	0.000	0.017	0.0791	0.0451	0.0025	1.40E-06	0.5249	0.0074	6.35E-08
283	*	0.15	0.000	0.022	0.0799	0.0440	0.0024	1.37E-06	0.5248	0.0074	6.34E-08
284		0.12	0.000	0.027	0.0882	0.0458	0.0025	1.42E-06	0.5247	0.0074	6.34E-08
285		0.00	0.000	0.016	0.0874	0.0482	0.0026	1.50E-06	0.5246	0.0074	6.34E-08
286		0.00	0.000	0.016	0.0866	0.0499	0.0027	1.55E-06	0.5245	0.0074	6.34E-08
287		0.14	0.000	0.026	0.0913	0.0491	0.0027	1.53E-06	0.5244	0.0074	6.34E-08
288	*	0.08	0.000	0.030	0.0920	0.0500	0.0027	1.56E-06	0.5243	0.0074	6.34E-08

289	*	0.40	0.000	0.015	0.0928	0.0486	0.0027	1.51E-06	0.5242	0.0074	6.34E-08
290		0.08	0.000	0.021	0.1118	0.0474	0.0026	1.48E-06	0.5242	0.0074	6.34E-08
291		0.00	0.000	0.041	0.1100	0.0486	0.0026	1.51E-06	0.5241	0.0074	6.34E-08
292		0.00	0.000	0.036	0.1084	0.0504	0.0027	1.57E-06	0.5240	0.0074	6.33E-08
293		0.00	0.000	0.060	0.1058	0.0440	0.0024	1.37E-06	0.5239	0.0074	6.33E-08
294		0.00	0.000	0.092	0.1018	0.0379	0.0021	1.18E-06	0.5238	0.0074	6.33E-08
295		0.00	0.000	0.116	0.0969	0.0326	0.0018	1.02E-06	0.5237	0.0074	6.33E-08
296		0.00	0.000	0.049	0.0948	0.0304	0.0017	9.49E-07	0.5236	0.0074	6.33E-08
297	*	0.00	0.000	0.000	0.0947	0.0346	0.0019	1.08E-06	0.5236	0.0074	6.33E-08
298		0.00	0.000	0.055	0.0924	0.0388	0.0021	1.21E-06	0.5235	0.0074	6.33E-08
299		0.00	0.000	0.073	0.0892	0.0374	0.0020	1.16E-06	0.5234	0.0074	6.33E-08
300		0.00	0.000	0.044	0.0873	0.0372	0.0020	1.16E-06	0.5233	0.0074	6.33E-08
301		0.15	0.000	0.062	0.0908	0.0391	0.0021	1.22E-06	0.5232	0.0074	6.33E-08
302		0.02	0.000	0.045	0.0895	0.0425	0.0023	1.32E-06	0.5231	0.0074	6.32E-08
303		0.00	0.000	0.041	0.0876	0.0504	0.0027	1.57E-06	0.5231	0.0074	6.32E-08
304		0.00	0.000	0.035	0.0860	0.0559	0.0030	1.74E-06	0.5230	0.0074	6.32E-08
305		0.00	0.000	0.031	0.0846	0.0591	0.0032	1.84E-06	0.5229	0.0074	6.32E-08
306	*	0.13	0.000	0.019	0.0853	0.0602	0.0033	1.87E-06	0.5228	0.0074	6.32E-08
307		0.00	0.000	0.051	0.0870	0.0595	0.0032	1.85E-06	0.5228	0.0074	6.32E-08
308	*	0.00	0.000	0.000	0.0869	0.0584	0.0032	1.82E-06	0.5227	0.0074	6.32E-08
309	*	0.00	0.000	0.000	0.0868	0.0569	0.0031	1.77E-06	0.5226	0.0074	6.32E-08
310	*	0.00	0.000	0.000	0.0866	0.0552	0.0030	1.72E-06	0.5225	0.0074	6.32E-08
311	*	0.00	0.000	0.000	0.0865	0.0534	0.0029	1.66E-06	0.5224	0.0074	6.32E-08
312	*	0.00	0.000	0.000	0.0864	0.0515	0.0028	1.60E-06	0.5224	0.0074	6.32E-08
313		0.00	0.000	0.028	0.0851	0.0501	0.0027	1.56E-06	0.5223	0.0074	6.31E-08
314		0.00	0.000	0.025	0.0840	0.0492	0.0027	1.53E-06	0.5222	0.0074	6.31E-08
315	*	0.16	0.000	0.027	0.0847	0.0476	0.0026	1.48E-06	0.5221	0.0074	6.31E-08
316		0.14	0.000	0.000	0.0953	0.0452	0.0025	1.41E-06	0.5220	0.0074	6.31E-08
317		0.00	0.000	0.061	0.0927	0.0419	0.0023	1.30E-06	0.5220	0.0074	6.31E-08
318	*	0.01	0.000	0.027	0.0920	0.0409	0.0022	1.27E-06	0.5219	0.0074	6.31E-08
319	*	0.00	0.000	0.000	0.0919	0.0395	0.0022	1.23E-06	0.5218	0.0074	6.31E-08
320		0.00	0.000	0.032	0.0905	0.0382	0.0021	1.19E-06	0.5217	0.0074	6.31E-08
321		0.00	0.000	0.070	0.0875	0.0385	0.0021	1.20E-06	0.5216	0.0074	6.31E-08
322	*	0.00	0.000	0.021	0.0865	0.0386	0.0021	1.20E-06	0.5216	0.0074	6.31E-08
323	*	0.00	0.000	0.000	0.0864	0.0351	0.0019	1.10E-06	0.5215	0.0074	6.30E-08
324	*	0.00	0.000	0.000	0.0864	0.0314	0.0017	9.81E-07	0.5214	0.0074	6.30E-08
325	*	0.38	0.000	0.001	0.0871	0.0283	0.0015	8.84E-07	0.5213	0.0074	6.30E-08

326	*	*	0.00	0.000	0.001	0.0871	0.0251	0.0014	7.87E-07	0.5212	0.0074	6.30E-08
327	*	*	0.00	0.000	0.004	0.0870	0.0216	0.0012	6.79E-07	0.5211	0.0074	6.30E-08
328	*	*	0.00	0.000	0.000	0.0870	0.0186	0.0010	5.87E-07	0.5211	0.0074	6.30E-08
329		*	0.00	0.010	0.000	0.1012	0.0160	0.0009	5.07E-07	0.5210	0.0074	6.30E-08
330		*	0.00	0.000	0.000	0.1012	0.0138	0.0008	4.39E-07	0.5209	0.0074	6.30E-08
331		*	0.00	0.000	0.000	0.1011	0.0119	0.0006	3.80E-07	0.5208	0.0074	6.30E-08
332		*	0.00	0.000	0.000	0.1011	0.0103	0.0006	3.29E-07	0.5207	0.0074	6.30E-08
333	*	*	0.00	0.000	0.000	0.1011	0.0088	0.0005	2.85E-07	0.5206	0.0074	6.29E-08
334	*	*	0.00	0.000	0.000	0.1011	0.0076	0.0004	2.48E-07	0.5206	0.0074	6.29E-08
335	*	*	0.00	0.000	0.000	0.1011	0.0065	0.0004	2.15E-07	0.5205	0.0074	6.29E-08
336	*	*	0.00	0.000	0.000	0.1011	0.0056	0.0003	1.87E-07	0.5204	0.0074	6.29E-08
337	*	*	0.08	0.000	0.016	0.1010	0.0049	0.0003	1.63E-07	0.5203	0.0074	6.29E-08
338	*	*	0.00	0.000	0.023	0.1010	0.0042	0.0002	1.42E-07	0.5202	0.0074	6.29E-08
339	*	*	0.00	0.000	0.020	0.1010	0.0036	0.0002	1.24E-07	0.5201	0.0074	6.29E-08
340	*	*	0.00	0.000	0.021	0.1010	0.0031	0.0002	1.09E-07	0.5201	0.0074	6.29E-08
341		*	0.00	0.000	0.000	0.1010	0.0027	0.0001	9.59E-08	0.5200	0.0074	6.29E-08
342		*	0.00	0.000	0.000	0.1010	0.0023	0.0001	8.44E-08	0.5199	0.0074	6.29E-08
343	*	*	0.17	0.000	0.010	0.1010	0.0020	0.0001	7.45E-08	0.5198	0.0074	6.28E-08
344	*	*	0.00	0.000	0.008	0.1010	0.0017	0.0001	6.61E-08	0.5197	0.0074	6.28E-08
345	*	*	0.14	0.000	0.011	0.1010	0.0015	0.0001	5.88E-08	0.5196	0.0074	6.28E-08
346		*	0.00	0.006	0.000	0.1128	0.0013	0.0001	5.25E-08	0.5196	0.0074	6.28E-08
347		*	0.00	0.000	0.000	0.1128	0.0011	0.0001	4.71E-08	0.5195	0.0074	6.28E-08
348	*	*	0.17	0.000	0.021	0.1128	0.0009	0.0001	4.25E-08	0.5194	0.0074	6.28E-08
349	*	*	0.03	0.000	0.004	0.1128	0.0008	0.0000	3.85E-08	0.5193	0.0074	6.28E-08
350	*	*	0.06	0.000	0.005	0.1128	0.0007	0.0000	3.50E-08	0.5192	0.0074	6.28E-08
351	*	*	0.01	0.000	0.000	0.1128	0.0006	0.0000	3.21E-08	0.5191	0.0074	6.28E-08
352		*	0.00	0.002	0.005	0.1224	0.0005	0.0000	2.95E-08	0.5191	0.0074	6.27E-08
353		*	0.41	0.051	0.005	0.1372	0.0004	0.0000	2.73E-08	0.5190	0.0074	6.27E-08
354		*	0.00	0.000	0.001	0.1372	0.0004	0.0000	2.54E-08	0.5189	0.0074	6.27E-08
355		*	0.00	0.000	0.000	0.1372	0.0003	0.0000	2.38E-08	0.5188	0.0074	6.27E-08
356		*	0.00	0.000	0.000	0.1372	0.0003	0.0000	2.23E-08	0.5187	0.0073	6.27E-08
357		*	0.00	0.000	0.000	0.1372	0.0002	0.0000	2.11E-08	0.5186	0.0073	6.27E-08
358		*	0.00	0.000	0.000	0.1372	0.0002	0.0000	2.01E-08	0.5186	0.0073	6.27E-08
359		*	0.00	0.000	0.000	0.1372	0.0002	0.0000	1.92E-08	0.5185	0.0073	6.27E-08
360	*	*	0.00	0.000	0.000	0.1372	0.0002	0.0000	1.84E-08	0.5184	0.0073	6.27E-08
361	*	*	0.00	0.000	0.000	0.1372	0.0001	0.0000	1.77E-08	0.5183	0.0073	6.27E-08
362	*	*	0.00	0.000	0.000	0.1372	0.0001	0.0000	1.72E-08	0.5182	0.0073	6.26E-08

363		*	0.00	0.000	0.000	0.1372	0.0001	0.0000	1.67E-08	0.5181	0.0073	6.26E-08
364		*	0.00	0.000	0.000	0.1372	0.0001	0.0000	1.62E-08	0.5181	0.0073	6.26E-08
365	*	*	0.00	0.000	0.000	0.1372	0.0001	0.0000	1.59E-08	0.5180	0.0073	6.26E-08

* = Frozen (air or soil)

Annual Totals for Year 3			
	inches	cubic feet	percent
Precipitation	31.15	951,082.5	100.00
Runoff	0.834	25,468.8	2.68
Evapotranspiration	23.938	730,800.8	76.84
Drainage Collected from Layer 2	6.7803	206,990.5	21.76
Percolation/Leakage through Layer 3	0.003951	120.6	0.01
Average Head on Top of Layer 3	0.3408	---	---
Drainage Collected from Layer 5	2.7653	84,419.5	8.88
Percolation/Leakage through Layer 7	0.000024	0.7206	0.00
Average Head on Top of Layer 6	0.5348	---	---
Change in Water Storage	-3.1642	-96,597.9	-10.16
Soil Water at Start of Year	328.4357	##########	1054.23
Soil Water at End of Year	325.2715	9,929,985.3	1044.07
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 4

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1		*	0.01	0.000	0.004	0.1376	0.0001	0.0000	1.56E-08	0.5179	0.0073	6.26E-08
2		*	0.00	0.000	0.000	0.1376	0.0001	0.0000	1.53E-08	0.5178	0.0073	6.26E-08
3	*	*	0.01	0.000	0.007	0.1376	0.0000	0.0000	1.51E-08	0.5177	0.0073	6.26E-08
4	*	*	0.01	0.000	0.006	0.1376	0.0000	0.0000	1.49E-08	0.5176	0.0073	6.26E-08
5	*	*	0.06	0.000	0.008	0.1376	0.0000	0.0000	1.47E-08	0.5176	0.0073	6.26E-08
6	*	*	0.18	0.000	0.000	0.1376	0.0000	0.0000	1.45E-08	0.5175	0.0073	6.26E-08
7	*	*	0.03	0.000	0.000	0.1376	0.0000	0.0000	1.44E-08	0.5174	0.0073	6.25E-08
8	*	*	0.09	0.000	0.018	0.1376	0.0000	0.0000	1.43E-08	0.5173	0.0073	6.25E-08
9		*	0.00	0.038	0.000	0.1498	0.0000	0.0000	1.42E-08	0.5172	0.0073	6.25E-08
10	*	*	0.00	0.000	0.000	0.1498	0.0000	0.0000	1.41E-08	0.5171	0.0073	6.25E-08
11		*	0.00	0.000	0.000	0.1498	0.0000	0.0000	1.40E-08	0.5170	0.0073	6.25E-08
12	*	*	0.00	0.000	0.000	0.1498	0.0000	0.0000	1.40E-08	0.5170	0.0073	6.25E-08
13		*	0.00	0.000	0.000	0.1498	0.0000	0.0000	1.39E-08	0.5169	0.0073	6.25E-08
14		*	0.00	0.000	0.000	0.1498	0.0000	0.0000	1.39E-08	0.5168	0.0073	6.25E-08
15	*	*	0.07	0.000	0.011	0.1498	0.0000	0.0000	1.38E-08	0.5167	0.0073	6.25E-08
16	*	*	0.02	0.000	0.011	0.1498	0.0000	0.0000	1.38E-08	0.5166	0.0073	6.24E-08
17	*	*	0.06	0.000	0.011	0.1498	0.0000	0.0000	1.38E-08	0.5165	0.0073	6.24E-08
18	*	*	0.00	0.000	0.010	0.1498	0.0000	0.0000	1.38E-08	0.5164	0.0073	6.24E-08
19	*	*	0.00	0.000	0.009	0.1498	0.0000	0.0000	1.37E-08	0.5164	0.0073	6.24E-08
20	*	*	0.00	0.000	0.013	0.1498	0.0000	0.0000	1.37E-08	0.5163	0.0073	6.24E-08
21		*	0.00	0.000	0.021	0.1524	0.0000	0.0000	1.37E-08	0.5162	0.0073	6.24E-08
22		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	1.37E-08	0.5161	0.0073	6.24E-08
23		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	1.37E-08	0.5160	0.0073	6.24E-08
24	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	1.37E-08	0.5159	0.0073	6.24E-08
25	*	*	0.02	0.000	0.015	0.1524	0.0000	0.0000	1.37E-08	0.5158	0.0073	6.24E-08
26		*	0.03	0.000	0.004	0.1536	0.0000	0.0000	1.36E-08	0.5158	0.0073	6.23E-08
27		*	0.10	0.000	0.004	0.1575	0.0000	0.0000	1.36E-08	0.5157	0.0073	6.23E-08
28		*	0.02	0.000	0.004	0.1582	0.0000	0.0000	1.36E-08	0.5156	0.0073	6.23E-08
29		*	0.00	0.000	0.000	0.1582	0.0000	0.0000	1.36E-08	0.5155	0.0073	6.23E-08

30		*	0.41	0.093	0.004	0.1711	0.0000	0.0000	1.36E-08	0.5154	0.0073	6.23E-08
31	*	*	0.00	0.000	0.000	0.1711	0.0000	0.0000	1.36E-08	0.5153	0.0073	6.23E-08
32	*	*	0.00	0.000	0.000	0.1711	0.0000	0.0000	1.36E-08	0.5152	0.0073	6.23E-08
33	*	*	0.00	0.000	0.000	0.1711	0.0000	0.0000	1.36E-08	0.5151	0.0073	6.23E-08
34	*	*	0.03	0.000	0.017	0.1711	0.0000	0.0000	1.36E-08	0.5151	0.0073	6.23E-08
35	*	*	0.20	0.000	0.004	0.1711	0.0000	0.0000	1.36E-08	0.5150	0.0073	6.22E-08
36	*	*	0.00	0.000	0.000	0.1711	0.0000	0.0000	1.36E-08	0.5149	0.0073	6.22E-08
37		*	0.00	0.017	0.019	0.1784	0.0000	0.0000	1.36E-08	0.5148	0.0073	6.22E-08
38		*	0.01	0.000	0.003	0.1786	0.0000	0.0000	6.67E-09	0.5147	0.0073	6.22E-08
39	*	*	0.00	0.000	0.000	0.1786	0.0000	0.0000	0.00E+00	0.5146	0.0073	6.22E-08
40		*	0.00	0.000	0.000	0.1786	0.0000	0.0000	0.00E+00	0.5145	0.0073	6.22E-08
41		*	0.00	0.000	0.000	0.1786	0.0000	0.0000	0.00E+00	0.5144	0.0073	6.22E-08
42		*	0.05	0.000	0.004	0.1803	0.0000	0.0000	0.00E+00	0.5144	0.0073	6.22E-08
43		*	0.13	0.002	0.004	0.1855	0.0000	0.0000	0.00E+00	0.5143	0.0073	6.22E-08
44		*	0.02	0.000	0.004	0.1860	0.0000	0.0000	0.00E+00	0.5142	0.0073	6.22E-08
45		*	0.00	0.000	0.000	0.1860	0.0000	0.0000	0.00E+00	0.5141	0.0073	6.21E-08
46		*	0.00	0.000	0.000	0.1860	0.0000	0.0000	0.00E+00	0.5140	0.0073	6.21E-08
47		*	0.00	0.000	0.000	0.1860	0.0000	0.0000	0.00E+00	0.5139	0.0073	6.21E-08
48	*	*	0.00	0.000	0.000	0.1860	0.0000	0.0000	0.00E+00	0.5138	0.0073	6.21E-08
49		*	0.01	0.000	0.003	0.1864	0.0000	0.0000	0.00E+00	0.5137	0.0073	6.21E-08
50	*	*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5137	0.0073	6.21E-08
51	*	*	0.01	0.000	0.009	0.1864	0.0000	0.0000	0.00E+00	0.5136	0.0073	6.21E-08
52	*	*	0.00	0.000	0.001	0.1864	0.0000	0.0000	0.00E+00	0.5135	0.0073	6.21E-08
53	*	*	0.05	0.000	0.022	0.1864	0.0000	0.0000	0.00E+00	0.5134	0.0073	6.21E-08
54		*	0.00	0.000	0.025	0.1864	0.0000	0.0000	0.00E+00	0.5133	0.0073	6.20E-08
55		*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5132	0.0073	6.20E-08
56	*	*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5131	0.0073	6.20E-08
57		*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5130	0.0073	6.20E-08
58	*	*	0.01	0.000	0.011	0.1864	0.0000	0.0000	0.00E+00	0.5130	0.0073	6.20E-08
59	*	*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5129	0.0073	6.20E-08
60	*	*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5128	0.0073	6.20E-08
61		*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5127	0.0073	6.20E-08
62		*	0.00	0.000	0.000	0.1864	0.0000	0.0000	0.00E+00	0.5126	0.0073	6.20E-08
63		*	0.01	0.000	0.003	0.1868	0.0000	0.0000	0.00E+00	0.5125	0.0073	6.19E-08
64	*	*	0.08	0.000	0.030	0.1868	0.0000	0.0000	0.00E+00	0.5124	0.0073	6.19E-08
65	*	*	0.75	0.000	0.014	0.1868	0.0000	0.0000	0.00E+00	0.5123	0.0073	6.19E-08
66	*	*	0.00	0.000	0.020	0.1868	0.0000	0.0000	0.00E+00	0.5123	0.0073	6.19E-08

67		*	0.00	0.000	0.000	0.1868	0.0000	0.0000	0.00E+00	0.5122	0.0073	6.19E-08
68	*	*	0.00	0.000	0.011	0.1868	0.0000	0.0000	0.00E+00	0.5121	0.0073	6.19E-08
69	*	*	0.00	0.000	0.018	0.1868	0.0000	0.0000	0.00E+00	0.5120	0.0073	6.19E-08
70	*	*	0.10	0.000	0.000	0.1868	0.0000	0.0000	0.00E+00	0.5119	0.0073	6.19E-08
71		*	0.00	0.000	0.031	0.1868	0.0000	0.0000	0.00E+00	0.5118	0.0073	6.19E-08
72	*	*	0.00	0.000	0.010	0.1868	0.0000	0.0000	0.00E+00	0.5117	0.0072	6.19E-08
73	*	*	0.11	0.000	0.010	0.1868	0.0000	0.0000	0.00E+00	0.5116	0.0072	6.18E-08
74	*	*	0.00	0.000	0.018	0.1868	0.0000	0.0000	0.00E+00	0.5115	0.0072	6.18E-08
75	*	*	0.00	0.000	0.008	0.1868	0.0000	0.0000	0.00E+00	0.5115	0.0072	6.18E-08
76	*	*	0.00	0.000	0.009	0.1868	0.0000	0.0000	0.00E+00	0.5114	0.0072	6.18E-08
77		*	0.03	0.315	0.000	0.2008	0.0000	0.0000	0.00E+00	0.5113	0.0072	6.18E-08
78	*	*	0.13	0.000	0.010	0.2008	0.0000	0.0000	0.00E+00	0.5112	0.0072	6.18E-08
79	*	*	0.00	0.000	0.012	0.2008	0.0000	0.0000	0.00E+00	0.5111	0.0072	6.18E-08
80		*	0.00	0.114	0.012	0.2100	0.0000	0.0000	0.00E+00	0.5110	0.0072	6.18E-08
81	*	*	0.05	0.000	0.040	0.2100	0.0000	0.0000	0.00E+00	0.5109	0.0072	6.18E-08
82	*	*	0.18	0.000	0.017	0.2100	0.0000	0.0000	0.00E+00	0.5108	0.0072	6.17E-08
83	*	*	0.00	0.000	0.032	0.2100	0.0000	0.0000	0.00E+00	0.5108	0.0072	6.17E-08
84	*	*	0.00	0.000	0.029	0.2100	0.0000	0.0000	0.00E+00	0.5107	0.0072	6.17E-08
85	*	*	0.00	0.000	0.028	0.2100	0.0000	0.0000	0.00E+00	0.5106	0.0072	6.17E-08
86		*	0.00	0.001	0.053	0.2114	0.0000	0.0000	0.00E+00	0.5105	0.0072	6.17E-08
87		*	0.37	0.144	0.003	0.2208	0.0000	0.0000	0.00E+00	0.5104	0.0072	6.17E-08
88		*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5103	0.0072	6.17E-08
89		*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5102	0.0072	6.17E-08
90		*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5101	0.0072	6.17E-08
91		*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5101	0.0072	6.16E-08
92	*	*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5100	0.0072	6.16E-08
93	*	*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5099	0.0072	6.16E-08
94		*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5098	0.0072	6.16E-08
95	*	*	0.00	0.000	0.000	0.2208	0.0000	0.0000	0.00E+00	0.5097	0.0072	6.16E-08
96	*	*	0.54	0.000	0.036	0.2208	0.0000	0.0000	0.00E+00	0.5096	0.0072	6.16E-08
97	*	*	0.00	0.000	0.040	0.2208	0.0000	0.0000	0.00E+00	0.5095	0.0072	6.16E-08
98		*	0.00	0.229	0.028	0.2295	0.0000	0.0000	0.00E+00	0.5094	0.0072	6.16E-08
99		*	0.00	0.000	0.000	0.2295	0.0000	0.0000	0.00E+00	0.5093	0.0072	6.16E-08
100		*	0.00	0.000	0.000	0.2295	0.0000	0.0000	0.00E+00	0.5093	0.0072	6.15E-08
101		*	0.00	0.000	0.000	0.2295	0.0000	0.0000	0.00E+00	0.5092	0.0072	6.15E-08
102		*	0.00	0.000	0.000	0.2295	0.0000	0.0000	0.00E+00	0.5091	0.0072	6.15E-08
103		*	0.04	0.000	0.003	0.2311	0.0000	0.0000	0.00E+00	0.5090	0.0072	6.15E-08

104		*	0.24	0.076	0.003	0.2379	0.0000	0.0000	0.00E+00	0.5089	0.0072	6.15E-08
105		*	0.00	0.000	0.000	0.2379	0.0000	0.0000	0.00E+00	0.5088	0.0072	6.15E-08
106		*	0.00	0.000	0.000	0.2379	0.0000	0.0000	0.00E+00	0.5087	0.0072	6.15E-08
107		*	0.00	0.000	0.000	0.2379	0.0000	0.0000	0.00E+00	0.5086	0.0072	6.15E-08
108		*	0.00	0.000	0.000	0.2379	0.0000	0.0000	0.00E+00	0.5086	0.0072	6.15E-08
109		*	0.03	0.000	0.003	0.2391	0.0000	0.0000	0.00E+00	0.5085	0.0072	6.15E-08
110			0.00	0.000	0.162	0.2237	3.8217	0.2083	1.26E-04	0.5085	0.0072	6.15E-08
111			0.14	0.000	0.134	0.2090	6.5984	0.3597	2.17E-04	0.5088	0.0072	6.15E-08
112			0.00	0.000	0.108	0.1911	5.8797	0.3205	1.93E-04	0.5092	0.0072	6.15E-08
113			0.00	0.000	0.177	0.1718	5.2324	0.2852	1.71E-04	0.5095	0.0072	6.16E-08
114			0.00	0.000	0.142	0.1573	3.7868	0.2064	1.22E-04	0.5096	0.0072	6.16E-08
115	*		0.00	0.000	0.000	0.1495	3.4420	0.1876	1.11E-04	0.5096	0.0072	6.16E-08
116			0.07	0.000	0.132	0.1399	3.0516	0.1663	9.77E-05	0.5096	0.0072	6.16E-08
117			0.00	0.000	0.054	0.1315	2.7021	0.1473	8.63E-05	0.5095	0.0072	6.16E-08
118			0.01	0.000	0.044	0.1247	2.3645	0.1289	7.53E-05	0.5094	0.0072	6.16E-08
119			0.00	0.000	0.035	0.1186	2.0662	0.1126	6.56E-05	0.5093	0.0072	6.16E-08
120	*		0.00	0.000	0.000	0.1144	1.8313	0.0998	5.80E-05	0.5091	0.0072	6.15E-08
121	*		0.00	0.000	0.031	0.1095	1.6257	0.0886	5.14E-05	0.5089	0.0072	6.15E-08
122	*		0.00	0.000	0.028	0.1050	1.4433	0.0787	4.56E-05	0.5087	0.0072	6.15E-08
123	*		0.00	0.000	0.000	0.1021	1.2873	0.0702	4.06E-05	0.5085	0.0072	6.15E-08
124	*		0.00	0.000	0.000	0.0995	1.1514	0.0628	3.63E-05	0.5082	0.0072	6.14E-08
125			0.00	0.000	0.025	0.0961	1.0119	0.0552	3.18E-05	0.5080	0.0072	6.14E-08
126			0.00	0.000	0.022	0.0931	0.9001	0.0491	2.83E-05	0.5078	0.0072	6.14E-08
127			0.00	0.000	0.022	0.0904	0.8072	0.0440	2.53E-05	0.5075	0.0072	6.13E-08
128			0.00	0.000	0.021	0.0879	0.7152	0.0390	2.24E-05	0.5073	0.0072	6.13E-08
129			0.05	0.000	0.022	0.0877	0.6228	0.0339	1.95E-05	0.5070	0.0072	6.13E-08
130			0.00	0.000	0.020	0.0857	0.5406	0.0295	1.69E-05	0.5068	0.0072	6.12E-08
131			0.29	0.000	0.021	0.0958	0.4699	0.0256	1.47E-05	0.5066	0.0072	6.12E-08
132			0.36	0.000	0.020	0.1088	0.4207	0.0229	1.32E-05	0.5063	0.0072	6.12E-08
133			0.26	0.000	0.472	0.0990	0.3784	0.0206	1.18E-05	0.5061	0.0072	6.12E-08
134			0.00	0.000	0.273	0.0869	0.3578	0.0195	1.12E-05	0.5059	0.0072	6.11E-08
135			0.00	0.000	0.131	0.0806	0.3630	0.0198	1.13E-05	0.5057	0.0072	6.11E-08
136			0.06	0.000	0.058	0.0799	0.3681	0.0201	1.15E-05	0.5055	0.0072	6.11E-08
137			0.19	0.000	0.046	0.0852	0.3683	0.0201	1.15E-05	0.5053	0.0072	6.11E-08
138			0.25	0.000	0.040	0.0933	0.3547	0.0193	1.11E-05	0.5051	0.0072	6.10E-08
139			0.00	0.000	0.035	0.0912	0.3350	0.0183	1.05E-05	0.5049	0.0072	6.10E-08
140			0.05	0.000	0.032	0.0911	0.3128	0.0171	9.77E-06	0.5047	0.0072	6.10E-08

141		0.09	0.000	0.030	0.0931	0.2899	0.0158	9.05E-06	0.5045	0.0071	6.10E-08
142		0.00	0.000	0.148	0.0863	0.2610	0.0142	8.15E-06	0.5044	0.0071	6.10E-08
143		0.00	0.000	0.025	0.0847	0.2309	0.0126	7.20E-06	0.5042	0.0071	6.09E-08
144		0.21	0.000	0.025	0.0919	0.2148	0.0117	6.70E-06	0.5041	0.0071	6.09E-08
145		0.00	0.000	0.156	0.0850	0.2070	0.0113	6.46E-06	0.5039	0.0071	6.09E-08
146	*	0.31	0.000	0.039	0.0853	0.2003	0.0109	6.25E-06	0.5038	0.0071	6.09E-08
147	*	0.00	0.000	0.047	0.0857	0.1872	0.0102	5.84E-06	0.5036	0.0071	6.09E-08
148		0.00	0.000	0.198	0.0846	0.1738	0.0095	5.42E-06	0.5035	0.0071	6.08E-08
149		0.00	0.000	0.023	0.0833	0.1607	0.0088	5.01E-06	0.5033	0.0071	6.08E-08
150		0.00	0.000	0.025	0.0820	0.1499	0.0082	4.67E-06	0.5032	0.0071	6.08E-08
151		0.13	0.000	0.025	0.0861	0.1394	0.0076	4.34E-06	0.5031	0.0071	6.08E-08
152		0.00	0.000	0.022	0.0848	0.1293	0.0070	4.03E-06	0.5030	0.0071	6.08E-08
153		0.00	0.000	0.022	0.0836	0.1197	0.0065	3.73E-06	0.5028	0.0071	6.08E-08
154		0.13	0.000	0.027	0.0877	0.1103	0.0060	3.44E-06	0.5027	0.0071	6.08E-08
155		0.97	0.000	0.272	0.1166	0.1052	0.0057	3.28E-06	0.5026	0.0071	6.07E-08
156		0.10	0.000	0.124	0.1153	0.1053	0.0057	3.28E-06	0.5025	0.0071	6.07E-08
157		0.00	0.000	0.192	0.1071	0.1046	0.0057	3.26E-06	0.5024	0.0071	6.07E-08
158		0.00	0.000	0.126	0.1017	0.0990	0.0054	3.08E-06	0.5023	0.0071	6.07E-08
159		0.00	0.000	0.223	0.0922	0.0953	0.0052	2.97E-06	0.5022	0.0071	6.07E-08
160		0.00	0.000	0.230	0.0824	0.0847	0.0046	2.64E-06	0.5021	0.0071	6.07E-08
161		0.00	0.000	0.139	0.0764	0.0876	0.0048	2.73E-06	0.5020	0.0071	6.07E-08
162		0.75	0.000	0.070	0.1046	0.1014	0.0055	3.16E-06	0.5019	0.0071	6.07E-08
163		0.00	0.000	0.279	0.0928	0.0983	0.0054	3.06E-06	0.5018	0.0071	6.06E-08
164		0.00	0.000	0.139	0.0868	0.0983	0.0054	3.06E-06	0.5017	0.0071	6.06E-08
165		0.00	0.000	0.141	0.0807	0.0936	0.0051	2.91E-06	0.5017	0.0071	6.06E-08
166		1.00	0.000	0.066	0.1195	0.0877	0.0048	2.73E-06	0.5016	0.0071	6.06E-08
167		0.05	0.000	0.253	0.1111	0.0836	0.0046	2.60E-06	0.5015	0.0071	6.06E-08
168		0.18	0.000	0.151	0.1121	0.0832	0.0045	2.59E-06	0.5014	0.0071	6.06E-08
169		0.00	0.000	0.142	0.1060	0.0795	0.0043	2.47E-06	0.5014	0.0071	6.06E-08
170		0.00	0.000	0.168	0.0988	0.0758	0.0041	2.36E-06	0.5013	0.0071	6.06E-08
171		0.00	0.000	0.165	0.0918	0.0668	0.0036	2.08E-06	0.5012	0.0071	6.06E-08
172		0.00	0.000	0.154	0.0852	0.0642	0.0035	2.00E-06	0.5011	0.0071	6.06E-08
173		0.00	0.000	0.082	0.0817	0.0620	0.0034	1.93E-06	0.5011	0.0071	6.05E-08
174		0.01	0.000	0.076	0.0788	0.0577	0.0031	1.80E-06	0.5010	0.0071	6.05E-08
175		0.23	0.000	0.053	0.0861	0.0532	0.0029	1.66E-06	0.5009	0.0071	6.05E-08
176		0.21	0.000	0.057	0.0924	0.0487	0.0027	1.51E-06	0.5008	0.0071	6.05E-08
177		0.00	0.000	0.166	0.0853	0.0451	0.0025	1.40E-06	0.5008	0.0071	6.05E-08

178	0.04	0.000	0.060	0.0844	0.0424	0.0023	1.32E-06	0.5007	0.0071	6.05E-08
179	0.00	0.000	0.067	0.0815	0.0338	0.0018	1.05E-06	0.5006	0.0071	6.05E-08
180	0.00	0.000	0.049	0.0794	0.0261	0.0014	8.18E-07	0.5006	0.0071	6.05E-08
181	0.00	0.000	0.071	0.0765	0.0204	0.0011	6.41E-07	0.5005	0.0071	6.05E-08
182	0.02	0.000	0.077	0.0740	0.0145	0.0008	4.61E-07	0.5004	0.0071	6.05E-08
183	0.00	0.000	0.048	0.0720	0.0093	0.0005	2.98E-07	0.5004	0.0071	6.05E-08
184	0.00	0.000	0.048	0.0700	0.0056	0.0003	1.85E-07	0.5003	0.0071	6.05E-08
185	0.00	0.000	0.064	0.0673	0.0018	0.0001	6.41E-08	0.5002	0.0071	6.04E-08
186	0.16	0.000	0.080	0.0704	0.0000	0.0000	0.00E+00	0.5002	0.0071	6.04E-08
187	0.04	0.000	0.083	0.0688	0.0000	0.0000	0.00E+00	0.5001	0.0071	6.04E-08
188	0.20	0.000	0.056	0.0747	0.0000	0.0000	0.00E+00	0.5001	0.0071	6.04E-08
189	0.17	0.000	0.112	0.0769	0.0000	0.0000	0.00E+00	0.5000	0.0071	6.04E-08
190	0.16	0.000	0.116	0.0789	0.0000	0.0000	0.00E+00	0.4999	0.0071	6.04E-08
191	0.00	0.000	0.212	0.0701	0.0000	0.0000	0.00E+00	0.4999	0.0071	6.04E-08
192	0.00	0.000	0.240	0.0601	0.0000	0.0000	0.00E+00	0.4998	0.0071	6.04E-08
193	0.00	0.000	0.184	0.0524	0.0000	0.0000	0.00E+00	0.4997	0.0071	6.04E-08
194	0.58	0.000	0.115	0.0718	0.0000	0.0000	0.00E+00	0.4997	0.0071	6.04E-08
195	0.00	0.000	0.286	0.0598	0.0217	0.0012	6.78E-07	0.4996	0.0071	6.04E-08
196	0.00	0.000	0.140	0.0537	0.0999	0.0054	3.11E-06	0.4996	0.0071	6.04E-08
197	0.00	0.000	0.119	0.0486	0.0840	0.0046	2.62E-06	0.4995	0.0071	6.04E-08
198	0.00	0.000	0.112	0.0438	0.0654	0.0036	2.04E-06	0.4994	0.0071	6.04E-08
199	0.00	0.000	0.084	0.0402	0.0503	0.0027	1.57E-06	0.4994	0.0071	6.03E-08
200	0.00	0.000	0.065	0.0374	0.0382	0.0021	1.19E-06	0.4993	0.0071	6.03E-08
201	0.01	0.000	0.047	0.0359	0.0057	0.0000	0.00E+00	0.4993	0.0071	6.03E-08
202	0.00	0.000	0.027	0.0348	0.0000	0.0000	0.00E+00	0.4992	0.0071	6.03E-08
203	0.01	0.000	0.037	0.0336	0.0000	0.0000	0.00E+00	0.4991	0.0071	6.03E-08
204	0.05	0.000	0.043	0.0339	0.0000	0.0000	0.00E+00	0.4991	0.0071	6.03E-08
205	0.19	0.000	0.017	0.0413	0.0000	0.0000	0.00E+00	0.4990	0.0071	6.03E-08
206	0.04	0.000	0.139	0.0373	0.0000	0.0000	0.00E+00	0.4990	0.0071	6.03E-08
207	0.58	0.000	0.091	0.0575	0.0000	0.0000	0.00E+00	0.4989	0.0071	6.03E-08
208	0.00	0.000	0.181	0.0500	0.0000	0.0000	0.00E+00	0.4988	0.0071	6.03E-08
209	0.00	0.000	0.169	0.0430	0.0000	0.0000	0.00E+00	0.4988	0.0071	6.03E-08
210	0.02	0.000	0.097	0.0397	0.0000	0.0000	0.00E+00	0.4987	0.0071	6.03E-08
211	0.00	0.000	0.110	0.0351	0.0000	0.0000	0.00E+00	0.4986	0.0071	6.03E-08
212	0.10	0.000	0.089	0.0355	0.0000	0.0000	0.00E+00	0.4986	0.0071	6.02E-08
213	0.00	0.000	0.039	0.0339	0.0000	0.0000	0.00E+00	0.4985	0.0071	6.02E-08
214	0.00	0.000	0.025	0.0328	0.0000	0.0000	0.00E+00	0.4984	0.0071	6.02E-08

215	0.22	0.000	0.026	0.0411	0.0000	0.0000	0.00E+00	0.4984	0.0071	6.02E-08
216	0.15	0.000	0.162	0.0407	0.0000	0.0000	0.00E+00	0.4983	0.0071	6.02E-08
217	0.15	0.000	0.139	0.0412	0.0000	0.0000	0.00E+00	0.4982	0.0071	6.02E-08
218	0.00	0.000	0.142	0.0353	0.0000	0.0000	0.00E+00	0.4982	0.0071	6.02E-08
219	0.26	0.000	0.062	0.0436	0.0000	0.0000	0.00E+00	0.4981	0.0071	6.02E-08
220	0.02	0.000	0.159	0.0380	0.0000	0.0000	0.00E+00	0.4980	0.0071	6.02E-08
221	0.73	0.000	0.202	0.0599	0.0000	0.0000	0.00E+00	0.4980	0.0071	6.02E-08
222	0.03	0.000	0.151	0.0548	0.0000	0.0000	0.00E+00	0.4979	0.0071	6.02E-08
223	0.42	0.000	0.225	0.0630	0.0000	0.0000	0.00E+00	0.4979	0.0071	6.02E-08
224	0.33	0.000	0.205	0.0683	0.0000	0.0000	0.00E+00	0.4978	0.0071	6.01E-08
225	1.19	0.000	0.242	0.1078	0.0000	0.0000	0.00E+00	0.4977	0.0071	6.01E-08
226	0.00	0.000	0.212	0.0990	0.0000	0.0000	0.00E+00	0.4976	0.0071	6.01E-08
227	0.14	0.000	0.190	0.0967	0.0000	0.0000	0.00E+00	0.4976	0.0070	6.01E-08
228	0.01	0.000	0.156	0.0908	0.0000	0.0000	0.00E+00	0.4975	0.0070	6.01E-08
229	0.57	0.000	0.254	0.1039	0.0000	0.0000	0.00E+00	0.4974	0.0070	6.01E-08
230	0.00	0.000	0.189	0.0961	0.0000	0.0000	0.00E+00	0.4974	0.0070	6.01E-08
231	0.00	0.000	0.220	0.0869	0.0000	0.0000	0.00E+00	0.4973	0.0070	6.01E-08
232	0.00	0.000	0.167	0.0799	0.0000	0.0000	0.00E+00	0.4972	0.0070	6.01E-08
233	0.00	0.000	0.225	0.0706	0.0000	0.0000	0.00E+00	0.4972	0.0070	6.01E-08
234	0.00	0.000	0.191	0.0626	0.0000	0.0000	0.00E+00	0.4971	0.0070	6.01E-08
235	0.00	0.000	0.096	0.0586	0.0000	0.0000	0.00E+00	0.4970	0.0070	6.01E-08
236	0.25	0.000	0.097	0.0648	0.0000	0.0000	0.00E+00	0.4970	0.0070	6.00E-08
237	0.00	0.000	0.068	0.0619	0.0000	0.0000	0.00E+00	0.4969	0.0070	6.00E-08
238	0.00	0.000	0.054	0.0597	0.0000	0.0000	0.00E+00	0.4968	0.0070	6.00E-08
239	0.04	0.000	0.059	0.0590	0.0000	0.0000	0.00E+00	0.4968	0.0070	6.00E-08
240	0.00	0.000	0.031	0.0577	0.0000	0.0000	0.00E+00	0.4967	0.0070	6.00E-08
241	0.02	0.000	0.041	0.0569	0.0000	0.0000	0.00E+00	0.4966	0.0070	6.00E-08
242	0.15	0.000	0.045	0.0613	0.0000	0.0000	0.00E+00	0.4965	0.0070	6.00E-08
243	0.05	0.000	0.045	0.0614	0.0000	0.0000	0.00E+00	0.4965	0.0070	6.00E-08
244	0.00	0.000	0.030	0.0603	0.0000	0.0000	0.00E+00	0.4964	0.0070	6.00E-08
245	1.21	0.000	0.039	0.1090	0.0000	0.0000	0.00E+00	0.4963	0.0070	6.00E-08
246	0.29	0.000	0.146	0.1152	0.0000	0.0000	0.00E+00	0.4963	0.0070	6.00E-08
247	0.00	0.000	0.172	0.1081	0.0000	0.0000	0.00E+00	0.4962	0.0070	6.00E-08
248	0.00	0.000	0.153	0.1017	0.0000	0.0000	0.00E+00	0.4961	0.0070	5.99E-08
249	1.03	0.000	0.139	0.1390	0.0000	0.0000	0.00E+00	0.4960	0.0070	5.99E-08
250	0.00	0.000	0.147	0.1330	0.0000	0.0000	0.00E+00	0.4960	0.0070	5.99E-08
251	0.08	0.000	0.170	0.1291	0.0000	0.0000	0.00E+00	0.4959	0.0070	5.99E-08

252		0.00	0.000	0.197	0.1209	0.0000	0.0000	0.00E+00	0.4958	0.0070	5.99E-08
253		0.00	0.000	0.096	0.1167	0.1024	0.0056	3.19E-06	0.4957	0.0070	5.99E-08
254		0.23	0.000	0.095	0.1219	0.2139	0.0117	6.67E-06	0.4957	0.0070	5.99E-08
255		0.00	0.000	0.084	0.1177	0.3147	0.0172	9.83E-06	0.4956	0.0070	5.99E-08
256		0.13	0.000	0.088	0.1186	0.3754	0.0205	1.17E-05	0.4956	0.0070	5.99E-08
257		0.00	0.000	0.106	0.1132	0.4281	0.0233	1.34E-05	0.4955	0.0070	5.99E-08
258		0.00	0.000	0.224	0.1029	0.4571	0.0249	1.43E-05	0.4955	0.0070	5.99E-08
259		0.00	0.000	0.086	0.0983	0.4376	0.0239	1.37E-05	0.4954	0.0070	5.99E-08
260		0.45	0.000	0.074	0.1128	0.4409	0.0240	1.38E-05	0.4954	0.0070	5.99E-08
261	*	0.30	0.000	0.031	0.1126	0.4363	0.0238	1.36E-05	0.4953	0.0070	5.98E-08
262	*	0.03	0.000	0.020	0.1125	0.4226	0.0230	1.32E-05	0.4952	0.0070	5.98E-08
263	*	0.14	0.000	0.013	0.1124	0.4079	0.0222	1.28E-05	0.4952	0.0070	5.98E-08
264	*	0.05	0.000	0.011	0.1123	0.3908	0.0213	1.22E-05	0.4951	0.0070	5.98E-08
265		0.00	0.000	0.019	0.1261	0.3716	0.0203	1.16E-05	0.4950	0.0070	5.98E-08
266		0.00	0.000	0.082	0.1219	0.3559	0.0194	1.11E-05	0.4950	0.0070	5.98E-08
267		0.00	0.000	0.043	0.1193	0.3322	0.0181	1.04E-05	0.4949	0.0070	5.98E-08
268	*	0.73	0.000	0.021	0.1194	0.3026	0.0165	9.45E-06	0.4948	0.0070	5.98E-08
269		0.63	0.000	0.000	0.1656	0.2843	0.0155	8.88E-06	0.4947	0.0070	5.98E-08
270		0.00	0.000	0.087	0.1689	0.6027	0.0329	1.89E-05	0.4946	0.0070	5.98E-08
271	*	0.06	0.000	0.041	0.1670	1.1835	0.0645	3.73E-05	0.4946	0.0070	5.98E-08
272	*	0.01	0.000	0.043	0.1630	1.2928	0.0705	4.08E-05	0.4946	0.0070	5.98E-08
273	*	0.01	0.000	0.009	0.1599	1.3686	0.0746	4.32E-05	0.4946	0.0070	5.98E-08
274		0.09	0.000	0.104	0.1559	1.4150	0.0771	4.47E-05	0.4945	0.0070	5.98E-08
275		0.00	0.000	0.102	0.1484	1.4226	0.0775	4.49E-05	0.4945	0.0070	5.97E-08
276		0.01	0.000	0.119	0.1409	1.3487	0.0735	4.26E-05	0.4945	0.0070	5.97E-08
277		0.00	0.000	0.060	0.1355	1.2864	0.0701	4.06E-05	0.4944	0.0070	5.97E-08
278		0.01	0.000	0.179	0.1255	1.2296	0.0670	3.88E-05	0.4944	0.0070	5.97E-08
279		0.00	0.000	0.054	0.1206	1.1422	0.0623	3.60E-05	0.4943	0.0070	5.97E-08
280		0.70	0.000	0.061	0.1447	1.0701	0.0583	3.37E-05	0.4942	0.0070	5.97E-08
281		0.15	0.000	0.071	0.1457	0.9889	0.0539	3.11E-05	0.4941	0.0070	5.97E-08
282		0.13	0.000	0.121	0.1440	0.8990	0.0490	2.82E-05	0.4940	0.0070	5.97E-08
283		0.06	0.000	0.121	0.1395	0.8048	0.0439	2.53E-05	0.4939	0.0070	5.97E-08
284		0.17	0.000	0.204	0.1364	0.7188	0.0392	2.25E-05	0.4938	0.0070	5.97E-08
285		0.06	0.000	0.290	0.1252	0.6660	0.0363	2.09E-05	0.4936	0.0070	5.96E-08
286		0.00	0.000	0.083	0.1204	0.6087	0.0332	1.91E-05	0.4935	0.0070	5.96E-08
287		0.00	0.000	0.252	0.1086	0.5516	0.0301	1.73E-05	0.4934	0.0070	5.96E-08
288		0.00	0.000	0.082	0.1041	0.5032	0.0274	1.57E-05	0.4933	0.0070	5.96E-08

289		0.01	0.000	0.059	0.1010	0.4382	0.0239	1.37E-05	0.4931	0.0070	5.96E-08
290		0.15	0.000	0.049	0.1045	0.3989	0.0217	1.25E-05	0.4930	0.0070	5.96E-08
291		0.00	0.000	0.035	0.1022	0.3793	0.0207	1.19E-05	0.4928	0.0070	5.95E-08
292		0.00	0.000	0.031	0.1001	0.3655	0.0199	1.14E-05	0.4927	0.0070	5.95E-08
293		0.00	0.000	0.028	0.0981	0.3431	0.0187	1.07E-05	0.4926	0.0070	5.95E-08
294	*	0.00	0.000	0.025	0.0964	0.3099	0.0169	9.68E-06	0.4924	0.0070	5.95E-08
295		0.00	0.000	0.025	0.0948	0.2727	0.0149	8.51E-06	0.4923	0.0070	5.95E-08
296		0.05	0.000	0.029	0.0951	0.2405	0.0131	7.50E-06	0.4922	0.0070	5.95E-08
297		0.04	0.000	0.028	0.0952	0.2162	0.0118	6.74E-06	0.4920	0.0070	5.94E-08
298		0.00	0.000	0.024	0.0940	0.1995	0.0109	6.22E-06	0.4919	0.0070	5.94E-08
299		0.00	0.000	0.019	0.0928	0.1873	0.0102	5.84E-06	0.4918	0.0070	5.94E-08
300		0.00	0.000	0.018	0.0916	0.1795	0.0098	5.60E-06	0.4916	0.0070	5.94E-08
301	*	0.01	0.000	0.007	0.0912	0.1776	0.0097	5.54E-06	0.4915	0.0070	5.94E-08
302		0.19	0.000	0.024	0.0979	0.1764	0.0096	5.50E-06	0.4914	0.0070	5.94E-08
303		0.00	0.000	0.017	0.0968	0.1751	0.0095	5.46E-06	0.4913	0.0070	5.94E-08
304	*	0.00	0.000	0.016	0.0957	0.1703	0.0093	5.31E-06	0.4912	0.0070	5.93E-08
305		0.00	0.000	0.016	0.0947	0.1641	0.0089	5.11E-06	0.4910	0.0070	5.93E-08
306		0.06	0.000	0.021	0.0960	0.1616	0.0088	5.04E-06	0.4909	0.0070	5.93E-08
307		0.33	0.000	0.021	0.1085	0.1586	0.0086	4.94E-06	0.4908	0.0070	5.93E-08
308		0.00	0.000	0.048	0.1062	0.1567	0.0085	4.88E-06	0.4907	0.0070	5.93E-08
309		0.00	0.000	0.110	0.1012	0.1579	0.0086	4.92E-06	0.4906	0.0070	5.93E-08
310		0.03	0.000	0.076	0.0988	0.1560	0.0085	4.86E-06	0.4905	0.0069	5.93E-08
311		0.23	0.000	0.062	0.1056	0.1434	0.0078	4.47E-06	0.4904	0.0069	5.92E-08
312		0.00	0.000	0.105	0.1010	0.1326	0.0072	4.13E-06	0.4903	0.0069	5.92E-08
313		0.00	0.000	0.050	0.0986	0.1219	0.0066	3.80E-06	0.4902	0.0069	5.92E-08
314	*	0.20	0.000	0.013	0.0992	0.1091	0.0059	3.40E-06	0.4901	0.0069	5.92E-08
315		0.00	0.000	0.026	0.1050	0.1041	0.0057	3.24E-06	0.4900	0.0069	5.92E-08
316		0.00	0.000	0.044	0.1029	0.0989	0.0054	3.08E-06	0.4899	0.0069	5.92E-08
317		0.00	0.000	0.034	0.1013	0.0940	0.0051	2.93E-06	0.4898	0.0069	5.92E-08
318		0.00	0.000	0.041	0.0994	0.0918	0.0050	2.86E-06	0.4897	0.0069	5.92E-08
319		0.00	0.000	0.070	0.0963	0.0893	0.0049	2.78E-06	0.4896	0.0069	5.92E-08
320		0.10	0.000	0.056	0.0977	0.0875	0.0048	2.73E-06	0.4896	0.0069	5.91E-08
321		0.49	0.000	0.055	0.1158	0.0881	0.0048	2.74E-06	0.4895	0.0069	5.91E-08
322		0.00	0.000	0.106	0.1112	0.0862	0.0047	2.68E-06	0.4894	0.0069	5.91E-08
323		0.00	0.000	0.104	0.1067	0.0821	0.0045	2.56E-06	0.4893	0.0069	5.91E-08
324		0.00	0.000	0.110	0.1019	0.0802	0.0044	2.50E-06	0.4892	0.0069	5.91E-08
325		0.00	0.000	0.050	0.0996	0.0822	0.0045	2.56E-06	0.4891	0.0069	5.91E-08

326				0.06	0.000	0.036	0.1003	0.0881	0.0048	2.75E-06	0.4890	0.0069	5.91E-08
327	*			0.07	0.000	0.010	0.1009	0.0939	0.0051	2.92E-06	0.4890	0.0069	5.91E-08
328	*			0.41	0.000	0.003	0.1015	0.0985	0.0054	3.07E-06	0.4889	0.0069	5.91E-08
329	*			0.00	0.000	0.000	0.1021	0.1000	0.0055	3.12E-06	0.4888	0.0069	5.91E-08
330	*			0.27	0.000	0.005	0.1027	0.0996	0.0054	3.10E-06	0.4887	0.0069	5.90E-08
331	*			0.02	0.000	0.006	0.1033	0.0979	0.0053	3.05E-06	0.4887	0.0069	5.90E-08
332	*			0.00	0.000	0.013	0.1039	0.0951	0.0052	2.96E-06	0.4886	0.0069	5.90E-08
333	*			0.00	0.000	0.010	0.1045	0.0917	0.0050	2.86E-06	0.4885	0.0069	5.90E-08
334	*			0.00	0.000	0.011	0.1051	0.0879	0.0048	2.74E-06	0.4884	0.0069	5.90E-08
335	*			0.00	0.000	0.010	0.1058	0.0840	0.0046	2.61E-06	0.4884	0.0069	5.90E-08
336				0.00	0.000	0.000	0.1269	0.0799	0.0044	2.49E-06	0.4883	0.0069	5.90E-08
337	*			0.14	0.000	0.020	0.1276	0.0755	0.0041	2.35E-06	0.4882	0.0069	5.90E-08
338	*			0.00	0.000	0.016	0.1282	0.0711	0.0039	2.21E-06	0.4881	0.0069	5.90E-08
339	*			0.00	0.000	0.021	0.1289	0.0675	0.0037	2.10E-06	0.4881	0.0069	5.90E-08
340				0.00	0.000	0.053	0.1280	0.0643	0.0035	2.00E-06	0.4880	0.0069	5.90E-08
341				0.00	0.000	0.074	0.1248	0.0578	0.0031	1.80E-06	0.4879	0.0069	5.89E-08
342				0.00	0.000	0.060	0.1222	0.0498	0.0027	1.55E-06	0.4878	0.0069	5.89E-08
343				0.00	0.000	0.098	0.1180	0.0428	0.0023	1.33E-06	0.4878	0.0069	5.89E-08
344				0.00	0.000	0.030	0.1167	0.0374	0.0020	1.16E-06	0.4877	0.0069	5.89E-08
345	*			0.00	0.000	0.023	0.1156	0.0531	0.0029	1.65E-06	0.4876	0.0069	5.89E-08
346	*			0.00	0.000	0.000	0.1154	0.0951	0.0052	2.96E-06	0.4875	0.0069	5.89E-08
347	*			0.00	0.000	0.000	0.1151	0.1197	0.0065	3.73E-06	0.4875	0.0069	5.89E-08
348	*			0.00	0.000	0.000	0.1148	0.1414	0.0077	4.41E-06	0.4874	0.0069	5.89E-08
349	*			0.01	0.000	0.007	0.1147	0.1684	0.0092	5.25E-06	0.4873	0.0069	5.89E-08
350	*	*		0.00	0.000	0.000	0.1143	0.1763	0.0096	5.50E-06	0.4873	0.0069	5.89E-08
351	*	*		0.00	0.000	0.000	0.1140	0.1519	0.0083	4.73E-06	0.4872	0.0069	5.89E-08
352	*	*		0.00	0.000	0.000	0.1137	0.1308	0.0071	4.08E-06	0.4871	0.0069	5.88E-08
353	*	*		0.05	0.000	0.018	0.1134	0.1126	0.0061	3.51E-06	0.4871	0.0069	5.88E-08
354	*	*		0.08	0.000	0.018	0.1132	0.0970	0.0053	3.02E-06	0.4870	0.0069	5.88E-08
355	*	*		0.00	0.000	0.005	0.1130	0.0836	0.0046	2.60E-06	0.4869	0.0069	5.88E-08
356	*	*		0.05	0.000	0.000	0.1129	0.0720	0.0039	2.24E-06	0.4869	0.0069	5.88E-08
357	*	*		0.06	0.000	0.018	0.1127	0.0620	0.0034	1.93E-06	0.4868	0.0069	5.88E-08
358	*	*		0.14	0.000	0.014	0.1126	0.0534	0.0029	1.66E-06	0.4867	0.0069	5.88E-08
359		*		0.00	0.004	0.000	0.1246	0.0460	0.0025	1.43E-06	0.4866	0.0069	5.88E-08
360		*		0.00	0.000	0.000	0.1245	0.0396	0.0022	1.23E-06	0.4866	0.0069	5.88E-08
361	*	*		0.00	0.000	0.000	0.1244	0.0341	0.0019	1.06E-06	0.4865	0.0069	5.88E-08
362		*		0.00	0.000	0.000	0.1243	0.0294	0.0016	9.17E-07	0.4864	0.0069	5.88E-08

363	*	*	0.00	0.000	0.000	0.1243	0.0253	0.0014	7.92E-07	0.4863	0.0069	5.88E-08
364	*	*	0.03	0.000	0.007	0.1242	0.0218	0.0012	6.84E-07	0.4863	0.0069	5.87E-08
365	*	*	0.00	0.000	0.021	0.1242	0.0188	0.0010	5.91E-07	0.4862	0.0069	5.87E-08

* = Frozen (air or soil)

Annual Totals for Year 4			
	inches	cubic feet	percent
Precipitation	27.58	841,891.6	100.00
Runoff	1.033	31,539.9	3.75
Evapotranspiration	21.694	662,293.3	78.67
Drainage Collected from Layer 2	5.1603	157,535.4	18.71
Percolation/Leakage through Layer 3	0.003012	92.0	0.01
Average Head on Top of Layer 3	0.2587	---	---
Drainage Collected from Layer 5	2.6011	79,408.5	9.43
Percolation/Leakage through Layer 7	0.000022	0.6773	0.00
Average Head on Top of Layer 6	0.5016	---	---
Change in Water Storage	-2.9116	-88,886.2	-10.56
Soil Water at Start of Year	325.2715	9,929,985.3	1179.49
Soil Water at End of Year	322.3599	9,841,099.1	1168.93
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 5

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1241	0.0139	0.0008	4.42E-07	0.4860	0.0069	5.87E-08
2	*	*	0.06	0.000	0.022	0.1241	0.0120	0.0007	3.82E-07	0.4860	0.0069	5.87E-08
3	*	*	0.00	0.000	0.009	0.1241	0.0103	0.0006	3.31E-07	0.4859	0.0069	5.87E-08
4	*	*	0.00	0.000	0.014	0.1241	0.0089	0.0005	2.87E-07	0.4858	0.0069	5.87E-08
5	*	*	0.00	0.000	0.018	0.1240	0.0077	0.0004	2.49E-07	0.4857	0.0069	5.87E-08
6	*	*	0.00	0.000	0.000	0.1240	0.0066	0.0004	2.16E-07	0.4857	0.0069	5.87E-08
7		*	0.00	0.000	0.000	0.1240	0.0057	0.0003	1.88E-07	0.4856	0.0069	5.87E-08
8		*	0.00	0.000	0.000	0.1240	0.0049	0.0003	1.64E-07	0.4855	0.0069	5.87E-08
9		*	0.00	0.000	0.000	0.1240	0.0042	0.0002	1.43E-07	0.4854	0.0069	5.86E-08
10		*	0.00	0.000	0.000	0.1240	0.0036	0.0002	1.25E-07	0.4854	0.0069	5.86E-08
11	*	*	0.00	0.000	0.002	0.1240	0.0031	0.0002	1.10E-07	0.4853	0.0069	5.86E-08
12	*	*	0.05	0.000	0.006	0.1240	0.0027	0.0001	9.64E-08	0.4852	0.0069	5.86E-08
13	*	*	0.00	0.000	0.012	0.1240	0.0023	0.0001	8.47E-08	0.4852	0.0069	5.86E-08
14	*	*	0.00	0.000	0.017	0.1240	0.0020	0.0001	7.49E-08	0.4851	0.0069	5.86E-08
15	*	*	0.00	0.000	0.007	0.1240	0.0017	0.0001	6.64E-08	0.4850	0.0069	5.86E-08
16	*	*	0.00	0.000	0.009	0.1239	0.0015	0.0001	5.91E-08	0.4849	0.0069	5.86E-08
17		*	0.30	0.009	0.003	0.1359	0.0013	0.0001	5.28E-08	0.4849	0.0069	5.86E-08
18	*	*	0.00	0.000	0.000	0.1359	0.0011	0.0001	4.74E-08	0.4848	0.0069	5.86E-08
19		*	0.00	0.000	0.000	0.1359	0.0009	0.0001	4.27E-08	0.4847	0.0069	5.86E-08
20		*	0.00	0.000	0.000	0.1359	0.0008	0.0000	3.87E-08	0.4847	0.0069	5.85E-08
21		*	0.00	0.000	0.000	0.1359	0.0007	0.0000	3.52E-08	0.4846	0.0069	5.85E-08
22	*	*	0.12	0.000	0.016	0.1359	0.0006	0.0000	3.22E-08	0.4845	0.0069	5.85E-08
23		*	0.19	0.013	0.000	0.1476	0.0005	0.0000	2.96E-08	0.4844	0.0069	5.85E-08
24	*	*	0.00	0.000	0.000	0.1476	0.0004	0.0000	2.74E-08	0.4844	0.0069	5.85E-08
25		*	0.00	0.000	0.000	0.1476	0.0004	0.0000	2.55E-08	0.4843	0.0069	5.85E-08
26		*	0.00	0.000	0.000	0.1476	0.0003	0.0000	2.38E-08	0.4842	0.0069	5.85E-08
27	*	*	0.00	0.000	0.000	0.1476	0.0003	0.0000	2.24E-08	0.4841	0.0069	5.85E-08
28	*	*	0.00	0.000	0.000	0.1476	0.0002	0.0000	2.12E-08	0.4841	0.0069	5.85E-08
29		*	0.00	0.000	0.000	0.1476	0.0002	0.0000	2.01E-08	0.4840	0.0069	5.85E-08

30	*	*	0.00	0.000	0.000	0.1476	0.0002	0.0000	1.92E-08	0.4839	0.0069	5.85E-08
31	*	*	0.00	0.000	0.000	0.1476	0.0002	0.0000	1.84E-08	0.4839	0.0069	5.84E-08
32	*	*	0.00	0.000	0.000	0.1476	0.0001	0.0000	1.78E-08	0.4838	0.0069	5.84E-08
33		*	0.00	0.000	0.000	0.1476	0.0001	0.0000	1.72E-08	0.4837	0.0069	5.84E-08
34	*	*	0.00	0.000	0.000	0.1476	0.0001	0.0000	1.67E-08	0.4836	0.0069	5.84E-08
35	*	*	0.00	0.000	0.000	0.1476	0.0001	0.0000	1.63E-08	0.4836	0.0069	5.84E-08
36	*	*	0.06	0.000	0.027	0.1476	0.0001	0.0000	1.59E-08	0.4835	0.0068	5.84E-08
37		*	0.00	0.000	0.037	0.1476	0.0001	0.0000	1.56E-08	0.4834	0.0068	5.84E-08
38		*	0.04	0.000	0.002	0.1493	0.0001	0.0000	1.53E-08	0.4834	0.0068	5.84E-08
39		*	0.00	0.000	0.000	0.1493	0.0000	0.0000	1.51E-08	0.4833	0.0068	5.84E-08
40		*	0.00	0.000	0.000	0.1493	0.0000	0.0000	1.49E-08	0.4832	0.0068	5.84E-08
41		*	0.04	0.000	0.002	0.1510	0.0000	0.0000	1.47E-08	0.4831	0.0068	5.84E-08
42		*	0.33	0.034	0.002	0.1634	0.0000	0.0000	1.45E-08	0.4831	0.0068	5.84E-08
43		*	0.00	0.000	0.000	0.1634	0.0000	0.0000	1.44E-08	0.4830	0.0068	5.83E-08
44		*	0.00	0.000	0.000	0.1634	0.0000	0.0000	1.43E-08	0.4829	0.0068	5.83E-08
45		*	0.00	0.000	0.000	0.1634	0.0000	0.0000	1.42E-08	0.4828	0.0068	5.83E-08
46		*	0.00	0.000	0.000	0.1634	0.0000	0.0000	1.41E-08	0.4828	0.0068	5.83E-08
47	*	*	0.00	0.000	0.000	0.1634	0.0000	0.0000	1.40E-08	0.4827	0.0068	5.83E-08
48	*	*	0.06	0.000	0.030	0.1634	0.0000	0.0000	1.40E-08	0.4826	0.0068	5.83E-08
49	*	*	0.00	0.000	0.026	0.1634	0.0000	0.0000	1.39E-08	0.4826	0.0068	5.83E-08
50		*	0.15	0.001	0.002	0.1696	0.0000	0.0000	1.39E-08	0.4825	0.0068	5.83E-08
51	*	*	0.00	0.000	0.000	0.1696	0.0000	0.0000	1.38E-08	0.4824	0.0068	5.83E-08
52	*	*	0.00	0.000	0.000	0.1696	0.0000	0.0000	1.38E-08	0.4823	0.0068	5.83E-08
53	*	*	0.00	0.000	0.000	0.1696	0.0000	0.0000	1.38E-08	0.4823	0.0068	5.83E-08
54	*	*	0.00	0.000	0.000	0.1696	0.0000	0.0000	1.38E-08	0.4822	0.0068	5.82E-08
55	*	*	0.07	0.000	0.026	0.1696	0.0000	0.0000	1.37E-08	0.4821	0.0068	5.82E-08
56	*	*	0.00	0.000	0.024	0.1696	0.0000	0.0000	1.37E-08	0.4820	0.0068	5.82E-08
57	*	*	0.00	0.000	0.015	0.1696	0.0000	0.0000	1.37E-08	0.4820	0.0068	5.82E-08
58	*	*	0.00	0.000	0.000	0.1696	0.0000	0.0000	1.37E-08	0.4819	0.0068	5.82E-08
59		*	0.04	0.000	0.002	0.1713	0.0000	0.0000	1.37E-08	0.4818	0.0068	5.82E-08
60		*	0.00	0.000	0.000	0.1713	0.0000	0.0000	1.37E-08	0.4817	0.0068	5.82E-08
61		*	0.00	0.000	0.000	0.1713	0.0000	0.0000	1.37E-08	0.4817	0.0068	5.82E-08
62		*	0.00	0.000	0.000	0.1713	0.0000	0.0000	1.36E-08	0.4816	0.0068	5.82E-08
63	*	*	0.00	0.000	0.000	0.1713	0.0000	0.0000	1.36E-08	0.4815	0.0068	5.82E-08
64	*	*	0.00	0.000	0.000	0.1713	0.0000	0.0000	1.36E-08	0.4814	0.0068	5.82E-08
65	*	*	0.70	0.000	0.010	0.1713	0.0000	0.0000	1.36E-08	0.4814	0.0068	5.81E-08
66	*	*	0.00	0.000	0.003	0.1713	0.0000	0.0000	1.36E-08	0.4813	0.0068	5.81E-08

67	*	*	0.00	0.000	0.003	0.1713	0.0000	0.0000	1.36E-08	0.4812	0.0068	5.81E-08
68	*	*	0.00	0.000	0.009	0.1713	0.0000	0.0000	1.36E-08	0.4811	0.0068	5.81E-08
69		*	0.06	0.172	0.000	0.1865	0.0000	0.0000	1.36E-08	0.4811	0.0068	5.81E-08
70	*	*	0.00	0.000	0.035	0.1865	0.0000	0.0000	1.36E-08	0.4810	0.0068	5.81E-08
71	*	*	0.00	0.000	0.029	0.1865	0.0000	0.0000	1.36E-08	0.4809	0.0068	5.81E-08
72	*	*	0.00	0.000	0.008	0.1865	0.0000	0.0000	1.36E-08	0.4808	0.0068	5.81E-08
73	*	*	0.00	0.000	0.027	0.1865	0.0000	0.0000	1.36E-08	0.4808	0.0068	5.81E-08
74	*	*	0.00	0.000	0.021	0.1865	0.0000	0.0000	7.30E-09	0.4807	0.0068	5.81E-08
75		*	0.00	0.000	0.076	0.1865	0.0000	0.0000	0.00E+00	0.4806	0.0068	5.81E-08
76		*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4805	0.0068	5.80E-08
77		*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4805	0.0068	5.80E-08
78		*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4804	0.0068	5.80E-08
79		*	0.00	0.000	0.001	0.1865	0.0000	0.0000	0.00E+00	0.4803	0.0068	5.80E-08
80	*	*	0.13	0.000	0.062	0.1865	0.0000	0.0000	0.00E+00	0.4802	0.0068	5.80E-08
81		*	0.00	0.000	0.066	0.1865	0.0000	0.0000	0.00E+00	0.4802	0.0068	5.80E-08
82		*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4801	0.0068	5.80E-08
83	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4800	0.0068	5.80E-08
84	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4799	0.0068	5.80E-08
85	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4799	0.0068	5.80E-08
86	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4798	0.0068	5.79E-08
87	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4797	0.0068	5.79E-08
88	*	*	0.09	0.000	0.034	0.1865	0.0000	0.0000	0.00E+00	0.4796	0.0068	5.79E-08
89		*	0.00	0.000	0.055	0.1865	0.0000	0.0000	0.00E+00	0.4795	0.0068	5.79E-08
90	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4795	0.0068	5.79E-08
91	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4794	0.0068	5.79E-08
92	*	*	0.08	0.000	0.012	0.1865	0.0000	0.0000	0.00E+00	0.4793	0.0068	5.79E-08
93	*	*	0.00	0.000	0.004	0.1865	0.0000	0.0000	0.00E+00	0.4792	0.0068	5.79E-08
94	*	*	0.00	0.000	0.003	0.1865	0.0000	0.0000	0.00E+00	0.4792	0.0068	5.79E-08
95	*	*	0.00	0.000	0.019	0.1865	0.0000	0.0000	0.00E+00	0.4791	0.0068	5.79E-08
96	*	*	0.06	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4790	0.0068	5.79E-08
97	*	*	0.00	0.000	0.005	0.1865	0.0000	0.0000	0.00E+00	0.4789	0.0068	5.78E-08
98	*	*	0.00	0.000	0.086	0.1865	0.0000	0.0000	0.00E+00	0.4789	0.0068	5.78E-08
99	*	*	0.00	0.000	0.014	0.1865	0.0000	0.0000	0.00E+00	0.4788	0.0068	5.78E-08
100	*	*	0.00	0.000	0.000	0.1865	0.0000	0.0000	0.00E+00	0.4787	0.0068	5.78E-08
101	*	*	0.10	0.000	0.096	0.1865	0.0000	0.0000	0.00E+00	0.4786	0.0068	5.78E-08
102		*	0.07	0.000	0.072	0.1865	0.0000	0.0000	0.00E+00	0.4786	0.0068	5.78E-08
103	*	*	0.46	0.000	0.042	0.1865	0.0000	0.0000	0.00E+00	0.4785	0.0068	5.78E-08

104	*	*	0.99	0.000	0.017	0.1865	0.0000	0.0000	0.00E+00	0.4784	0.0068	5.78E-08
105		*	0.04	0.684	0.000	0.2051	0.0000	0.0000	0.00E+00	0.4783	0.0068	5.78E-08
106		*	0.00	0.074	0.116	0.2097	0.0000	0.0000	0.00E+00	0.4782	0.0068	5.78E-08
107		*	0.00	0.000	0.000	0.2097	0.0000	0.0000	0.00E+00	0.4782	0.0068	5.78E-08
108		*	0.13	0.008	0.002	0.2150	0.0000	0.0000	0.00E+00	0.4781	0.0068	5.77E-08
109		*	1.10	0.760	0.002	0.2290	0.0000	0.0000	0.00E+00	0.4780	0.0068	5.77E-08
110		*	0.00	0.000	0.001	0.2290	0.0000	0.0000	0.00E+00	0.4779	0.0068	5.77E-08
111		*	0.00	0.000	0.000	0.2290	0.0000	0.0000	0.00E+00	0.4779	0.0068	5.77E-08
112	*	*	0.02	0.000	0.017	0.2290	0.0000	0.0000	0.00E+00	0.4778	0.0068	5.77E-08
113	*	*	0.01	0.000	0.013	0.2290	0.0000	0.0000	0.00E+00	0.4777	0.0068	5.77E-08
114		*	0.00	0.000	0.000	0.2290	0.0000	0.0000	0.00E+00	0.4776	0.0068	5.77E-08
115		*	0.08	0.001	0.002	0.2323	0.0000	0.0000	0.00E+00	0.4776	0.0068	5.77E-08
116		*	0.00	0.000	0.000	0.2323	0.0000	0.0000	0.00E+00	0.4775	0.0068	5.77E-08
117	*	*	0.07	0.000	0.067	0.2323	0.0000	0.0000	0.00E+00	0.4774	0.0068	5.77E-08
118	*	*	0.01	0.000	0.010	0.2323	0.0000	0.0000	0.00E+00	0.4773	0.0068	5.76E-08
119		*	0.10	0.005	0.002	0.2362	0.0000	0.0000	0.00E+00	0.4772	0.0068	5.76E-08
120		*	0.57	0.329	0.002	0.2461	0.0000	0.0000	0.00E+00	0.4772	0.0068	5.76E-08
121		*	0.00	0.000	0.000	0.2461	0.0000	0.0000	0.00E+00	0.4771	0.0068	5.76E-08
122		*	0.00	0.000	0.001	0.2462	0.0000	0.0000	0.00E+00	0.4770	0.0068	5.76E-08
123		*	0.00	0.000	0.001	0.2462	0.0000	0.0000	0.00E+00	0.4769	0.0068	5.76E-08
124		*	0.64	0.415	0.001	0.2555	0.0000	0.0000	0.00E+00	0.4769	0.0068	5.76E-08
125		*	0.09	0.008	0.001	0.2589	0.0000	0.0000	0.00E+00	0.4768	0.0068	5.76E-08
126		*	0.00	0.000	0.000	0.2589	0.0000	0.0000	0.00E+00	0.4767	0.0068	5.76E-08
127			0.00	0.000	0.205	0.2397	4.6872	0.2555	1.56E-04	0.4768	0.0068	5.76E-08
128			0.00	0.000	0.235	0.2127	7.5403	0.4110	2.50E-04	0.4772	0.0068	5.76E-08
129			0.00	0.000	0.218	0.1883	6.7746	0.3693	2.23E-04	0.4776	0.0068	5.77E-08
130	*		0.14	0.000	0.106	0.1755	5.9798	0.3260	1.96E-04	0.4780	0.0068	5.77E-08
131			0.00	0.000	0.071	0.1611	5.3262	0.2903	1.74E-04	0.4782	0.0068	5.78E-08
132			0.00	0.000	0.052	0.1502	3.8580	0.2103	1.24E-04	0.4783	0.0068	5.78E-08
133			1.28	0.000	0.043	0.1938	3.4787	0.1896	1.12E-04	0.4783	0.0068	5.78E-08
134			0.05	0.000	0.344	0.1746	3.0728	0.1675	9.84E-05	0.4782	0.0068	5.78E-08
135			0.00	0.000	0.284	0.1565	2.7338	0.1490	8.73E-05	0.4781	0.0068	5.77E-08
136			0.00	0.000	0.131	0.1456	2.3900	0.1303	7.61E-05	0.4780	0.0068	5.77E-08
137			0.08	0.000	0.056	0.1414	2.2177	0.1209	7.05E-05	0.4778	0.0068	5.77E-08
138			0.17	0.000	0.045	0.1418	2.0765	0.1132	6.59E-05	0.4776	0.0068	5.77E-08
139			0.00	0.000	0.036	0.1359	1.9260	0.1050	6.11E-05	0.4774	0.0068	5.77E-08
140			0.09	0.000	0.033	0.1345	1.7596	0.0959	5.57E-05	0.4772	0.0068	5.76E-08

141	0.00	0.000	0.151	0.1246	1.5999	0.0872	5.06E-05	0.4770	0.0068	5.76E-08
142	0.00	0.000	0.029	0.1201	1.4418	0.0786	4.55E-05	0.4767	0.0068	5.76E-08
143	0.49	0.000	0.029	0.1363	1.3031	0.0710	4.11E-05	0.4765	0.0068	5.75E-08
144	0.47	0.000	0.074	0.1502	1.1867	0.0647	3.74E-05	0.4763	0.0067	5.75E-08
145	0.13	0.000	0.129	0.1477	1.0695	0.0583	3.37E-05	0.4760	0.0067	5.75E-08
146	0.17	0.000	0.071	0.1497	0.9737	0.0531	3.06E-05	0.4758	0.0067	5.75E-08
147	0.46	0.000	0.273	0.1555	0.8866	0.0483	2.79E-05	0.4755	0.0067	5.74E-08
148	0.00	0.000	0.258	0.1430	0.8036	0.0438	2.52E-05	0.4753	0.0067	5.74E-08
149	0.06	0.000	0.204	0.1355	0.7430	0.0405	2.33E-05	0.4750	0.0067	5.74E-08
150	0.27	0.000	0.244	0.1350	0.6480	0.0353	2.03E-05	0.4748	0.0067	5.73E-08
151	0.00	0.000	0.278	0.1221	0.5699	0.0311	1.78E-05	0.4745	0.0067	5.73E-08
152	0.09	0.000	0.116	0.1197	0.5665	0.0309	1.77E-05	0.4743	0.0067	5.73E-08
153	0.00	0.000	0.058	0.1158	0.6376	0.0348	2.00E-05	0.4741	0.0067	5.73E-08
154	0.00	0.000	0.044	0.1125	0.6411	0.0349	2.01E-05	0.4739	0.0067	5.72E-08
155	0.00	0.000	0.040	0.1095	0.6110	0.0333	1.91E-05	0.4737	0.0067	5.72E-08
156	0.00	0.000	0.040	0.1065	0.5834	0.0318	1.83E-05	0.4735	0.0067	5.72E-08
157	0.00	0.000	0.032	0.1039	0.5595	0.0305	1.75E-05	0.4733	0.0067	5.72E-08
158	0.00	0.000	0.034	0.1013	0.5361	0.0292	1.68E-05	0.4731	0.0067	5.71E-08
159	0.36	0.000	0.030	0.1137	0.5071	0.0276	1.59E-05	0.4729	0.0067	5.71E-08
160	0.00	0.000	0.034	0.1112	0.4866	0.0265	1.52E-05	0.4728	0.0067	5.71E-08
161	0.00	0.000	0.031	0.1088	0.4631	0.0252	1.45E-05	0.4726	0.0067	5.71E-08
162	0.00	0.000	0.030	0.1066	0.4360	0.0238	1.36E-05	0.4724	0.0067	5.71E-08
163	0.00	0.000	0.030	0.1044	0.4059	0.0221	1.27E-05	0.4723	0.0067	5.70E-08
164	0.00	0.000	0.026	0.1025	0.3759	0.0205	1.17E-05	0.4721	0.0067	5.70E-08
165	0.00	0.000	0.032	0.1004	0.3475	0.0189	1.09E-05	0.4720	0.0067	5.70E-08
166	0.13	0.000	0.035	0.1038	0.3206	0.0175	1.00E-05	0.4718	0.0067	5.70E-08
167	0.00	0.000	0.031	0.1018	0.2946	0.0161	9.20E-06	0.4717	0.0067	5.70E-08
168	0.00	0.000	0.028	0.1000	0.2698	0.0147	8.42E-06	0.4715	0.0067	5.69E-08
169	0.00	0.000	0.037	0.0979	0.2539	0.0138	7.92E-06	0.4714	0.0067	5.69E-08
170	0.04	0.000	0.026	0.0978	0.2376	0.0130	7.41E-06	0.4713	0.0067	5.69E-08
171	0.00	0.000	0.030	0.0961	0.2196	0.0120	6.85E-06	0.4711	0.0067	5.69E-08
172	0.00	0.000	0.031	0.0944	0.1991	0.0109	6.21E-06	0.4710	0.0067	5.69E-08
173	0.75	0.000	0.040	0.1235	0.1875	0.0102	5.85E-06	0.4709	0.0067	5.69E-08
174	0.00	0.000	0.180	0.1157	0.1770	0.0096	5.52E-06	0.4708	0.0067	5.69E-08
175	0.00	0.000	0.307	0.1025	0.1533	0.0084	4.78E-06	0.4707	0.0067	5.68E-08
176	0.08	0.000	0.321	0.0920	0.1311	0.0071	4.09E-06	0.4706	0.0067	5.68E-08
177	0.00	0.000	0.147	0.0856	0.1221	0.0067	3.80E-06	0.4705	0.0067	5.68E-08

178	0.00	0.000	0.065	0.0826	0.1355	0.0074	4.22E-06	0.4704	0.0067	5.68E-08
179	0.00	0.000	0.073	0.0792	0.1513	0.0082	4.72E-06	0.4703	0.0067	5.68E-08
180	0.00	0.000	0.071	0.0759	0.1564	0.0085	4.88E-06	0.4702	0.0067	5.68E-08
181	0.00	0.000	0.051	0.0734	0.1548	0.0084	4.82E-06	0.4701	0.0067	5.68E-08
182	0.66	0.000	0.072	0.0974	0.1496	0.0082	4.66E-06	0.4700	0.0067	5.68E-08
183	0.21	0.000	0.327	0.0922	0.1424	0.0078	4.44E-06	0.4699	0.0067	5.67E-08
184	0.00	0.000	0.196	0.0837	0.1232	0.0067	3.84E-06	0.4698	0.0067	5.67E-08
185	0.00	0.000	0.168	0.0765	0.1042	0.0057	3.25E-06	0.4698	0.0067	5.67E-08
186	0.14	0.000	0.106	0.0778	0.0918	0.0050	2.86E-06	0.4697	0.0067	5.67E-08
187	0.00	0.000	0.064	0.0750	0.0874	0.0048	2.72E-06	0.4696	0.0067	5.67E-08
188	0.04	0.000	0.062	0.0740	0.0883	0.0048	2.75E-06	0.4695	0.0067	5.67E-08
189	0.00	0.000	0.071	0.0709	0.0873	0.0048	2.72E-06	0.4695	0.0067	5.67E-08
190	0.70	0.000	0.057	0.0973	0.0906	0.0049	2.82E-06	0.4694	0.0067	5.67E-08
191	0.57	0.000	0.134	0.1153	0.0924	0.0050	2.88E-06	0.4693	0.0066	5.67E-08
192	0.74	0.000	0.141	0.1400	0.0941	0.0051	2.93E-06	0.4693	0.0066	5.67E-08
193	0.00	0.000	0.138	0.1341	0.0943	0.0051	2.94E-06	0.4692	0.0066	5.67E-08
194	0.00	0.000	0.134	0.1283	0.0907	0.0049	2.82E-06	0.4692	0.0066	5.67E-08
195	0.00	0.000	0.129	0.1227	0.0777	0.0042	2.42E-06	0.4691	0.0066	5.66E-08
196	0.00	0.000	0.218	0.1134	0.0772	0.0042	2.40E-06	0.4690	0.0066	5.66E-08
197	0.47	0.000	0.199	0.1246	0.1280	0.0070	3.99E-06	0.4690	0.0066	5.66E-08
198	0.00	0.000	0.120	0.1192	0.1915	0.0104	5.97E-06	0.4689	0.0066	5.66E-08
199	0.00	0.000	0.259	0.1079	0.2311	0.0126	7.21E-06	0.4689	0.0066	5.66E-08
200	0.00	0.000	0.156	0.1007	0.2932	0.0160	9.16E-06	0.4689	0.0066	5.66E-08
201	0.00	0.000	0.088	0.0963	0.3370	0.0184	1.05E-05	0.4688	0.0066	5.66E-08
202	0.00	0.000	0.076	0.0923	0.3624	0.0198	1.13E-05	0.4688	0.0066	5.66E-08
203	0.01	0.000	0.075	0.0886	0.3747	0.0204	1.17E-05	0.4687	0.0066	5.66E-08
204	0.00	0.000	0.071	0.0850	0.3750	0.0204	1.17E-05	0.4687	0.0066	5.66E-08
205	1.25	0.000	0.116	0.1313	0.3685	0.0201	1.15E-05	0.4687	0.0066	5.66E-08
206	0.59	0.000	0.137	0.1494	0.3516	0.0192	1.10E-05	0.4686	0.0066	5.66E-08
207	0.00	0.000	0.217	0.1396	0.3303	0.0180	1.03E-05	0.4686	0.0066	5.66E-08
208	1.02	0.000	0.297	0.1691	0.3195	0.0174	9.98E-06	0.4686	0.0066	5.66E-08
209	0.23	0.000	0.131	0.1715	0.6833	0.0372	2.15E-05	0.4685	0.0066	5.66E-08
210	0.73	0.000	0.262	0.1881	1.2118	0.0661	3.82E-05	0.4685	0.0066	5.66E-08
211	0.00	0.000	0.225	0.1749	1.6807	0.0916	5.32E-05	0.4686	0.0066	5.66E-08
212	0.75	0.000	0.171	0.1936	2.3733	0.1294	7.56E-05	0.4686	0.0066	5.66E-08
213	0.00	0.000	0.255	0.1778	2.2648	0.1235	7.20E-05	0.4687	0.0066	5.66E-08
214	0.00	0.000	0.235	0.1626	2.4026	0.1310	7.65E-05	0.4688	0.0066	5.66E-08

215	0.00	0.000	0.216	0.1482	2.3832	0.1299	7.59E-05	0.4689	0.0066	5.66E-08
216	0.00	0.000	0.199	0.1349	2.2256	0.1213	7.08E-05	0.4689	0.0066	5.66E-08
217	0.00	0.000	0.203	0.1218	2.0414	0.1113	6.48E-05	0.4689	0.0066	5.66E-08
218	0.06	0.000	0.179	0.1128	1.8453	0.1006	5.85E-05	0.4689	0.0066	5.66E-08
219	0.19	0.000	0.162	0.1101	1.7266	0.0941	5.47E-05	0.4689	0.0066	5.66E-08
220	0.00	0.000	0.098	0.1024	1.6135	0.0880	5.10E-05	0.4688	0.0066	5.66E-08
221	0.00	0.000	0.142	0.0931	1.4769	0.0805	4.67E-05	0.4688	0.0066	5.66E-08
222	0.00	0.000	0.164	0.0832	1.3315	0.0726	4.20E-05	0.4687	0.0066	5.66E-08
223	0.00	0.000	0.103	0.0763	1.1623	0.0634	3.66E-05	0.4686	0.0066	5.66E-08
224	0.06	0.000	0.160	0.0694	1.1342	0.0618	3.57E-05	0.4685	0.0066	5.66E-08
225	0.00	0.000	0.155	0.0602	1.1937	0.0651	3.76E-05	0.4684	0.0066	5.66E-08
226	0.00	0.000	0.158	0.0513	1.0272	0.0560	3.23E-05	0.4683	0.0066	5.65E-08
227	0.00	0.000	0.127	0.0444	0.6750	0.0368	2.12E-05	0.4681	0.0066	5.65E-08
228	0.06	0.000	0.177	0.0389	0.3105	0.0169	9.70E-06	0.4680	0.0066	5.65E-08
229	0.00	0.000	0.052	0.0368	0.0140	0.0006	3.37E-07	0.4678	0.0066	5.65E-08
230	0.00	0.000	0.043	0.0350	0.0000	0.0000	0.00E+00	0.4676	0.0066	5.65E-08
231	0.39	0.000	0.115	0.0466	0.0000	0.0000	0.00E+00	0.4674	0.0066	5.64E-08
232	0.00	0.000	0.118	0.0417	0.0000	0.0000	0.00E+00	0.4673	0.0066	5.64E-08
233	0.30	0.000	0.098	0.0502	0.0000	0.0000	0.00E+00	0.4671	0.0066	5.64E-08
234	0.01	0.000	0.161	0.0439	0.0000	0.0000	0.00E+00	0.4670	0.0066	5.64E-08
235	0.00	0.000	0.235	0.0341	0.0000	0.0000	0.00E+00	0.4668	0.0066	5.64E-08
236	0.00	0.000	0.023	0.0332	0.0000	0.0000	0.00E+00	0.4667	0.0066	5.64E-08
237	0.02	0.000	0.037	0.0325	0.0000	0.0000	0.00E+00	0.4665	0.0066	5.63E-08
238	0.00	0.000	0.004	0.0325	0.0000	0.0000	0.00E+00	0.4664	0.0066	5.63E-08
239	0.09	0.000	0.025	0.0350	0.0000	0.0000	0.00E+00	0.4663	0.0066	5.63E-08
240	0.00	0.000	0.027	0.0339	0.0000	0.0000	0.00E+00	0.4662	0.0066	5.63E-08
241	1.02	0.000	0.060	0.0739	0.0000	0.0000	0.00E+00	0.4661	0.0066	5.63E-08
242	0.15	0.000	0.085	0.0767	0.0000	0.0000	0.00E+00	0.4660	0.0066	5.63E-08
243	0.00	0.000	0.072	0.0737	0.0000	0.0000	0.00E+00	0.4659	0.0066	5.63E-08
244	0.00	0.000	0.168	0.0667	0.0000	0.0000	0.00E+00	0.4658	0.0066	5.62E-08
245	0.00	0.000	0.133	0.0612	0.0000	0.0000	0.00E+00	0.4657	0.0066	5.62E-08
246	0.00	0.000	0.184	0.0535	0.0000	0.0000	0.00E+00	0.4656	0.0066	5.62E-08
247	0.00	0.000	0.104	0.0492	0.0000	0.0000	0.00E+00	0.4655	0.0066	5.62E-08
248	0.00	0.000	0.093	0.0453	0.0000	0.0000	0.00E+00	0.4654	0.0066	5.62E-08
249	0.00	0.000	0.065	0.0426	0.0000	0.0000	0.00E+00	0.4653	0.0066	5.62E-08
250	0.10	0.000	0.071	0.0437	0.0000	0.0000	0.00E+00	0.4653	0.0066	5.62E-08
251	0.00	0.000	0.047	0.0417	0.0000	0.0000	0.00E+00	0.4652	0.0066	5.62E-08

252	0.00	0.000	0.044	0.0399	0.0000	0.0000	0.00E+00	0.4651	0.0066	5.62E-08
253	0.00	0.000	0.034	0.0384	0.0000	0.0000	0.00E+00	0.4650	0.0066	5.62E-08
254	0.00	0.000	0.031	0.0372	0.0000	0.0000	0.00E+00	0.4650	0.0066	5.61E-08
255	0.00	0.000	0.019	0.0364	0.0000	0.0000	0.00E+00	0.4649	0.0066	5.61E-08
256	0.00	0.000	0.007	0.0361	0.0000	0.0000	0.00E+00	0.4648	0.0066	5.61E-08
257	0.00	0.000	0.004	0.0359	0.0000	0.0000	0.00E+00	0.4648	0.0066	5.61E-08
258	0.48	0.000	0.032	0.0544	0.0000	0.0000	0.00E+00	0.4647	0.0066	5.61E-08
259	0.01	0.000	0.143	0.0488	0.0000	0.0000	0.00E+00	0.4647	0.0066	5.61E-08
260	0.01	0.000	0.086	0.0454	0.0000	0.0000	0.00E+00	0.4646	0.0066	5.61E-08
261	0.00	0.000	0.018	0.0447	0.0000	0.0000	0.00E+00	0.4646	0.0066	5.61E-08
262	0.00	0.000	0.021	0.0438	0.0000	0.0000	0.00E+00	0.4645	0.0066	5.61E-08
263	0.00	0.000	0.023	0.0428	0.0000	0.0000	0.00E+00	0.4644	0.0066	5.61E-08
264	0.12	0.000	0.043	0.0460	0.0000	0.0000	0.00E+00	0.4644	0.0066	5.61E-08
265	0.14	0.000	0.136	0.0463	0.0000	0.0000	0.00E+00	0.4643	0.0066	5.61E-08
266	0.01	0.000	0.102	0.0424	0.0000	0.0000	0.00E+00	0.4643	0.0066	5.61E-08
267	0.06	0.000	0.086	0.0413	0.0000	0.0000	0.00E+00	0.4642	0.0066	5.61E-08
268	0.05	0.000	0.076	0.0402	0.0000	0.0000	0.00E+00	0.4642	0.0066	5.60E-08
269	0.00	0.000	0.059	0.0378	0.0000	0.0000	0.00E+00	0.4641	0.0066	5.60E-08
270	0.00	0.000	0.048	0.0358	0.0000	0.0000	0.00E+00	0.4641	0.0066	5.60E-08
271	0.13	0.000	0.052	0.0390	0.0000	0.0000	0.00E+00	0.4640	0.0066	5.60E-08
272	0.03	0.000	0.030	0.0389	0.0000	0.0000	0.00E+00	0.4640	0.0066	5.60E-08
273	0.06	0.000	0.027	0.0405	0.0000	0.0000	0.00E+00	0.4639	0.0066	5.60E-08
274	0.00	0.000	0.088	0.0369	0.0000	0.0000	0.00E+00	0.4639	0.0066	5.60E-08
275	0.00	0.000	0.017	0.0362	0.0000	0.0000	0.00E+00	0.4638	0.0066	5.60E-08
276	0.54	0.000	0.031	0.0572	0.0000	0.0000	0.00E+00	0.4638	0.0066	5.60E-08
277	0.05	0.000	0.086	0.0557	0.0000	0.0000	0.00E+00	0.4637	0.0066	5.60E-08
278	0.00	0.000	0.066	0.0529	0.0000	0.0000	0.00E+00	0.4637	0.0066	5.60E-08
279	0.00	0.000	0.038	0.0514	0.0000	0.0000	0.00E+00	0.4636	0.0066	5.60E-08
280	0.00	0.000	0.056	0.0490	0.0000	0.0000	0.00E+00	0.4636	0.0066	5.60E-08
281	0.00	0.000	0.098	0.0449	0.0000	0.0000	0.00E+00	0.4635	0.0066	5.60E-08
282	0.00	0.000	0.166	0.0380	0.0000	0.0000	0.00E+00	0.4635	0.0066	5.60E-08
283	0.00	0.000	0.065	0.0353	0.0000	0.0000	0.00E+00	0.4634	0.0066	5.60E-08
284	0.56	0.000	0.057	0.0563	0.0000	0.0000	0.00E+00	0.4634	0.0066	5.60E-08
285	0.00	0.000	0.029	0.0550	0.0000	0.0000	0.00E+00	0.4633	0.0066	5.59E-08
286	0.00	0.000	0.036	0.0536	0.0000	0.0000	0.00E+00	0.4633	0.0066	5.59E-08
287	0.00	0.000	0.041	0.0519	0.0000	0.0000	0.00E+00	0.4633	0.0066	5.59E-08
288	0.00	0.000	0.024	0.0508	0.0000	0.0000	0.00E+00	0.4632	0.0066	5.59E-08

289	*	0.00	0.000	0.000	0.0508	0.0000	0.0000	0.00E+00	0.4632	0.0066	5.59E-08
290		0.00	0.000	0.033	0.0494	0.0000	0.0000	0.00E+00	0.4631	0.0066	5.59E-08
291		0.25	0.000	0.062	0.0573	0.0000	0.0000	0.00E+00	0.4631	0.0066	5.59E-08
292	*	0.00	0.000	0.000	0.0573	0.0000	0.0000	0.00E+00	0.4630	0.0066	5.59E-08
293		0.13	0.000	0.048	0.0607	0.0000	0.0000	0.00E+00	0.4630	0.0066	5.59E-08
294		0.00	0.000	0.023	0.0597	0.0000	0.0000	0.00E+00	0.4629	0.0066	5.59E-08
295	*	0.11	0.000	0.036	0.0605	0.0000	0.0000	0.00E+00	0.4628	0.0066	5.59E-08
296	*	0.00	0.000	0.024	0.0613	0.0000	0.0000	0.00E+00	0.4628	0.0066	5.59E-08
297	*	0.00	0.000	0.033	0.0604	0.0000	0.0000	0.00E+00	0.4627	0.0066	5.59E-08
298		0.00	0.000	0.046	0.0585	0.0000	0.0000	0.00E+00	0.4627	0.0066	5.59E-08
299		0.00	0.000	0.046	0.0566	0.0000	0.0000	0.00E+00	0.4626	0.0066	5.59E-08
300		0.00	0.000	0.026	0.0555	0.0000	0.0000	0.00E+00	0.4626	0.0066	5.59E-08
301	*	0.00	0.000	0.024	0.0546	0.0000	0.0000	0.00E+00	0.4625	0.0066	5.58E-08
302	*	0.09	0.000	0.026	0.0554	0.0000	0.0000	0.00E+00	0.4625	0.0066	5.58E-08
303	*	0.00	0.000	0.021	0.0563	0.0000	0.0000	0.00E+00	0.4624	0.0066	5.58E-08
304	*	0.00	0.000	0.027	0.0554	0.0000	0.0000	0.00E+00	0.4624	0.0066	5.58E-08
305		0.00	0.000	0.046	0.0535	0.0000	0.0000	0.00E+00	0.4623	0.0065	5.58E-08
306		0.00	0.000	0.062	0.0509	0.0000	0.0000	0.00E+00	0.4623	0.0065	5.58E-08
307		0.00	0.000	0.036	0.0494	0.0000	0.0000	0.00E+00	0.4622	0.0065	5.58E-08
308		0.00	0.000	0.059	0.0469	0.0000	0.0000	0.00E+00	0.4622	0.0065	5.58E-08
309	*	0.00	0.000	0.024	0.0459	0.0000	0.0000	0.00E+00	0.4621	0.0065	5.58E-08
310		0.00	0.000	0.065	0.0432	0.0000	0.0000	0.00E+00	0.4620	0.0065	5.58E-08
311		0.00	0.000	0.058	0.0408	0.0000	0.0000	0.00E+00	0.4620	0.0065	5.58E-08
312		0.00	0.000	0.040	0.0391	0.0000	0.0000	0.00E+00	0.4619	0.0065	5.58E-08
313		0.05	0.000	0.069	0.0384	0.0000	0.0000	0.00E+00	0.4619	0.0065	5.58E-08
314		0.00	0.000	0.007	0.0381	0.0000	0.0000	0.00E+00	0.4618	0.0065	5.58E-08
315	*	0.00	0.000	0.000	0.0381	0.0009	0.0000	3.10E-08	0.4618	0.0065	5.58E-08
316	*	0.00	0.000	0.000	0.0381	0.0033	0.0002	1.15E-07	0.4617	0.0065	5.57E-08
317		0.00	0.000	0.003	0.0380	0.0044	0.0002	1.48E-07	0.4616	0.0065	5.57E-08
318		0.00	0.000	0.004	0.0378	0.0121	0.0007	3.87E-07	0.4616	0.0065	5.57E-08
319		0.00	0.000	0.004	0.0376	0.0159	0.0009	5.02E-07	0.4615	0.0065	5.57E-08
320		0.00	0.000	0.005	0.0373	0.0201	0.0011	6.32E-07	0.4615	0.0065	5.57E-08
321		0.00	0.000	0.000	0.0373	0.0193	0.0011	6.08E-07	0.4614	0.0065	5.57E-08
322		0.38	0.000	0.020	0.0524	0.0166	0.0009	5.25E-07	0.4614	0.0065	5.57E-08
323		0.00	0.000	0.061	0.0498	0.0227	0.0012	7.13E-07	0.4613	0.0065	5.57E-08
324		0.00	0.000	0.020	0.0489	0.0274	0.0015	8.57E-07	0.4612	0.0065	5.57E-08
325		0.00	0.000	0.047	0.0469	0.0236	0.0013	7.40E-07	0.4612	0.0065	5.57E-08

326	*		0.00	0.000	0.015	0.0462	0.0203	0.0011	6.39E-07	0.4611	0.0065	5.57E-08
327	*		0.00	0.000	0.000	0.0462	0.0175	0.0010	5.52E-07	0.4611	0.0065	5.57E-08
328			0.00	0.000	0.021	0.0453	0.0151	0.0008	4.77E-07	0.4610	0.0065	5.57E-08
329	*		0.00	0.000	0.018	0.0445	0.0130	0.0007	4.13E-07	0.4609	0.0065	5.57E-08
330	*		0.00	0.000	0.000	0.0445	0.0112	0.0006	3.58E-07	0.4609	0.0065	5.56E-08
331	*		0.00	0.000	0.000	0.0445	0.0096	0.0005	3.10E-07	0.4608	0.0065	5.56E-08
332	*		0.00	0.000	0.018	0.0437	0.0083	0.0005	2.69E-07	0.4608	0.0065	5.56E-08
333			0.00	0.000	0.021	0.0428	0.0071	0.0004	2.33E-07	0.4607	0.0065	5.56E-08
334	*		0.06	0.000	0.010	0.0436	0.0062	0.0003	2.03E-07	0.4606	0.0065	5.56E-08
335	*		0.06	0.000	0.019	0.0444	0.0053	0.0003	1.77E-07	0.4606	0.0065	5.56E-08
336	*		0.00	0.000	0.005	0.0453	0.0046	0.0002	1.54E-07	0.4605	0.0065	5.56E-08
337			0.00	0.000	0.027	0.0454	0.0039	0.0002	1.35E-07	0.4604	0.0065	5.56E-08
338			0.00	0.000	0.035	0.0439	0.0080	0.0004	2.58E-07	0.4604	0.0065	5.56E-08
339	*		0.00	0.000	0.000	0.0439	0.0101	0.0006	3.25E-07	0.4603	0.0065	5.56E-08
340	*		0.00	0.000	0.017	0.0431	0.0091	0.0005	2.94E-07	0.4602	0.0065	5.56E-08
341	*		0.11	0.000	0.018	0.0439	0.0081	0.0004	2.63E-07	0.4602	0.0065	5.56E-08
342			0.06	0.000	0.033	0.0481	0.0070	0.0004	2.29E-07	0.4601	0.0065	5.56E-08
343			0.08	0.000	0.027	0.0501	0.0084	0.0005	2.73E-07	0.4600	0.0065	5.55E-08
344	*		0.00	0.000	0.016	0.0494	0.0241	0.0013	7.54E-07	0.4600	0.0065	5.55E-08
345	*		0.01	0.000	0.022	0.0487	0.0317	0.0017	9.89E-07	0.4599	0.0065	5.55E-08
346	*		0.00	0.000	0.000	0.0486	0.0394	0.0021	1.23E-06	0.4599	0.0065	5.55E-08
347	*	*	0.00	0.000	0.000	0.0485	0.0370	0.0020	1.15E-06	0.4598	0.0065	5.55E-08
348	*	*	0.00	0.000	0.000	0.0485	0.0319	0.0017	9.96E-07	0.4597	0.0065	5.55E-08
349	*	*	0.00	0.000	0.000	0.0484	0.0275	0.0015	8.59E-07	0.4597	0.0065	5.55E-08
350	*	*	0.09	0.000	0.005	0.0483	0.0237	0.0013	7.42E-07	0.4596	0.0065	5.55E-08
351	*	*	0.00	0.000	0.012	0.0483	0.0204	0.0011	6.41E-07	0.4595	0.0065	5.55E-08
352	*	*	0.00	0.000	0.013	0.0483	0.0176	0.0010	5.54E-07	0.4595	0.0065	5.55E-08
353	*	*	0.00	0.000	0.011	0.0482	0.0151	0.0008	4.79E-07	0.4594	0.0065	5.55E-08
354	*	*	0.00	0.000	0.010	0.0482	0.0130	0.0007	4.14E-07	0.4593	0.0065	5.55E-08
355	*	*	0.01	0.000	0.000	0.0482	0.0112	0.0006	3.59E-07	0.4593	0.0065	5.54E-08
356	*	*	0.06	0.000	0.011	0.0482	0.0097	0.0005	3.11E-07	0.4592	0.0065	5.54E-08
357	*	*	0.02	0.000	0.009	0.0481	0.0083	0.0005	2.70E-07	0.4591	0.0065	5.54E-08
358	*	*	0.00	0.000	0.025	0.0481	0.0072	0.0004	2.34E-07	0.4591	0.0065	5.54E-08
359	*	*	0.00	0.000	0.019	0.0481	0.0062	0.0003	2.03E-07	0.4590	0.0065	5.54E-08
360	*	*	0.03	0.000	0.006	0.0481	0.0053	0.0003	1.77E-07	0.4589	0.0065	5.54E-08
361	*	*	0.12	0.000	0.010	0.0481	0.0046	0.0002	1.54E-07	0.4589	0.0065	5.54E-08
362	*	*	0.07	0.000	0.010	0.0481	0.0039	0.0002	1.35E-07	0.4588	0.0065	5.54E-08

363	*	*	0.00	0.000	0.004	0.0481	0.0034	0.0002	1.18E-07	0.4587	0.0065	5.54E-08
364	*	*	0.14	0.000	0.000	0.0481	0.0029	0.0002	1.04E-07	0.4586	0.0065	5.54E-08
365		*	0.00	0.014	0.000	0.0638	0.0025	0.0001	9.11E-08	0.4586	0.0065	5.54E-08

* = Frozen (air or soil)

Annual Totals for Year 5			
	inches	cubic feet	percent
Precipitation	27.18	829,669.9	100.00
Runoff	2.526	77,116.5	9.29
Evapotranspiration	19.986	610,145.0	73.54
Drainage Collected from Layer 2	6.1098	186,522.2	22.48
Percolation/Leakage through Layer 3	0.003588	109.5	0.01
Average Head on Top of Layer 3	0.3071	---	---
Drainage Collected from Layer 5	2.4392	74,465.3	8.98
Percolation/Leakage through Layer 7	0.000021	0.6347	0.00
Average Head on Top of Layer 6	0.4717	---	---
Change in Water Storage	-3.8843	-118,579.8	-14.29
Soil Water at Start of Year	322.3599	9,841,099.1	1186.15
Soil Water at End of Year	318.4756	9,722,519.3	1171.85
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 6

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.0638	0.0022	0.0001	8.22E-08	0.4585	0.0065	5.54E-08
2	*	*	0.00	0.000	0.000	0.0638	0.0019	0.0001	7.10E-08	0.4584	0.0065	5.53E-08
3		*	0.00	0.000	0.000	0.0638	0.0016	0.0001	6.31E-08	0.4584	0.0065	5.53E-08
4		*	0.00	0.000	0.000	0.0638	0.0014	0.0001	5.62E-08	0.4583	0.0065	5.53E-08
5		*	0.00	0.000	0.000	0.0638	0.0012	0.0001	5.03E-08	0.4582	0.0065	5.53E-08
6	*	*	0.00	0.000	0.000	0.0638	0.0010	0.0001	4.52E-08	0.4582	0.0065	5.53E-08
7	*	*	0.00	0.000	0.000	0.0638	0.0009	0.0000	4.08E-08	0.4581	0.0065	5.53E-08
8	*	*	0.00	0.000	0.000	0.0638	0.0008	0.0000	3.70E-08	0.4580	0.0065	5.53E-08
9	*	*	0.00	0.000	0.000	0.0638	0.0007	0.0000	3.38E-08	0.4580	0.0065	5.53E-08
10	*	*	0.00	0.000	0.000	0.0638	0.0006	0.0000	3.10E-08	0.4579	0.0065	5.53E-08
11	*	*	0.01	0.000	0.009	0.0638	0.0005	0.0000	2.86E-08	0.4578	0.0065	5.53E-08
12	*	*	0.20	0.000	0.004	0.0638	0.0004	0.0000	2.65E-08	0.4577	0.0065	5.53E-08
13	*	*	0.09	0.000	0.005	0.0638	0.0004	0.0000	2.47E-08	0.4577	0.0065	5.53E-08
14	*	*	0.06	0.000	0.002	0.0638	0.0003	0.0000	2.32E-08	0.4576	0.0065	5.52E-08
15	*	*	0.06	0.000	0.003	0.0638	0.0003	0.0000	2.18E-08	0.4575	0.0065	5.52E-08
16	*	*	0.00	0.000	0.000	0.0638	0.0002	0.0000	2.07E-08	0.4575	0.0065	5.52E-08
17	*	*	0.00	0.000	0.000	0.0638	0.0002	0.0000	1.97E-08	0.4574	0.0065	5.52E-08
18	*	*	0.00	0.000	0.021	0.0638	0.0002	0.0000	1.89E-08	0.4573	0.0065	5.52E-08
19		*	0.00	0.019	0.000	0.0786	0.0001	0.0000	1.81E-08	0.4573	0.0065	5.52E-08
20		*	0.00	0.000	0.000	0.0786	0.0001	0.0000	1.75E-08	0.4572	0.0065	5.52E-08
21	*	*	0.00	0.000	0.000	0.0786	0.0001	0.0000	1.70E-08	0.4571	0.0065	5.52E-08
22		*	0.00	0.000	0.000	0.0786	0.0001	0.0000	1.65E-08	0.4571	0.0065	5.52E-08
23		*	0.14	0.000	0.005	0.0844	0.0001	0.0000	1.61E-08	0.4570	0.0065	5.52E-08
24		*	0.02	0.000	0.004	0.0850	0.0001	0.0000	1.57E-08	0.4569	0.0065	5.52E-08
25		*	0.00	0.000	0.000	0.0850	0.0001	0.0000	1.54E-08	0.4568	0.0065	5.52E-08
26	*	*	0.00	0.000	0.000	0.0850	0.0001	0.0000	1.52E-08	0.4568	0.0065	5.51E-08
27		*	0.08	0.000	0.004	0.0882	0.0000	0.0000	1.50E-08	0.4567	0.0065	5.51E-08
28	*	*	0.04	0.000	0.017	0.0882	0.0000	0.0000	1.48E-08	0.4566	0.0065	5.51E-08
29	*	*	0.00	0.000	0.014	0.0882	0.0000	0.0000	1.46E-08	0.4566	0.0065	5.51E-08

30	*	*	0.00	0.000	0.005	0.0882	0.0000	0.0000	1.45E-08	0.4565	0.0065	5.51E-08
31	*	*	0.00	0.000	0.000	0.0882	0.0000	0.0000	1.44E-08	0.4564	0.0065	5.51E-08
32	*	*	0.00	0.000	0.000	0.0882	0.0000	0.0000	1.42E-08	0.4564	0.0065	5.51E-08
33	*	*	0.00	0.000	0.000	0.0882	0.0000	0.0000	1.42E-08	0.4563	0.0065	5.51E-08
34	*	*	0.00	0.000	0.000	0.0882	0.0000	0.0000	1.41E-08	0.4562	0.0065	5.51E-08
35	*	*	0.00	0.000	0.000	0.0882	0.0000	0.0000	1.40E-08	0.4561	0.0065	5.51E-08
36	*	*	0.00	0.000	0.000	0.0882	0.0000	0.0000	1.40E-08	0.4561	0.0065	5.51E-08
37	*	*	0.17	0.000	0.003	0.0882	0.0000	0.0000	1.39E-08	0.4560	0.0065	5.50E-08
38	*	*	0.00	0.000	0.008	0.0882	0.0000	0.0000	1.39E-08	0.4559	0.0065	5.50E-08
39	*	*	0.00	0.000	0.015	0.0882	0.0000	0.0000	1.38E-08	0.4559	0.0065	5.50E-08
40	*	*	0.00	0.000	0.026	0.0882	0.0000	0.0000	1.38E-08	0.4558	0.0065	5.50E-08
41	*	*	0.00	0.000	0.011	0.0882	0.0000	0.0000	1.38E-08	0.4557	0.0065	5.50E-08
42	*	*	0.00	0.000	0.037	0.0882	0.0000	0.0000	1.37E-08	0.4557	0.0065	5.50E-08
43		*	0.00	0.000	0.059	0.0888	0.0000	0.0000	1.37E-08	0.4556	0.0065	5.50E-08
44	*	*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.37E-08	0.4555	0.0065	5.50E-08
45		*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.37E-08	0.4554	0.0065	5.50E-08
46	*	*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.37E-08	0.4554	0.0065	5.50E-08
47	*	*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.37E-08	0.4553	0.0065	5.50E-08
48	*	*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.37E-08	0.4552	0.0064	5.50E-08
49	*	*	0.22	0.000	0.004	0.0888	0.0000	0.0000	1.37E-08	0.4552	0.0064	5.49E-08
50	*	*	0.11	0.000	0.004	0.0888	0.0000	0.0000	1.36E-08	0.4551	0.0064	5.49E-08
51	*	*	0.00	0.000	0.009	0.0888	0.0000	0.0000	1.36E-08	0.4550	0.0064	5.49E-08
52	*	*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.36E-08	0.4550	0.0064	5.49E-08
53	*	*	0.00	0.000	0.006	0.0888	0.0000	0.0000	1.36E-08	0.4549	0.0064	5.49E-08
54	*	*	0.00	0.000	0.010	0.0888	0.0000	0.0000	1.36E-08	0.4548	0.0064	5.49E-08
55	*	*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.36E-08	0.4547	0.0064	5.49E-08
56	*	*	0.00	0.000	0.000	0.0888	0.0000	0.0000	1.36E-08	0.4547	0.0064	5.49E-08
57	*	*	0.01	0.000	0.000	0.0888	0.0000	0.0000	1.36E-08	0.4546	0.0064	5.49E-08
58	*	*	0.00	0.000	0.005	0.0888	0.0000	0.0000	1.36E-08	0.4545	0.0064	5.49E-08
59	*	*	0.00	0.000	0.025	0.0888	0.0000	0.0000	1.36E-08	0.4545	0.0064	5.49E-08
60	*	*	0.04	0.000	0.020	0.0888	0.0000	0.0000	1.36E-08	0.4544	0.0064	5.49E-08
61	*	*	0.04	0.000	0.000	0.0888	0.0000	0.0000	1.36E-08	0.4543	0.0064	5.48E-08
62		*	0.14	0.076	0.038	0.1038	0.0000	0.0000	1.25E-09	0.4542	0.0064	5.48E-08
63	*	*	0.06	0.000	0.026	0.1038	0.0000	0.0000	0.00E+00	0.4542	0.0064	5.48E-08
64	*	*	0.15	0.000	0.000	0.1038	0.0000	0.0000	0.00E+00	0.4541	0.0064	5.48E-08
65		*	0.00	0.001	0.061	0.1087	0.0000	0.0000	0.00E+00	0.4540	0.0064	5.48E-08
66		*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4540	0.0064	5.48E-08

67		*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4539	0.0064	5.48E-08
68	*	*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4538	0.0064	5.48E-08
69	*	*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4538	0.0064	5.48E-08
70	*	*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4537	0.0064	5.48E-08
71		*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4536	0.0064	5.48E-08
72	*	*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4535	0.0064	5.47E-08
73		*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4535	0.0064	5.47E-08
74		*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4534	0.0064	5.47E-08
75		*	0.00	0.000	0.000	0.1087	0.0000	0.0000	0.00E+00	0.4533	0.0064	5.47E-08
76		*	0.32	0.030	0.003	0.1206	0.0000	0.0000	0.00E+00	0.4533	0.0064	5.47E-08
77		*	0.00	0.000	0.000	0.1206	0.0000	0.0000	0.00E+00	0.4532	0.0064	5.47E-08
78		*	0.00	0.000	0.000	0.1206	0.0000	0.0000	0.00E+00	0.4531	0.0064	5.47E-08
79		*	0.00	0.000	0.000	0.1206	0.0000	0.0000	0.00E+00	0.4530	0.0064	5.47E-08
80	*	*	0.00	0.000	0.000	0.1206	0.0000	0.0000	0.00E+00	0.4530	0.0064	5.47E-08
81	*	*	0.00	0.000	0.000	0.1206	0.0000	0.0000	0.00E+00	0.4529	0.0064	5.47E-08
82	*	*	0.06	0.000	0.013	0.1206	0.0000	0.0000	0.00E+00	0.4528	0.0064	5.47E-08
83	*	*	0.09	0.000	0.015	0.1206	0.0000	0.0000	0.00E+00	0.4528	0.0064	5.47E-08
84		*	0.06	0.003	0.086	0.1245	0.0000	0.0000	0.00E+00	0.4527	0.0064	5.46E-08
85	*	*	0.00	0.000	0.003	0.1245	0.0000	0.0000	0.00E+00	0.4526	0.0064	5.46E-08
86	*	*	0.02	0.000	0.023	0.1245	0.0000	0.0000	0.00E+00	0.4526	0.0064	5.46E-08
87		*	0.39	0.069	0.003	0.1376	0.0000	0.0000	0.00E+00	0.4525	0.0064	5.46E-08
88		*	0.08	0.000	0.003	0.1408	0.0000	0.0000	0.00E+00	0.4524	0.0064	5.46E-08
89		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4523	0.0064	5.46E-08
90		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4523	0.0064	5.46E-08
91		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4522	0.0064	5.46E-08
92	*	*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4521	0.0064	5.46E-08
93		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4521	0.0064	5.46E-08
94		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4520	0.0064	5.46E-08
95		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4519	0.0064	5.46E-08
96		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4519	0.0064	5.45E-08
97	*	*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4518	0.0064	5.45E-08
98	*	*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4517	0.0064	5.45E-08
99		*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4516	0.0064	5.45E-08
100	*	*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4516	0.0064	5.45E-08
101	*	*	0.00	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4515	0.0064	5.45E-08
102	*	*	0.60	0.000	0.004	0.1408	0.0000	0.0000	0.00E+00	0.4514	0.0064	5.45E-08
103	*	*	0.11	0.000	0.011	0.1408	0.0000	0.0000	0.00E+00	0.4514	0.0064	5.45E-08

104	*	*	0.17	0.000	0.003	0.1408	0.0000	0.0000	0.00E+00	0.4513	0.0064	5.45E-08
105	*	*	0.00	0.000	0.015	0.1408	0.0000	0.0000	0.00E+00	0.4512	0.0064	5.45E-08
106	*	*	0.29	0.000	0.000	0.1408	0.0000	0.0000	0.00E+00	0.4511	0.0064	5.45E-08
107	*	*	0.00	0.000	0.018	0.1408	0.0000	0.0000	0.00E+00	0.4511	0.0064	5.44E-08
108	*	*	0.00	0.000	0.007	0.1408	0.0000	0.0000	0.00E+00	0.4510	0.0064	5.44E-08
109		*	0.31	0.531	0.000	0.1601	0.0000	0.0000	0.00E+00	0.4509	0.0064	5.44E-08
110		*	0.00	0.129	0.068	0.1693	0.0000	0.0000	0.00E+00	0.4509	0.0064	5.44E-08
111		*	0.00	0.000	0.000	0.1693	0.0000	0.0000	0.00E+00	0.4508	0.0064	5.44E-08
112		*	0.00	0.000	0.000	0.1693	0.0000	0.0000	0.00E+00	0.4507	0.0064	5.44E-08
113		*	0.00	0.000	0.000	0.1693	0.0000	0.0000	0.00E+00	0.4507	0.0064	5.44E-08
114		*	0.01	0.000	0.003	0.1698	0.0000	0.0000	0.00E+00	0.4506	0.0064	5.44E-08
115		*	0.51	0.211	0.003	0.1822	0.0000	0.0000	0.00E+00	0.4505	0.0064	5.44E-08
116		*	0.00	0.000	0.000	0.1822	0.0000	0.0000	0.00E+00	0.4504	0.0064	5.44E-08
117		*	0.00	0.000	0.000	0.1822	0.0000	0.0000	0.00E+00	0.4504	0.0064	5.44E-08
118		*	0.00	0.000	0.000	0.1822	0.0000	0.0000	0.00E+00	0.4503	0.0064	5.44E-08
119		*	0.00	0.000	0.000	0.1822	0.0000	0.0000	0.00E+00	0.4502	0.0064	5.43E-08
120		*	0.00	0.000	0.002	0.1823	0.0000	0.0000	0.00E+00	0.4502	0.0064	5.43E-08
121		*	0.26	0.054	0.003	0.1906	0.0000	0.0000	0.00E+00	0.4501	0.0064	5.43E-08
122		*	0.00	0.000	0.000	0.1906	0.0000	0.0000	0.00E+00	0.4500	0.0064	5.43E-08
123			0.01	0.000	0.192	0.1801	1.2795	0.0697	4.13E-05	0.4500	0.0064	5.43E-08
124	*		0.29	0.000	0.043	0.1726	3.6342	0.1981	1.17E-04	0.4501	0.0064	5.43E-08
125	*		0.23	0.000	0.017	0.1663	3.1339	0.1708	1.00E-04	0.4503	0.0064	5.44E-08
126	*		0.00	0.000	0.000	0.1609	2.7453	0.1496	8.77E-05	0.4504	0.0064	5.44E-08
127			0.38	0.000	0.017	0.1874	2.4812	0.1353	7.91E-05	0.4505	0.0064	5.44E-08
128			0.00	0.000	0.137	0.1766	2.2498	0.1226	7.16E-05	0.4505	0.0064	5.44E-08
129			0.03	0.000	0.300	0.1603	2.1362	0.1164	6.79E-05	0.4505	0.0064	5.44E-08
130			0.16	0.000	0.249	0.1518	2.1466	0.1170	6.82E-05	0.4505	0.0064	5.44E-08
131			0.00	0.000	0.314	0.1341	2.0387	0.1111	6.47E-05	0.4505	0.0064	5.44E-08
132			0.00	0.000	0.129	0.1245	1.8494	0.1008	5.86E-05	0.4505	0.0064	5.44E-08
133			0.00	0.000	0.054	0.1183	1.7257	0.0941	5.46E-05	0.4504	0.0064	5.44E-08
134			0.00	0.000	0.042	0.1130	1.5454	0.0842	4.88E-05	0.4503	0.0064	5.44E-08
135			0.00	0.000	0.035	0.1084	1.4082	0.0768	4.45E-05	0.4502	0.0064	5.43E-08
136			0.00	0.000	0.032	0.1041	1.2929	0.0705	4.08E-05	0.4501	0.0064	5.43E-08
137			0.03	0.000	0.031	0.1013	1.1854	0.0646	3.73E-05	0.4499	0.0064	5.43E-08
138			0.00	0.000	0.028	0.0977	1.0865	0.0592	3.42E-05	0.4498	0.0064	5.43E-08
139			0.00	0.000	0.026	0.0944	0.9934	0.0542	3.12E-05	0.4497	0.0064	5.43E-08
140			0.66	0.000	0.027	0.1187	0.8879	0.0484	2.79E-05	0.4495	0.0064	5.43E-08

141		0.00	0.000	0.221	0.1076	0.7947	0.0433	2.49E-05	0.4494	0.0064	5.42E-08
142		0.00	0.000	0.023	0.1051	0.7175	0.0391	2.25E-05	0.4492	0.0064	5.42E-08
143	*	0.01	0.000	0.030	0.1026	0.6731	0.0367	2.11E-05	0.4490	0.0064	5.42E-08
144		0.02	0.000	0.023	0.1009	0.6280	0.0342	1.97E-05	0.4489	0.0064	5.42E-08
145		0.00	0.000	0.019	0.0988	0.5823	0.0317	1.82E-05	0.4487	0.0064	5.42E-08
146		0.00	0.000	0.020	0.0967	0.5372	0.0293	1.68E-05	0.4485	0.0064	5.41E-08
147		0.00	0.000	0.019	0.0948	0.4937	0.0269	1.54E-05	0.4484	0.0064	5.41E-08
148		0.28	0.000	0.021	0.1047	0.4526	0.0247	1.42E-05	0.4482	0.0064	5.41E-08
149		0.00	0.000	0.019	0.1029	0.4142	0.0226	1.29E-05	0.4481	0.0063	5.41E-08
150		0.00	0.000	0.020	0.1012	0.3784	0.0206	1.18E-05	0.4479	0.0063	5.41E-08
151		0.00	0.000	0.022	0.0995	0.3454	0.0188	1.08E-05	0.4478	0.0063	5.40E-08
152		0.00	0.000	0.022	0.0979	0.3151	0.0172	9.84E-06	0.4476	0.0063	5.40E-08
153		0.03	0.000	0.020	0.0977	0.2879	0.0157	8.99E-06	0.4475	0.0063	5.40E-08
154		0.00	0.000	0.020	0.0963	0.2638	0.0144	8.24E-06	0.4473	0.0063	5.40E-08
155		0.00	0.000	0.019	0.0949	0.2419	0.0132	7.55E-06	0.4472	0.0063	5.40E-08
156		0.45	0.000	0.021	0.1125	0.2209	0.0120	6.89E-06	0.4470	0.0063	5.40E-08
157		0.00	0.000	0.284	0.1002	0.1974	0.0108	6.16E-06	0.4469	0.0063	5.39E-08
158		0.00	0.000	0.180	0.0923	0.1715	0.0093	5.35E-06	0.4468	0.0063	5.39E-08
159		0.00	0.000	0.138	0.0862	0.1535	0.0084	4.79E-06	0.4466	0.0063	5.39E-08
160		0.00	0.000	0.063	0.0832	0.1465	0.0080	4.57E-06	0.4465	0.0063	5.39E-08
161		0.00	0.000	0.050	0.0808	0.1451	0.0079	4.52E-06	0.4464	0.0063	5.39E-08
162		0.00	0.000	0.047	0.0785	0.1423	0.0078	4.44E-06	0.4463	0.0063	5.39E-08
163		0.00	0.000	0.043	0.0764	0.1395	0.0076	4.35E-06	0.4462	0.0063	5.38E-08
164		0.00	0.000	0.042	0.0743	0.1402	0.0076	4.37E-06	0.4460	0.0063	5.38E-08
165		0.00	0.000	0.039	0.0724	0.1377	0.0075	4.29E-06	0.4459	0.0063	5.38E-08
166		0.01	0.000	0.036	0.0709	0.1329	0.0072	4.14E-06	0.4458	0.0063	5.38E-08
167		0.01	0.000	0.035	0.0694	0.1266	0.0069	3.95E-06	0.4457	0.0063	5.38E-08
168		0.00	0.000	0.040	0.0675	0.1200	0.0065	3.74E-06	0.4456	0.0063	5.38E-08
169		0.02	0.000	0.048	0.0661	0.1116	0.0061	3.48E-06	0.4455	0.0063	5.38E-08
170		0.00	0.000	0.044	0.0640	0.1053	0.0057	3.28E-06	0.4454	0.0063	5.38E-08
171		0.00	0.000	0.045	0.0619	0.0989	0.0054	3.08E-06	0.4454	0.0063	5.38E-08
172		0.09	0.000	0.057	0.0630	0.0928	0.0051	2.89E-06	0.4453	0.0063	5.37E-08
173		0.00	0.000	0.052	0.0606	0.0869	0.0047	2.71E-06	0.4452	0.0063	5.37E-08
174		0.00	0.000	0.059	0.0580	0.0813	0.0044	2.53E-06	0.4451	0.0063	5.37E-08
175		0.00	0.000	0.050	0.0558	0.0759	0.0041	2.36E-06	0.4450	0.0063	5.37E-08
176		0.00	0.000	0.058	0.0532	0.0689	0.0038	2.15E-06	0.4449	0.0063	5.37E-08
177		0.00	0.000	0.060	0.0505	0.0620	0.0034	1.93E-06	0.4449	0.0063	5.37E-08

178	0.00	0.000	0.068	0.0475	0.0651	0.0035	2.03E-06	0.4448	0.0063	5.37E-08
179	0.91	0.000	0.071	0.0824	0.0729	0.0040	2.27E-06	0.4447	0.0063	5.37E-08
180	0.00	0.000	0.163	0.0753	0.1248	0.0068	3.89E-06	0.4446	0.0063	5.37E-08
181	0.15	0.000	0.319	0.0680	0.1454	0.0079	4.53E-06	0.4446	0.0063	5.37E-08
182	0.00	0.000	0.183	0.0601	0.1263	0.0069	3.93E-06	0.4445	0.0063	5.36E-08
183	0.11	0.000	0.100	0.0602	0.1059	0.0058	3.30E-06	0.4444	0.0063	5.36E-08
184	0.08	0.000	0.077	0.0600	0.0882	0.0048	2.75E-06	0.4444	0.0063	5.36E-08
185	0.05	0.000	0.086	0.0584	0.0730	0.0040	2.27E-06	0.4443	0.0063	5.36E-08
186	0.58	0.000	0.091	0.0786	0.0585	0.0032	1.82E-06	0.4442	0.0063	5.36E-08
187	0.15	0.000	0.262	0.0738	0.0697	0.0038	2.17E-06	0.4442	0.0063	5.36E-08
188	0.00	0.000	0.271	0.0623	0.0780	0.0043	2.43E-06	0.4441	0.0063	5.36E-08
189	0.00	0.000	0.188	0.0543	0.0589	0.0032	1.83E-06	0.4440	0.0063	5.36E-08
190	0.05	0.000	0.216	0.0474	0.0219	0.0011	6.50E-07	0.4440	0.0063	5.36E-08
191	0.16	0.000	0.154	0.0475	0.0000	0.0000	0.00E+00	0.4439	0.0063	5.36E-08
192	0.00	0.000	0.194	0.0394	0.0000	0.0000	0.00E+00	0.4438	0.0063	5.36E-08
193	0.04	0.000	0.072	0.0381	0.0000	0.0000	0.00E+00	0.4438	0.0063	5.36E-08
194	0.01	0.000	0.039	0.0368	0.0000	0.0000	0.00E+00	0.4437	0.0063	5.36E-08
195	0.00	0.000	0.037	0.0352	0.0000	0.0000	0.00E+00	0.4437	0.0063	5.35E-08
196	0.84	0.000	0.093	0.0661	0.0000	0.0000	0.00E+00	0.4436	0.0063	5.35E-08
197	0.00	0.000	0.160	0.0596	0.0000	0.0000	0.00E+00	0.4435	0.0063	5.35E-08
198	0.02	0.000	0.234	0.0507	0.0000	0.0000	0.00E+00	0.4435	0.0063	5.35E-08
199	0.00	0.000	0.140	0.0448	0.0000	0.0000	0.00E+00	0.4434	0.0063	5.35E-08
200	0.00	0.000	0.139	0.0391	0.0000	0.0000	0.00E+00	0.4434	0.0063	5.35E-08
201	0.00	0.000	0.135	0.0334	0.0000	0.0000	0.00E+00	0.4433	0.0063	5.35E-08
202	0.00	0.000	0.023	0.0325	0.0000	0.0000	0.00E+00	0.4433	0.0063	5.35E-08
203	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.4432	0.0063	5.35E-08
204	1.26	0.000	0.061	0.0824	0.0000	0.0000	0.00E+00	0.4431	0.0063	5.35E-08
205	0.16	0.000	0.249	0.0787	0.0000	0.0000	0.00E+00	0.4431	0.0063	5.35E-08
206	0.03	0.000	0.117	0.0752	0.0000	0.0000	0.00E+00	0.4430	0.0063	5.35E-08
207	0.22	0.000	0.257	0.0736	0.0000	0.0000	0.00E+00	0.4430	0.0063	5.35E-08
208	0.00	0.000	0.259	0.0628	0.0000	0.0000	0.00E+00	0.4429	0.0063	5.35E-08
209	0.00	0.000	0.185	0.0551	0.0000	0.0000	0.00E+00	0.4429	0.0063	5.34E-08
210	0.00	0.000	0.166	0.0482	0.0000	0.0000	0.00E+00	0.4428	0.0063	5.34E-08
211	0.00	0.000	0.261	0.0373	0.0000	0.0000	0.00E+00	0.4428	0.0063	5.34E-08
212	0.73	0.000	0.196	0.0595	0.0000	0.0000	0.00E+00	0.4427	0.0063	5.34E-08
213	0.00	0.000	0.187	0.0517	0.0000	0.0000	0.00E+00	0.4427	0.0063	5.34E-08
214	0.00	0.000	0.119	0.0468	0.0000	0.0000	0.00E+00	0.4426	0.0063	5.34E-08

215	0.05	0.000	0.102	0.0444	0.0000	0.0000	0.00E+00	0.4426	0.0063	5.34E-08
216	0.03	0.000	0.204	0.0372	0.0000	0.0000	0.00E+00	0.4425	0.0063	5.34E-08
217	0.38	0.000	0.205	0.0443	0.0000	0.0000	0.00E+00	0.4425	0.0063	5.34E-08
218	0.00	0.000	0.117	0.0394	0.0000	0.0000	0.00E+00	0.4424	0.0063	5.34E-08
219	0.00	0.000	0.084	0.0361	0.0000	0.0000	0.00E+00	0.4424	0.0063	5.34E-08
220	0.34	0.000	0.144	0.0445	0.0000	0.0000	0.00E+00	0.4423	0.0063	5.34E-08
221	0.00	0.000	0.126	0.0393	0.0000	0.0000	0.00E+00	0.4423	0.0063	5.34E-08
222	0.00	0.000	0.134	0.0337	0.0000	0.0000	0.00E+00	0.4422	0.0063	5.34E-08
223	0.00	0.000	0.020	0.0329	0.0000	0.0000	0.00E+00	0.4422	0.0063	5.34E-08
224	0.00	0.000	0.009	0.0325	0.0000	0.0000	0.00E+00	0.4421	0.0063	5.34E-08
225	0.34	0.000	0.065	0.0439	0.0000	0.0000	0.00E+00	0.4421	0.0063	5.33E-08
226	0.00	0.000	0.101	0.0397	0.0000	0.0000	0.00E+00	0.4420	0.0063	5.33E-08
227	0.00	0.000	0.136	0.0340	0.0000	0.0000	0.00E+00	0.4420	0.0063	5.33E-08
228	0.22	0.000	0.058	0.0407	0.0000	0.0000	0.00E+00	0.4419	0.0063	5.33E-08
229	0.00	0.000	0.106	0.0363	0.0000	0.0000	0.00E+00	0.4419	0.0063	5.33E-08
230	0.00	0.000	0.053	0.0340	0.0000	0.0000	0.00E+00	0.4418	0.0063	5.33E-08
231	0.08	0.000	0.041	0.0356	0.0000	0.0000	0.00E+00	0.4417	0.0063	5.33E-08
232	0.23	0.000	0.035	0.0436	0.0000	0.0000	0.00E+00	0.4417	0.0063	5.33E-08
233	0.99	0.000	0.110	0.0803	0.0000	0.0000	0.00E+00	0.4416	0.0063	5.33E-08
234	0.00	0.000	0.149	0.0741	0.0000	0.0000	0.00E+00	0.4416	0.0063	5.33E-08
235	0.07	0.000	0.095	0.0732	0.0000	0.0000	0.00E+00	0.4415	0.0063	5.33E-08
236	0.01	0.000	0.098	0.0694	0.0000	0.0000	0.00E+00	0.4415	0.0063	5.33E-08
237	0.00	0.000	0.115	0.0647	0.0000	0.0000	0.00E+00	0.4414	0.0063	5.33E-08
238	0.55	0.000	0.227	0.0780	0.0000	0.0000	0.00E+00	0.4414	0.0063	5.33E-08
239	0.00	0.000	0.204	0.0694	0.0000	0.0000	0.00E+00	0.4413	0.0063	5.33E-08
240	0.85	0.000	0.085	0.1014	0.0000	0.0000	0.00E+00	0.4413	0.0063	5.33E-08
241	0.00	0.000	0.133	0.0959	0.0000	0.0000	0.00E+00	0.4412	0.0063	5.32E-08
242	0.00	0.000	0.165	0.0890	0.0000	0.0000	0.00E+00	0.4412	0.0063	5.32E-08
243	0.01	0.000	0.157	0.0828	0.0000	0.0000	0.00E+00	0.4411	0.0062	5.32E-08
244	0.01	0.000	0.072	0.0801	0.0000	0.0000	0.00E+00	0.4411	0.0062	5.32E-08
245	0.00	0.000	0.145	0.0741	0.0000	0.0000	0.00E+00	0.4410	0.0062	5.32E-08
246	0.00	0.000	0.147	0.0679	0.0000	0.0000	0.00E+00	0.4409	0.0062	5.32E-08
247	0.00	0.000	0.107	0.0635	0.0000	0.0000	0.00E+00	0.4409	0.0062	5.32E-08
248	0.00	0.000	0.084	0.0600	0.0000	0.0000	0.00E+00	0.4408	0.0062	5.32E-08
249	0.00	0.000	0.084	0.0565	0.0000	0.0000	0.00E+00	0.4408	0.0062	5.32E-08
250	0.00	0.000	0.062	0.0539	0.0000	0.0000	0.00E+00	0.4407	0.0062	5.32E-08
251	0.00	0.000	0.044	0.0521	0.0000	0.0000	0.00E+00	0.4407	0.0062	5.32E-08

252			1.15	0.000	0.056	0.0975	0.0000	0.0000	0.00E+00	0.4406	0.0062	5.32E-08
253			0.04	0.000	0.106	0.0946	0.0000	0.0000	0.00E+00	0.4406	0.0062	5.32E-08
254			0.00	0.000	0.096	0.0906	0.0000	0.0000	0.00E+00	0.4405	0.0062	5.32E-08
255			0.00	0.000	0.175	0.0833	0.0000	0.0000	0.00E+00	0.4404	0.0062	5.32E-08
256			0.30	0.000	0.167	0.0889	0.0000	0.0000	0.00E+00	0.4404	0.0062	5.31E-08
257			0.00	0.000	0.098	0.0848	0.0000	0.0000	0.00E+00	0.4403	0.0062	5.31E-08
258			0.00	0.000	0.187	0.0770	0.0000	0.0000	0.00E+00	0.4403	0.0062	5.31E-08
259			0.17	0.000	0.073	0.0810	0.0038	0.0002	1.29E-07	0.4402	0.0062	5.31E-08
260			0.27	0.000	0.099	0.0884	0.0131	0.0007	4.16E-07	0.4402	0.0062	5.31E-08
261	*		0.33	0.000	0.026	0.0891	0.0155	0.0008	4.91E-07	0.4401	0.0062	5.31E-08
262			0.00	0.000	0.059	0.0985	0.0133	0.0007	4.24E-07	0.4400	0.0062	5.31E-08
263			0.00	0.000	0.129	0.0932	0.0106	0.0006	3.41E-07	0.4400	0.0062	5.31E-08
264			0.11	0.000	0.157	0.0914	0.0087	0.0005	2.81E-07	0.4399	0.0062	5.31E-08
265			0.12	0.000	0.072	0.0934	0.0196	0.0011	6.16E-07	0.4399	0.0062	5.31E-08
266			0.00	0.000	0.063	0.0907	0.0210	0.0011	6.59E-07	0.4398	0.0062	5.31E-08
267			0.00	0.000	0.088	0.0870	0.0177	0.0010	5.57E-07	0.4397	0.0062	5.31E-08
268			0.00	0.000	0.036	0.0855	0.0171	0.0009	5.39E-07	0.4397	0.0062	5.31E-08
269	*		0.00	0.000	0.000	0.0854	0.0185	0.0010	5.83E-07	0.4396	0.0062	5.31E-08
270	*		0.00	0.000	0.000	0.0854	0.0160	0.0009	5.05E-07	0.4396	0.0062	5.30E-08
271	*		0.00	0.000	0.000	0.0854	0.0138	0.0008	4.39E-07	0.4395	0.0062	5.30E-08
272	*		0.00	0.000	0.000	0.0853	0.0119	0.0007	3.81E-07	0.4395	0.0062	5.30E-08
273	*		0.00	0.000	0.000	0.0853	0.0103	0.0006	3.31E-07	0.4394	0.0062	5.30E-08
274			0.06	0.000	0.044	0.0861	0.0089	0.0005	2.88E-07	0.4393	0.0062	5.30E-08
275			0.01	0.000	0.120	0.0817	0.0115	0.0006	3.67E-07	0.4393	0.0062	5.30E-08
276	*		0.16	0.000	0.058	0.0825	0.0111	0.0006	3.55E-07	0.4392	0.0062	5.30E-08
277			0.01	0.000	0.123	0.0812	0.0118	0.0006	3.78E-07	0.4391	0.0062	5.30E-08
278			0.08	0.000	0.126	0.0791	0.0212	0.0012	6.65E-07	0.4391	0.0062	5.30E-08
279			0.01	0.000	0.130	0.0741	0.0338	0.0018	1.05E-06	0.4390	0.0062	5.30E-08
280			0.01	0.000	0.071	0.0717	0.0304	0.0017	9.50E-07	0.4390	0.0062	5.30E-08
281			0.15	0.000	0.132	0.0723	0.0344	0.0019	1.07E-06	0.4389	0.0062	5.30E-08
282			0.00	0.000	0.053	0.0699	0.0459	0.0025	1.43E-06	0.4388	0.0062	5.30E-08
283			0.00	0.000	0.041	0.0682	0.0416	0.0023	1.30E-06	0.4388	0.0062	5.30E-08
284			0.16	0.000	0.047	0.0730	0.0359	0.0020	1.12E-06	0.4387	0.0062	5.29E-08
285			0.00	0.000	0.030	0.0716	0.0312	0.0017	9.75E-07	0.4387	0.0062	5.29E-08
286			0.00	0.000	0.027	0.0704	0.0291	0.0016	9.11E-07	0.4386	0.0062	5.29E-08
287			0.00	0.000	0.025	0.0693	0.0251	0.0014	7.88E-07	0.4385	0.0062	5.29E-08
288			0.00	0.000	0.023	0.0683	0.0217	0.0012	6.80E-07	0.4385	0.0062	5.29E-08

289		0.00	0.000	0.022	0.0674	0.0187	0.0010	5.88E-07	0.4384	0.0062	5.29E-08
290		0.00	0.000	0.021	0.0665	0.0161	0.0009	5.08E-07	0.4384	0.0062	5.29E-08
291		0.00	0.000	0.020	0.0656	0.0138	0.0008	4.39E-07	0.4383	0.0062	5.29E-08
292		0.00	0.000	0.019	0.0648	0.0119	0.0006	3.80E-07	0.4382	0.0062	5.29E-08
293		0.36	0.000	0.029	0.0786	0.0103	0.0006	3.29E-07	0.4382	0.0062	5.29E-08
294		0.00	0.000	0.128	0.0733	0.0088	0.0005	2.86E-07	0.4381	0.0062	5.29E-08
295		0.00	0.000	0.199	0.0649	0.0249	0.0014	7.79E-07	0.4380	0.0062	5.29E-08
296		0.00	0.000	0.066	0.0621	0.0391	0.0021	1.22E-06	0.4380	0.0062	5.29E-08
297		0.00	0.000	0.053	0.0598	0.0407	0.0022	1.27E-06	0.4379	0.0062	5.28E-08
298		0.00	0.000	0.041	0.0580	0.0407	0.0022	1.27E-06	0.4378	0.0062	5.28E-08
299	*	0.00	0.000	0.030	0.0567	0.0397	0.0022	1.24E-06	0.4378	0.0062	5.28E-08
300	*	0.00	0.000	0.000	0.0566	0.0362	0.0020	1.13E-06	0.4377	0.0062	5.28E-08
301	*	0.52	0.000	0.002	0.0573	0.0312	0.0017	9.73E-07	0.4377	0.0062	5.28E-08
302	*	0.00	0.000	0.007	0.0581	0.0268	0.0015	8.40E-07	0.4376	0.0062	5.28E-08
303		0.06	0.000	0.000	0.0803	0.0231	0.0013	7.25E-07	0.4375	0.0062	5.28E-08
304		0.10	0.000	0.075	0.0811	0.0234	0.0013	7.34E-07	0.4375	0.0062	5.28E-08
305		0.02	0.000	0.068	0.0792	0.0271	0.0015	8.49E-07	0.4374	0.0062	5.28E-08
306		1.52	0.000	0.070	0.1397	0.0297	0.0016	9.29E-07	0.4373	0.0062	5.28E-08
307		0.10	0.000	0.086	0.1402	0.0283	0.0015	8.84E-07	0.4373	0.0062	5.28E-08
308		0.00	0.000	0.087	0.1365	0.0244	0.0013	7.64E-07	0.4372	0.0062	5.28E-08
309		0.00	0.000	0.093	0.1326	0.0217	0.0012	6.82E-07	0.4371	0.0062	5.28E-08
310		0.00	0.000	0.099	0.1283	0.0862	0.0047	2.69E-06	0.4371	0.0062	5.27E-08
311		0.00	0.000	0.056	0.1254	0.2231	0.0122	6.96E-06	0.4370	0.0062	5.27E-08
312		0.00	0.000	0.142	0.1188	0.3307	0.0180	1.03E-05	0.4370	0.0062	5.27E-08
313		0.00	0.000	0.093	0.1140	0.4019	0.0219	1.26E-05	0.4369	0.0062	5.27E-08
314		0.00	0.000	0.057	0.1106	0.4141	0.0226	1.29E-05	0.4369	0.0062	5.27E-08
315		0.00	0.000	0.054	0.1074	0.4154	0.0226	1.30E-05	0.4369	0.0062	5.27E-08
316		0.00	0.000	0.041	0.1047	0.4245	0.0231	1.33E-05	0.4368	0.0062	5.27E-08
317		0.00	0.000	0.035	0.1023	0.4327	0.0236	1.35E-05	0.4368	0.0062	5.27E-08
318		0.03	0.000	0.037	0.1008	0.4388	0.0239	1.37E-05	0.4367	0.0062	5.27E-08
319		0.00	0.000	0.028	0.0987	0.4196	0.0229	1.31E-05	0.4367	0.0062	5.27E-08
320		0.00	0.000	0.025	0.0967	0.4205	0.0229	1.31E-05	0.4366	0.0062	5.27E-08
321		0.00	0.000	0.023	0.0948	0.4113	0.0224	1.29E-05	0.4366	0.0062	5.27E-08
322		0.04	0.000	0.028	0.0945	0.4138	0.0226	1.29E-05	0.4365	0.0062	5.27E-08
323		0.15	0.000	0.027	0.0986	0.3968	0.0216	1.24E-05	0.4364	0.0062	5.27E-08
324		0.02	0.000	0.025	0.0975	0.3691	0.0201	1.15E-05	0.4364	0.0062	5.27E-08
325		0.00	0.000	0.019	0.0959	0.3424	0.0187	1.07E-05	0.4363	0.0062	5.26E-08

326		0.00	0.000	0.018	0.0944	0.3169	0.0173	9.90E-06	0.4362	0.0062	5.26E-08
327		0.00	0.000	0.018	0.0930	0.3014	0.0164	9.41E-06	0.4362	0.0062	5.26E-08
328		0.00	0.000	0.017	0.0916	0.2889	0.0157	9.02E-06	0.4361	0.0062	5.26E-08
329		0.00	0.000	0.016	0.0903	0.2758	0.0150	8.61E-06	0.4360	0.0062	5.26E-08
330		0.00	0.000	0.016	0.0891	0.2622	0.0143	8.18E-06	0.4359	0.0062	5.26E-08
331		0.00	0.000	0.016	0.0878	0.2488	0.0136	7.77E-06	0.4359	0.0062	5.26E-08
332		0.01	0.000	0.019	0.0869	0.2362	0.0129	7.37E-06	0.4358	0.0062	5.26E-08
333	*	0.13	0.000	0.017	0.0872	0.2234	0.0122	6.97E-06	0.4357	0.0062	5.26E-08
334		0.00	0.000	0.042	0.0886	0.2113	0.0115	6.59E-06	0.4356	0.0062	5.26E-08
335		0.00	0.000	0.015	0.0876	0.2023	0.0110	6.31E-06	0.4355	0.0062	5.26E-08
336		0.22	0.000	0.019	0.0956	0.1945	0.0106	6.07E-06	0.4355	0.0062	5.25E-08
337	*	0.04	0.000	0.018	0.0960	0.1850	0.0101	5.77E-06	0.4354	0.0062	5.25E-08
338	*	0.01	0.000	0.017	0.0957	0.1751	0.0095	5.46E-06	0.4353	0.0062	5.25E-08
339	*	0.00	0.000	0.000	0.0953	0.1667	0.0091	5.20E-06	0.4352	0.0062	5.25E-08
340	*	0.00	0.000	0.000	0.0950	0.1592	0.0087	4.96E-06	0.4351	0.0062	5.25E-08
341	*	0.00	0.000	0.000	0.0946	0.1523	0.0083	4.75E-06	0.4351	0.0062	5.25E-08
342	*	0.02	0.000	0.002	0.0951	0.1458	0.0079	4.54E-06	0.4350	0.0062	5.25E-08
343	*	0.01	0.000	0.003	0.0951	0.1396	0.0076	4.35E-06	0.4349	0.0062	5.25E-08
344	*	0.00	0.000	0.000	0.0948	0.1337	0.0073	4.17E-06	0.4348	0.0062	5.25E-08
345	*	0.18	0.000	0.026	0.0954	0.1281	0.0070	3.99E-06	0.4347	0.0062	5.25E-08
346	*	0.12	0.000	0.021	0.0959	0.1226	0.0067	3.82E-06	0.4347	0.0062	5.24E-08
347		0.02	0.000	0.016	0.1047	0.1174	0.0064	3.66E-06	0.4346	0.0062	5.24E-08
348		0.17	0.000	0.034	0.1101	0.1145	0.0062	3.57E-06	0.4345	0.0062	5.24E-08
349	*	0.00	0.000	0.021	0.1090	0.1126	0.0061	3.51E-06	0.4344	0.0062	5.24E-08
350		0.00	0.000	0.040	0.1071	0.1093	0.0060	3.41E-06	0.4343	0.0062	5.24E-08
351		0.00	0.000	0.036	0.1054	0.1063	0.0058	3.31E-06	0.4343	0.0062	5.24E-08
352		0.03	0.000	0.039	0.1047	0.1013	0.0055	3.15E-06	0.4342	0.0062	5.24E-08
353		0.00	0.000	0.032	0.1032	0.0913	0.0050	2.84E-06	0.4341	0.0062	5.24E-08
354		0.00	0.000	0.053	0.1008	0.0787	0.0043	2.45E-06	0.4340	0.0061	5.24E-08
355		0.00	0.000	0.036	0.0993	0.0699	0.0038	2.18E-06	0.4340	0.0061	5.24E-08
356		0.03	0.000	0.055	0.0981	0.0694	0.0038	2.16E-06	0.4339	0.0061	5.24E-08
357		0.00	0.000	0.048	0.0959	0.0692	0.0038	2.15E-06	0.4338	0.0061	5.23E-08
358	*	0.00	0.000	0.000	0.0958	0.0652	0.0036	2.03E-06	0.4337	0.0061	5.23E-08
359	*	0.00	0.000	0.026	0.0946	0.0646	0.0035	2.01E-06	0.4337	0.0061	5.23E-08
360	*	0.04	0.000	0.021	0.0952	0.0636	0.0035	1.98E-06	0.4336	0.0061	5.23E-08
361	*	0.00	0.000	0.001	0.0951	0.0644	0.0035	2.01E-06	0.4335	0.0061	5.23E-08
362	*	0.01	0.000	0.006	0.0950	0.0645	0.0035	2.01E-06	0.4334	0.0061	5.23E-08

363	0.02	0.000	0.041	0.0939	0.0625	0.0034	1.94E-06	0.4334	0.0061	5.23E-08
364	0.03	0.000	0.032	0.0936	0.0587	0.0032	1.83E-06	0.4333	0.0061	5.23E-08
365	0.00	0.000	0.034	0.0923	0.0566	0.0031	1.76E-06	0.4332	0.0061	5.23E-08

* = Frozen (air or soil)

Annual Totals for Year 6			
	inches	cubic feet	percent
Precipitation	24.49	747,694.8	100.00
Runoff	1.123	34,282.0	4.59
Evapotranspiration	19.538	596,469.1	79.77
Drainage Collected from Layer 2	3.1453	96,019.4	12.84
Percolation/Leakage through Layer 3	0.001823	55.6	0.01
Average Head on Top of Layer 3	0.1581	---	---
Drainage Collected from Layer 5	2.3043	70,345.1	9.41
Percolation/Leakage through Layer 7	0.000020	0.5993	0.00
Average Head on Top of Layer 6	0.4456	---	---
Change in Water Storage	-1.6189	-49,421.6	-6.61
Soil Water at Start of Year	318.4756	9,722,519.3	1300.33
Soil Water at End of Year	316.8567	9,673,097.7	1293.72
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status* Air	Freezing Status* Soil	Rain (inches)	Runoff (inches)	ET (inches)	Evap. Zone Water (in/in)	Head #1 (inches)	Drain #1 (inches)	Leak #1 (inches)	Head #2 (inches)	Drain #2 (inches)	Leak #2 (inches)
1			0.00	0.000	0.060	0.0896	0.0581	0.0032	1.81E-06	0.4331	0.0061	5.23E-08
2			0.00	0.000	0.040	0.0878	0.0632	0.0034	1.97E-06	0.4331	0.0061	5.23E-08
3			0.00	0.000	0.037	0.0862	0.0655	0.0036	2.04E-06	0.4330	0.0061	5.22E-08
4			0.00	0.000	0.041	0.0843	0.0665	0.0036	2.07E-06	0.4329	0.0061	5.22E-08
5	*		0.03	0.000	0.024	0.0843	0.0648	0.0035	2.02E-06	0.4329	0.0061	5.22E-08
6	*		0.22	0.000	0.024	0.0849	0.0603	0.0033	1.88E-06	0.4328	0.0061	5.22E-08
7	*		0.00	0.000	0.020	0.0856	0.0563	0.0031	1.75E-06	0.4327	0.0061	5.22E-08
8	*		0.00	0.000	0.008	0.0863	0.0528	0.0029	1.64E-06	0.4327	0.0061	5.22E-08
9	*		0.00	0.000	0.027	0.0870	0.0498	0.0027	1.55E-06	0.4326	0.0061	5.22E-08
10			0.00	0.000	0.032	0.0884	0.0471	0.0026	1.47E-06	0.4325	0.0061	5.22E-08
11	*		0.30	0.000	0.013	0.0891	0.0447	0.0024	1.39E-06	0.4325	0.0061	5.22E-08
12			0.04	0.000	0.000	0.1013	0.0427	0.0023	1.33E-06	0.4324	0.0061	5.22E-08
13			0.12	0.000	0.037	0.1056	0.0407	0.0022	1.27E-06	0.4323	0.0061	5.22E-08
14			0.01	0.000	0.038	0.1043	0.0410	0.0022	1.28E-06	0.4323	0.0061	5.22E-08
15	*		0.03	0.000	0.018	0.1046	0.0414	0.0023	1.29E-06	0.4322	0.0061	5.21E-08
16	*		0.00	0.000	0.000	0.1045	0.0398	0.0022	1.24E-06	0.4321	0.0061	5.21E-08
17	*		0.00	0.000	0.000	0.1044	0.0380	0.0021	1.18E-06	0.4321	0.0061	5.21E-08
18	*		0.02	0.000	0.032	0.1037	0.0349	0.0019	1.09E-06	0.4320	0.0061	5.21E-08
19	*	*	0.00	0.000	0.002	0.1036	0.0307	0.0017	9.57E-07	0.4319	0.0061	5.21E-08
20		*	0.10	0.000	0.003	0.1077	0.0264	0.0014	8.26E-07	0.4319	0.0061	5.21E-08
21		*	0.14	0.000	0.003	0.1133	0.0227	0.0012	7.13E-07	0.4318	0.0061	5.21E-08
22	*	*	0.01	0.000	0.011	0.1133	0.0196	0.0011	6.16E-07	0.4318	0.0061	5.21E-08
23	*	*	0.00	0.000	0.000	0.1132	0.0169	0.0009	5.33E-07	0.4317	0.0061	5.21E-08
24	*	*	0.00	0.000	0.000	0.1132	0.0145	0.0008	4.61E-07	0.4316	0.0061	5.21E-08
25	*	*	0.00	0.000	0.000	0.1132	0.0125	0.0007	3.99E-07	0.4316	0.0061	5.21E-08
26	*	*	0.00	0.000	0.000	0.1132	0.0108	0.0006	3.45E-07	0.4315	0.0061	5.21E-08
27	*	*	0.00	0.000	0.000	0.1131	0.0093	0.0005	2.99E-07	0.4314	0.0061	5.21E-08
28	*	*	0.00	0.000	0.000	0.1131	0.0080	0.0004	2.59E-07	0.4314	0.0061	5.20E-08
29	*	*	0.05	0.000	0.015	0.1131	0.0069	0.0004	2.25E-07	0.4313	0.0061	5.20E-08

30	*	*	0.04	0.000	0.008	0.1131	0.0059	0.0003	1.96E-07	0.4312	0.0061	5.20E-08
31	*	*	0.00	0.000	0.009	0.1131	0.0051	0.0003	1.71E-07	0.4312	0.0061	5.20E-08
32	*	*	0.14	0.000	0.005	0.1131	0.0044	0.0002	1.49E-07	0.4311	0.0061	5.20E-08
33	*	*	0.16	0.000	0.006	0.1131	0.0038	0.0002	1.30E-07	0.4311	0.0061	5.20E-08
34	*	*	0.00	0.000	0.006	0.1131	0.0033	0.0002	1.14E-07	0.4310	0.0061	5.20E-08
35	*	*	0.00	0.000	0.021	0.1130	0.0028	0.0002	1.00E-07	0.4309	0.0061	5.20E-08
36	*	*	0.05	0.000	0.023	0.1130	0.0024	0.0001	8.81E-08	0.4309	0.0061	5.20E-08
37		*	0.00	0.000	0.000	0.1209	0.0021	0.0001	7.65E-08	0.4308	0.0061	5.20E-08
38	*	*	0.17	0.000	0.012	0.1208	0.0018	0.0001	6.88E-08	0.4307	0.0061	5.20E-08
39		*	0.07	0.045	0.000	0.1359	0.0015	0.0001	6.11E-08	0.4307	0.0061	5.20E-08
40	*	*	0.00	0.000	0.000	0.1359	0.0013	0.0001	5.45E-08	0.4306	0.0061	5.20E-08
41	*	*	0.00	0.000	0.000	0.1359	0.0011	0.0001	4.89E-08	0.4306	0.0061	5.19E-08
42		*	0.00	0.000	0.000	0.1359	0.0010	0.0001	4.40E-08	0.4305	0.0061	5.19E-08
43		*	0.00	0.000	0.000	0.1359	0.0008	0.0000	3.97E-08	0.4304	0.0061	5.19E-08
44	*	*	0.00	0.000	0.000	0.1359	0.0007	0.0000	3.61E-08	0.4304	0.0061	5.19E-08
45	*	*	0.00	0.000	0.000	0.1359	0.0006	0.0000	3.30E-08	0.4303	0.0061	5.19E-08
46	*	*	0.00	0.000	0.000	0.1359	0.0005	0.0000	3.03E-08	0.4303	0.0061	5.19E-08
47	*	*	0.00	0.000	0.000	0.1359	0.0005	0.0000	2.80E-08	0.4302	0.0061	5.19E-08
48	*	*	0.31	0.000	0.005	0.1359	0.0004	0.0000	2.60E-08	0.4301	0.0061	5.19E-08
49	*	*	0.00	0.000	0.023	0.1359	0.0003	0.0000	2.43E-08	0.4301	0.0061	5.19E-08
50		*	0.00	0.018	0.020	0.1461	0.0003	0.0000	2.28E-08	0.4300	0.0061	5.19E-08
51		*	0.67	0.231	0.003	0.1644	0.0003	0.0000	2.15E-08	0.4300	0.0061	5.19E-08
52	*	*	0.20	0.000	0.013	0.1644	0.0002	0.0000	2.04E-08	0.4299	0.0061	5.19E-08
53		*	0.00	0.007	0.036	0.1702	0.0002	0.0000	1.95E-08	0.4298	0.0061	5.19E-08
54	*	*	0.00	0.000	0.000	0.1702	0.0002	0.0000	1.87E-08	0.4298	0.0061	5.19E-08
55	*	*	0.00	0.000	0.000	0.1702	0.0001	0.0000	1.80E-08	0.4297	0.0061	5.18E-08
56		*	0.00	0.000	0.000	0.1702	0.0001	0.0000	1.73E-08	0.4297	0.0061	5.18E-08
57		*	0.00	0.000	0.000	0.1702	0.0001	0.0000	1.68E-08	0.4296	0.0061	5.18E-08
58	*	*	0.00	0.000	0.000	0.1702	0.0001	0.0000	1.64E-08	0.4295	0.0061	5.18E-08
59	*	*	0.00	0.000	0.000	0.1702	0.0001	0.0000	1.60E-08	0.4295	0.0061	5.18E-08
60		*	0.00	0.000	0.000	0.1702	0.0001	0.0000	1.57E-08	0.4294	0.0061	5.18E-08
61	*	*	0.00	0.000	0.000	0.1702	0.0001	0.0000	1.54E-08	0.4294	0.0061	5.18E-08
62		*	0.00	0.000	0.000	0.1702	0.0000	0.0000	1.51E-08	0.4293	0.0061	5.18E-08
63		*	0.03	0.000	0.002	0.1714	0.0000	0.0000	1.49E-08	0.4292	0.0061	5.18E-08
64	*	*	0.00	0.000	0.000	0.1714	0.0000	0.0000	1.47E-08	0.4292	0.0061	5.18E-08
65		*	0.00	0.000	0.000	0.1714	0.0000	0.0000	1.46E-08	0.4291	0.0061	5.18E-08
66		*	0.00	0.000	0.000	0.1714	0.0000	0.0000	1.44E-08	0.4290	0.0061	5.18E-08

67		*	0.00	0.000	0.000	0.1714	0.0000	0.0000	1.43E-08	0.4290	0.0061	5.18E-08
68		*	0.02	0.000	0.002	0.1722	0.0000	0.0000	1.42E-08	0.4289	0.0061	5.17E-08
69		*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.41E-08	0.4289	0.0061	5.17E-08
70	*	*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.41E-08	0.4288	0.0061	5.17E-08
71		*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.40E-08	0.4287	0.0061	5.17E-08
72		*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.39E-08	0.4287	0.0061	5.17E-08
73		*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.39E-08	0.4286	0.0061	5.17E-08
74	*	*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.39E-08	0.4286	0.0061	5.17E-08
75	*	*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.38E-08	0.4285	0.0061	5.17E-08
76		*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.38E-08	0.4284	0.0061	5.17E-08
77	*	*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.38E-08	0.4284	0.0061	5.17E-08
78		*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.37E-08	0.4283	0.0061	5.17E-08
79		*	0.00	0.000	0.000	0.1722	0.0000	0.0000	1.37E-08	0.4283	0.0061	5.17E-08
80		*	0.07	0.000	0.002	0.1752	0.0000	0.0000	1.37E-08	0.4282	0.0061	5.17E-08
81		*	0.16	0.007	0.002	0.1817	0.0000	0.0000	1.37E-08	0.4281	0.0061	5.17E-08
82		*	0.10	0.000	0.002	0.1857	0.0000	0.0000	1.37E-08	0.4281	0.0061	5.16E-08
83		*	0.22	0.029	0.002	0.1935	0.0000	0.0000	1.37E-08	0.4280	0.0061	5.16E-08
84	*	*	0.00	0.000	0.000	0.1935	0.0000	0.0000	1.37E-08	0.4280	0.0061	5.16E-08
85		*	0.00	0.000	0.000	0.1935	0.0000	0.0000	1.36E-08	0.4279	0.0061	5.16E-08
86		*	0.05	0.000	0.002	0.1953	0.0000	0.0000	1.36E-08	0.4278	0.0061	5.16E-08
87		*	0.00	0.000	0.000	0.1953	0.0000	0.0000	1.36E-08	0.4278	0.0061	5.16E-08
88			0.00	0.000	0.064	0.1890	1.5872	0.0865	5.13E-05	0.4278	0.0061	5.16E-08
89			0.03	0.000	0.071	0.1788	3.7558	0.2047	1.21E-04	0.4279	0.0061	5.16E-08
90			0.07	0.000	0.107	0.1694	3.4608	0.1887	1.11E-04	0.4281	0.0061	5.17E-08
91			0.06	0.000	0.133	0.1591	3.0885	0.1684	9.89E-05	0.4283	0.0061	5.17E-08
92	*		0.00	0.000	0.000	0.1529	2.7188	0.1482	8.68E-05	0.4284	0.0061	5.17E-08
93	*		0.00	0.000	0.000	0.1475	2.3942	0.1305	7.62E-05	0.4284	0.0061	5.17E-08
94	*		0.00	0.000	0.099	0.1386	2.1302	0.1161	6.77E-05	0.4285	0.0061	5.17E-08
95			0.01	0.000	0.110	0.1299	1.9023	0.1037	6.03E-05	0.4284	0.0061	5.17E-08
96			0.27	0.000	0.126	0.1321	1.6934	0.0923	5.36E-05	0.4284	0.0061	5.17E-08
97			0.00	0.000	0.185	0.1209	1.5344	0.0836	4.85E-05	0.4283	0.0061	5.17E-08
98			0.00	0.000	0.249	0.1073	1.4018	0.0764	4.43E-05	0.4282	0.0061	5.17E-08
99			0.00	0.000	0.130	0.0990	1.2536	0.0683	3.95E-05	0.4281	0.0061	5.17E-08
100			0.00	0.000	0.054	0.0943	1.1014	0.0600	3.47E-05	0.4280	0.0061	5.16E-08
101			0.00	0.000	0.041	0.0904	0.9688	0.0528	3.05E-05	0.4279	0.0061	5.16E-08
102			0.00	0.000	0.035	0.0870	0.8602	0.0469	2.70E-05	0.4278	0.0061	5.16E-08
103			0.00	0.000	0.031	0.0839	0.7705	0.0420	2.42E-05	0.4276	0.0061	5.16E-08

104		0.00	0.000	0.028	0.0812	0.6840	0.0373	2.14E-05	0.4275	0.0061	5.16E-08
105		0.34	0.000	0.027	0.0927	0.6147	0.0335	1.93E-05	0.4273	0.0061	5.16E-08
106		0.00	0.000	0.024	0.0905	0.5574	0.0304	1.75E-05	0.4272	0.0061	5.15E-08
107		0.04	0.000	0.024	0.0899	0.5102	0.0278	1.60E-05	0.4270	0.0060	5.15E-08
108		0.00	0.000	0.021	0.0880	0.4629	0.0252	1.45E-05	0.4269	0.0060	5.15E-08
109		0.00	0.000	0.022	0.0863	0.4247	0.0232	1.33E-05	0.4267	0.0060	5.15E-08
110		0.30	0.000	0.021	0.0971	0.3871	0.0211	1.21E-05	0.4266	0.0060	5.15E-08
111		0.14	0.000	0.101	0.0979	0.3468	0.0189	1.08E-05	0.4264	0.0060	5.14E-08
112	*	0.18	0.000	0.050	0.0980	0.3138	0.0171	9.80E-06	0.4263	0.0060	5.14E-08
113		0.00	0.000	0.116	0.0970	0.2910	0.0159	9.08E-06	0.4261	0.0060	5.14E-08
114		0.00	0.000	0.156	0.0899	0.2620	0.0143	8.18E-06	0.4260	0.0060	5.14E-08
115		0.00	0.000	0.130	0.0840	0.2312	0.0126	7.21E-06	0.4258	0.0060	5.14E-08
116		0.00	0.000	0.054	0.0812	0.2137	0.0116	6.67E-06	0.4257	0.0060	5.14E-08
117	*	0.09	0.000	0.062	0.0816	0.2056	0.0112	6.41E-06	0.4256	0.0060	5.13E-08
118	*	0.24	0.000	0.013	0.0820	0.1989	0.0108	6.20E-06	0.4254	0.0060	5.13E-08
119	*	0.00	0.000	0.037	0.0823	0.1896	0.0103	5.91E-06	0.4253	0.0060	5.13E-08
120	*	0.02	0.000	0.048	0.0828	0.1790	0.0098	5.58E-06	0.4252	0.0060	5.13E-08
121	*	0.09	0.000	0.018	0.0832	0.1680	0.0092	5.24E-06	0.4251	0.0060	5.13E-08
122	*	0.58	0.000	0.007	0.0837	0.1569	0.0086	4.89E-06	0.4250	0.0060	5.13E-08
123	*	0.00	0.000	0.009	0.0842	0.1461	0.0080	4.55E-06	0.4248	0.0060	5.13E-08
124	*	0.00	0.000	0.000	0.0847	0.1358	0.0074	4.23E-06	0.4247	0.0060	5.12E-08
125	*	0.00	0.000	0.033	0.0852	0.1261	0.0069	3.93E-06	0.4246	0.0060	5.12E-08
126		0.33	0.000	0.099	0.1208	0.1170	0.0064	3.64E-06	0.4245	0.0060	5.12E-08
127		0.00	0.000	0.342	0.1063	0.1056	0.0058	3.29E-06	0.4244	0.0060	5.12E-08
128		0.00	0.000	0.269	0.0949	0.0917	0.0050	2.86E-06	0.4243	0.0060	5.12E-08
129		0.00	0.000	0.130	0.0892	0.0952	0.0052	2.97E-06	0.4242	0.0060	5.12E-08
130		0.00	0.000	0.054	0.0868	0.0982	0.0054	3.06E-06	0.4241	0.0060	5.12E-08
131		0.00	0.000	0.041	0.0848	0.0966	0.0053	3.01E-06	0.4240	0.0060	5.12E-08
132	*	0.00	0.000	0.035	0.0832	0.0929	0.0051	2.89E-06	0.4240	0.0060	5.11E-08
133	*	0.00	0.000	0.031	0.0817	0.0887	0.0048	2.76E-06	0.4239	0.0060	5.11E-08
134	*	0.00	0.000	0.000	0.0815	0.0843	0.0046	2.63E-06	0.4238	0.0060	5.11E-08
135	*	0.48	0.000	0.046	0.0821	0.0791	0.0043	2.46E-06	0.4237	0.0060	5.11E-08
136		0.00	0.000	0.162	0.0923	0.0742	0.0040	2.31E-06	0.4236	0.0060	5.11E-08
137		0.00	0.000	0.028	0.0909	0.0702	0.0038	2.18E-06	0.4236	0.0060	5.11E-08
138		0.00	0.000	0.026	0.0897	0.0670	0.0037	2.09E-06	0.4235	0.0060	5.11E-08
139		0.00	0.000	0.024	0.0886	0.0637	0.0035	1.98E-06	0.4234	0.0060	5.11E-08
140		0.57	0.000	0.024	0.1112	0.0605	0.0033	1.88E-06	0.4233	0.0060	5.11E-08

141	*	0.06	0.000	0.121	0.1086	0.0581	0.0032	1.81E-06	0.4233	0.0060	5.11E-08
142	*	0.00	0.000	0.000	0.1084	0.0554	0.0030	1.72E-06	0.4232	0.0060	5.11E-08
143		0.00	0.000	0.128	0.1030	0.0515	0.0028	1.60E-06	0.4231	0.0060	5.10E-08
144		0.03	0.000	0.157	0.0974	0.0455	0.0025	1.42E-06	0.4231	0.0060	5.10E-08
145	*	0.00	0.000	0.116	0.0925	0.0392	0.0021	1.22E-06	0.4230	0.0060	5.10E-08
146		0.04	0.000	0.132	0.0884	0.0337	0.0018	1.05E-06	0.4229	0.0060	5.10E-08
147		0.17	0.000	0.056	0.0932	0.0304	0.0017	9.49E-07	0.4229	0.0060	5.10E-08
148		0.37	0.000	0.044	0.1070	0.0323	0.0018	1.01E-06	0.4228	0.0060	5.10E-08
149		0.04	0.000	0.228	0.0989	0.0387	0.0021	1.21E-06	0.4227	0.0060	5.10E-08
150		0.00	0.000	0.226	0.0893	0.0484	0.0026	1.51E-06	0.4227	0.0060	5.10E-08
151		0.00	0.000	0.132	0.0837	0.0468	0.0026	1.46E-06	0.4226	0.0060	5.10E-08
152		0.00	0.000	0.056	0.0813	0.0415	0.0023	1.29E-06	0.4226	0.0060	5.10E-08
153		0.00	0.000	0.044	0.0794	0.0421	0.0023	1.31E-06	0.4225	0.0060	5.10E-08
154		0.00	0.000	0.038	0.0777	0.0421	0.0023	1.31E-06	0.4225	0.0060	5.10E-08
155		0.00	0.000	0.034	0.0762	0.0415	0.0023	1.29E-06	0.4224	0.0060	5.10E-08
156		0.15	0.000	0.031	0.0811	0.0406	0.0022	1.26E-06	0.4224	0.0060	5.09E-08
157		0.01	0.000	0.030	0.0800	0.0394	0.0021	1.23E-06	0.4223	0.0060	5.09E-08
158		0.12	0.000	0.029	0.0836	0.0371	0.0020	1.15E-06	0.4223	0.0060	5.09E-08
159		0.07	0.000	0.028	0.0852	0.0359	0.0020	1.12E-06	0.4222	0.0060	5.09E-08
160		0.00	0.000	0.025	0.0840	0.0347	0.0019	1.08E-06	0.4221	0.0060	5.09E-08
161		0.00	0.000	0.028	0.0828	0.0323	0.0018	1.01E-06	0.4221	0.0060	5.09E-08
162		0.00	0.000	0.027	0.0816	0.0313	0.0017	9.78E-07	0.4220	0.0060	5.09E-08
163		0.00	0.000	0.026	0.0804	0.0296	0.0016	9.26E-07	0.4220	0.0060	5.09E-08
164		0.00	0.000	0.025	0.0793	0.0251	0.0014	7.87E-07	0.4219	0.0060	5.09E-08
165		0.24	0.000	0.027	0.0881	0.0210	0.0011	6.60E-07	0.4219	0.0060	5.09E-08
166		0.01	0.000	0.022	0.0874	0.0176	0.0010	5.55E-07	0.4218	0.0060	5.09E-08
167		0.05	0.000	0.022	0.0885	0.0148	0.0008	4.70E-07	0.4218	0.0060	5.09E-08
168		0.88	0.000	0.027	0.1240	0.0123	0.0007	3.91E-07	0.4217	0.0060	5.09E-08
169		0.00	0.000	0.385	0.1080	0.0098	0.0005	3.14E-07	0.4217	0.0060	5.09E-08
170		0.02	0.000	0.376	0.0933	0.0180	0.0010	5.67E-07	0.4216	0.0060	5.09E-08
171		0.10	0.000	0.141	0.0915	0.0267	0.0015	8.36E-07	0.4216	0.0060	5.09E-08
172		0.10	0.000	0.064	0.0929	0.0304	0.0017	9.51E-07	0.4215	0.0060	5.09E-08
173		0.67	0.000	0.047	0.1186	0.0308	0.0017	9.62E-07	0.4215	0.0060	5.08E-08
174		0.56	0.000	0.331	0.1280	0.0356	0.0019	1.11E-06	0.4215	0.0060	5.08E-08
175		0.46	0.000	0.348	0.1325	0.0364	0.0020	1.14E-06	0.4214	0.0060	5.08E-08
176		0.14	0.000	0.318	0.1248	0.0343	0.0019	1.07E-06	0.4214	0.0060	5.08E-08
177		0.90	0.000	0.176	0.1550	0.0424	0.0023	1.32E-06	0.4213	0.0060	5.08E-08

178	0.18	0.000	0.319	0.1493	0.0563	0.0031	1.75E-06	0.4213	0.0060	5.08E-08
179	0.01	0.000	0.197	0.1410	0.1974	0.0108	6.16E-06	0.4212	0.0060	5.08E-08
180	0.32	0.000	0.140	0.1475	0.5293	0.0289	1.66E-05	0.4212	0.0060	5.08E-08
181	0.30	0.000	0.309	0.1456	0.6610	0.0360	2.07E-05	0.4212	0.0060	5.08E-08
182	0.18	0.000	0.302	0.1389	0.6660	0.0363	2.09E-05	0.4212	0.0060	5.08E-08
183	0.01	0.000	0.118	0.1330	0.7063	0.0385	2.21E-05	0.4212	0.0060	5.08E-08
184	0.22	0.000	0.103	0.1360	0.7126	0.0388	2.23E-05	0.4212	0.0060	5.08E-08
185	0.30	0.000	0.109	0.1423	0.7075	0.0386	2.22E-05	0.4212	0.0060	5.08E-08
186	0.00	0.000	0.113	0.1360	0.6825	0.0372	2.14E-05	0.4211	0.0060	5.08E-08
187	0.00	0.000	0.246	0.1244	0.6159	0.0336	1.93E-05	0.4211	0.0060	5.08E-08
188	0.00	0.000	0.200	0.1148	0.5738	0.0313	1.80E-05	0.4211	0.0060	5.08E-08
189	0.00	0.000	0.154	0.1071	0.5518	0.0301	1.73E-05	0.4210	0.0060	5.08E-08
190	0.00	0.000	0.067	0.1031	0.5169	0.0282	1.62E-05	0.4210	0.0060	5.08E-08
191	0.00	0.000	0.056	0.0997	0.4706	0.0257	1.47E-05	0.4209	0.0060	5.08E-08
192	0.00	0.000	0.062	0.0961	0.4270	0.0233	1.34E-05	0.4209	0.0060	5.08E-08
193	0.00	0.000	0.059	0.0928	0.3767	0.0205	1.18E-05	0.4208	0.0060	5.08E-08
194	0.01	0.000	0.067	0.0899	0.3218	0.0175	1.01E-05	0.4208	0.0060	5.08E-08
195	0.00	0.000	0.063	0.0866	0.2756	0.0150	8.60E-06	0.4207	0.0060	5.07E-08
196	0.13	0.000	0.053	0.0891	0.2497	0.0136	7.79E-06	0.4206	0.0060	5.07E-08
197	0.10	0.000	0.072	0.0899	0.2328	0.0127	7.26E-06	0.4206	0.0060	5.07E-08
198	0.00	0.000	0.076	0.0862	0.2175	0.0119	6.79E-06	0.4205	0.0060	5.07E-08
199	0.00	0.000	0.066	0.0830	0.2032	0.0111	6.34E-06	0.4204	0.0060	5.07E-08
200	0.00	0.000	0.043	0.0807	0.1817	0.0099	5.67E-06	0.4203	0.0060	5.07E-08
201	0.01	0.000	0.044	0.0791	0.1658	0.0090	5.17E-06	0.4203	0.0060	5.07E-08
202	0.16	0.000	0.074	0.0824	0.1598	0.0087	4.98E-06	0.4202	0.0060	5.07E-08
203	0.01	0.000	0.046	0.0803	0.1653	0.0090	5.15E-06	0.4201	0.0060	5.07E-08
204	0.14	0.000	0.046	0.0839	0.1725	0.0094	5.38E-06	0.4200	0.0060	5.07E-08
205	1.20	0.000	0.085	0.1301	0.1700	0.0093	5.30E-06	0.4200	0.0059	5.07E-08
206	0.00	0.000	0.370	0.1143	0.1584	0.0086	4.94E-06	0.4199	0.0059	5.06E-08
207	0.00	0.000	0.263	0.1032	0.1502	0.0082	4.68E-06	0.4198	0.0059	5.06E-08
208	0.09	0.000	0.202	0.0981	0.1616	0.0088	5.04E-06	0.4197	0.0059	5.06E-08
209	0.22	0.000	0.129	0.1013	0.1801	0.0098	5.62E-06	0.4197	0.0059	5.06E-08
210	0.26	0.000	0.388	0.0953	0.1995	0.0109	6.22E-06	0.4196	0.0059	5.06E-08
211	0.22	0.000	0.105	0.0996	0.2075	0.0113	6.47E-06	0.4195	0.0059	5.06E-08
212	0.01	0.000	0.313	0.0864	0.2026	0.0110	6.32E-06	0.4195	0.0059	5.06E-08
213	0.00	0.000	0.074	0.0828	0.1954	0.0106	6.09E-06	0.4194	0.0059	5.06E-08
214	0.00	0.000	0.098	0.0783	0.1795	0.0098	5.60E-06	0.4194	0.0059	5.06E-08

215	0.18	0.000	0.087	0.0819	0.1535	0.0084	4.78E-06	0.4193	0.0059	5.06E-08
216	0.07	0.000	0.106	0.0800	0.1270	0.0069	3.96E-06	0.4192	0.0059	5.06E-08
217	0.00	0.000	0.101	0.0756	0.1051	0.0057	3.27E-06	0.4192	0.0059	5.06E-08
218	0.00	0.000	0.108	0.0709	0.0995	0.0054	3.10E-06	0.4191	0.0059	5.06E-08
219	0.00	0.000	0.115	0.0659	0.0818	0.0045	2.55E-06	0.4190	0.0059	5.05E-08
220	0.02	0.000	0.128	0.0613	0.0623	0.0034	1.94E-06	0.4189	0.0059	5.05E-08
221	0.00	0.000	0.085	0.0577	0.0500	0.0027	1.56E-06	0.4189	0.0059	5.05E-08
222	0.00	0.000	0.112	0.0529	0.0463	0.0025	1.44E-06	0.4188	0.0059	5.05E-08
223	0.28	0.000	0.137	0.0585	0.1097	0.0060	3.42E-06	0.4187	0.0059	5.05E-08
224	0.09	0.000	0.114	0.0573	0.2020	0.0110	6.30E-06	0.4187	0.0059	5.05E-08
225	0.00	0.000	0.226	0.0475	0.1856	0.0101	5.79E-06	0.4186	0.0059	5.05E-08
226	0.53	0.000	0.101	0.0650	0.1614	0.0088	5.03E-06	0.4186	0.0059	5.05E-08
227	0.00	0.000	0.180	0.0572	0.1341	0.0073	4.18E-06	0.4185	0.0059	5.05E-08
228	0.05	0.000	0.093	0.0551	0.1073	0.0058	3.34E-06	0.4185	0.0059	5.05E-08
229	0.14	0.000	0.178	0.0532	0.0875	0.0048	2.73E-06	0.4184	0.0059	5.05E-08
230	0.00	0.000	0.179	0.0458	0.0764	0.0042	2.38E-06	0.4183	0.0059	5.05E-08
231	0.04	0.000	0.160	0.0405	0.0570	0.0031	1.77E-06	0.4183	0.0059	5.05E-08
232	0.07	0.000	0.073	0.0403	0.0015	0.0000	0.00E+00	0.4182	0.0059	5.04E-08
233	0.27	0.000	0.066	0.0488	0.0000	0.0000	0.00E+00	0.4181	0.0059	5.04E-08
234	0.02	0.000	0.161	0.0430	0.0000	0.0000	0.00E+00	0.4181	0.0059	5.04E-08
235	0.91	0.000	0.188	0.0732	0.0000	0.0000	0.00E+00	0.4180	0.0059	5.04E-08
236	0.00	0.000	0.213	0.0643	0.0000	0.0000	0.00E+00	0.4179	0.0059	5.04E-08
237	0.00	0.000	0.202	0.0558	0.0000	0.0000	0.00E+00	0.4179	0.0059	5.04E-08
238	0.00	0.000	0.254	0.0452	0.0000	0.0000	0.00E+00	0.4178	0.0059	5.04E-08
239	0.00	0.000	0.094	0.0413	0.0000	0.0000	0.00E+00	0.4177	0.0059	5.04E-08
240	0.41	0.000	0.086	0.0547	0.0000	0.0000	0.00E+00	0.4177	0.0059	5.04E-08
241	0.00	0.000	0.262	0.0438	0.0000	0.0000	0.00E+00	0.4176	0.0059	5.04E-08
242	0.37	0.000	0.060	0.0566	0.0000	0.0000	0.00E+00	0.4176	0.0059	5.04E-08
243	0.05	0.000	0.199	0.0505	0.0000	0.0000	0.00E+00	0.4175	0.0059	5.04E-08
244	0.01	0.000	0.096	0.0467	0.0000	0.0000	0.00E+00	0.4174	0.0059	5.04E-08
245	0.00	0.000	0.069	0.0439	0.0000	0.0000	0.00E+00	0.4174	0.0059	5.03E-08
246	0.00	0.000	0.065	0.0412	0.0000	0.0000	0.00E+00	0.4173	0.0059	5.03E-08
247	0.00	0.000	0.043	0.0394	0.0000	0.0000	0.00E+00	0.4173	0.0059	5.03E-08
248	0.01	0.000	0.036	0.0382	0.0000	0.0000	0.00E+00	0.4172	0.0059	5.03E-08
249	0.00	0.000	0.028	0.0370	0.0000	0.0000	0.00E+00	0.4172	0.0059	5.03E-08
250	0.00	0.000	0.017	0.0363	0.0000	0.0000	0.00E+00	0.4171	0.0059	5.03E-08
251	0.00	0.000	0.000	0.0363	0.0000	0.0000	0.00E+00	0.4170	0.0059	5.03E-08

252		0.00	0.000	0.000	0.0363	0.0000	0.0000	0.00E+00	0.4170	0.0059	5.03E-08
253		0.00	0.000	0.000	0.0363	0.0000	0.0000	0.00E+00	0.4169	0.0059	5.03E-08
254		0.00	0.000	0.000	0.0363	0.0000	0.0000	0.00E+00	0.4169	0.0059	5.03E-08
255		0.00	0.000	0.000	0.0363	0.0000	0.0000	0.00E+00	0.4168	0.0059	5.03E-08
256		0.06	0.000	0.015	0.0380	0.0000	0.0000	0.00E+00	0.4168	0.0059	5.03E-08
257		0.00	0.000	0.005	0.0378	0.0000	0.0000	0.00E+00	0.4167	0.0059	5.03E-08
258		0.00	0.000	0.007	0.0376	0.0000	0.0000	0.00E+00	0.4167	0.0059	5.03E-08
259		0.00	0.000	0.007	0.0373	0.0000	0.0000	0.00E+00	0.4166	0.0059	5.03E-08
260		0.57	0.000	0.032	0.0596	0.0000	0.0000	0.00E+00	0.4166	0.0059	5.02E-08
261		0.00	0.000	0.139	0.0539	0.0000	0.0000	0.00E+00	0.4165	0.0059	5.02E-08
262		0.00	0.000	0.153	0.0475	0.0000	0.0000	0.00E+00	0.4165	0.0059	5.02E-08
263		0.00	0.000	0.062	0.0449	0.0000	0.0000	0.00E+00	0.4164	0.0059	5.02E-08
264		0.00	0.000	0.075	0.0418	0.0000	0.0000	0.00E+00	0.4164	0.0059	5.02E-08
265	*	0.00	0.000	0.000	0.0418	0.0000	0.0000	0.00E+00	0.4163	0.0059	5.02E-08
266	*	0.00	0.000	0.059	0.0393	0.0000	0.0000	0.00E+00	0.4162	0.0059	5.02E-08
267	*	0.00	0.000	0.050	0.0372	0.0000	0.0000	0.00E+00	0.4162	0.0059	5.02E-08
268	*	0.00	0.000	0.030	0.0360	0.0000	0.0000	0.00E+00	0.4161	0.0059	5.02E-08
269	*	0.00	0.000	0.000	0.0360	0.0000	0.0000	0.00E+00	0.4161	0.0059	5.02E-08
270	*	0.00	0.000	0.000	0.0360	0.0000	0.0000	0.00E+00	0.4160	0.0059	5.02E-08
271	*	0.04	0.000	0.011	0.0368	0.0000	0.0000	0.00E+00	0.4160	0.0059	5.02E-08
272	*	0.22	0.000	0.006	0.0376	0.0000	0.0000	0.00E+00	0.4159	0.0059	5.02E-08
273	*	0.00	0.000	0.005	0.0385	0.0000	0.0000	0.00E+00	0.4159	0.0059	5.02E-08
274	*	0.07	0.000	0.008	0.0393	0.0000	0.0000	0.00E+00	0.4158	0.0059	5.02E-08
275	*	0.09	0.000	0.005	0.0401	0.0000	0.0000	0.00E+00	0.4158	0.0059	5.01E-08
276	*	0.01	0.000	0.003	0.0409	0.0000	0.0000	0.00E+00	0.4157	0.0059	5.01E-08
277	*	0.10	0.000	0.004	0.0417	0.0000	0.0000	0.00E+00	0.4157	0.0059	5.01E-08
278	*	0.11	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.4156	0.0059	5.01E-08
279	*	0.00	0.000	0.010	0.0434	0.0000	0.0000	0.00E+00	0.4156	0.0059	5.01E-08
280	*	0.00	0.000	0.014	0.0442	0.0000	0.0000	0.00E+00	0.4155	0.0059	5.01E-08
281	*	0.00	0.000	0.017	0.0450	0.0000	0.0000	0.00E+00	0.4155	0.0059	5.01E-08
282		0.23	0.000	0.028	0.0676	0.0000	0.0000	0.00E+00	0.4154	0.0059	5.01E-08
283		0.07	0.000	0.047	0.0687	0.0000	0.0000	0.00E+00	0.4154	0.0059	5.01E-08
284		0.00	0.000	0.049	0.0666	0.0000	0.0000	0.00E+00	0.4153	0.0059	5.01E-08
285		0.00	0.000	0.053	0.0644	0.0000	0.0000	0.00E+00	0.4152	0.0059	5.01E-08
286	*	0.00	0.000	0.000	0.0644	0.0000	0.0000	0.00E+00	0.4152	0.0059	5.01E-08
287	*	0.00	0.000	0.039	0.0629	0.0000	0.0000	0.00E+00	0.4151	0.0059	5.01E-08
288		0.27	0.000	0.045	0.0722	0.0000	0.0000	0.00E+00	0.4151	0.0059	5.01E-08

289	*			0.00	0.000	0.027	0.0711	0.0000	0.0000	0.00E+00	0.4150	0.0059	5.01E-08
290				0.00	0.000	0.034	0.0696	0.0000	0.0000	0.00E+00	0.4150	0.0059	5.01E-08
291	*			0.00	0.000	0.000	0.0696	0.0000	0.0000	0.00E+00	0.4149	0.0059	5.00E-08
292	*			0.00	0.000	0.029	0.0684	0.0000	0.0000	0.00E+00	0.4149	0.0059	5.00E-08
293				0.00	0.000	0.049	0.0664	0.0000	0.0000	0.00E+00	0.4148	0.0059	5.00E-08
294	*			0.00	0.000	0.000	0.0664	0.0000	0.0000	0.00E+00	0.4148	0.0059	5.00E-08
295				0.44	0.000	0.040	0.0831	0.0000	0.0000	0.00E+00	0.4147	0.0059	5.00E-08
296	*			0.05	0.000	0.022	0.0839	0.0000	0.0000	0.00E+00	0.4147	0.0059	5.00E-08
297	*	*		0.10	0.000	0.024	0.0839	0.0000	0.0000	0.00E+00	0.4146	0.0059	5.00E-08
298	*	*		0.01	0.000	0.000	0.0839	0.0000	0.0000	0.00E+00	0.4145	0.0059	5.00E-08
299	*	*		0.22	0.000	0.000	0.0839	0.0000	0.0000	0.00E+00	0.4145	0.0059	5.00E-08
300		*		0.00	0.009	0.041	0.0949	0.0000	0.0000	0.00E+00	0.4144	0.0059	5.00E-08
301		*		0.00	0.000	0.000	0.0949	0.0000	0.0000	0.00E+00	0.4144	0.0059	5.00E-08
302		*		0.00	0.000	0.000	0.0949	0.0000	0.0000	0.00E+00	0.4143	0.0059	5.00E-08
303		*		0.00	0.000	0.000	0.0949	0.0000	0.0000	0.00E+00	0.4143	0.0059	5.00E-08
304		*		0.00	0.000	0.000	0.0949	0.0000	0.0000	0.00E+00	0.4142	0.0059	5.00E-08
305		*		0.06	0.000	0.006	0.0970	0.0000	0.0000	0.00E+00	0.4142	0.0059	5.00E-08
306	*	*		0.01	0.000	0.014	0.0970	0.0000	0.0000	0.00E+00	0.4141	0.0059	4.99E-08
307		*		0.00	0.000	0.000	0.0970	0.0000	0.0000	0.00E+00	0.4141	0.0059	4.99E-08
308		*		0.00	0.000	0.000	0.0970	0.0000	0.0000	0.00E+00	0.4140	0.0059	4.99E-08
309		*		0.00	0.000	0.000	0.0970	0.0000	0.0000	0.00E+00	0.4139	0.0059	4.99E-08
310		*		0.00	0.000	0.000	0.0970	0.0000	0.0000	0.00E+00	0.4139	0.0059	4.99E-08
311		*		0.00	0.000	0.000	0.0970	0.0000	0.0000	0.00E+00	0.4138	0.0059	4.99E-08
312		*		0.00	0.000	0.000	0.0970	0.0000	0.0000	0.00E+00	0.4138	0.0059	4.99E-08
313		*		0.14	0.000	0.005	0.1026	0.0000	0.0000	0.00E+00	0.4137	0.0059	4.99E-08
314	*	*		0.74	0.000	0.011	0.1026	0.0000	0.0000	0.00E+00	0.4137	0.0059	4.99E-08
315		*		0.00	0.216	0.000	0.1241	0.0000	0.0000	0.00E+00	0.4136	0.0059	4.99E-08
316		*		0.00	0.000	0.000	0.1241	0.0000	0.0000	0.00E+00	0.4136	0.0059	4.99E-08
317		*		0.00	0.000	0.000	0.1241	0.0000	0.0000	0.00E+00	0.4135	0.0059	4.99E-08
318				0.00	0.000	0.061	0.1215	0.0000	0.0000	0.00E+00	0.4134	0.0059	4.99E-08
319	*			0.00	0.000	0.022	0.1206	0.0000	0.0000	0.00E+00	0.4134	0.0059	4.99E-08
320				0.00	0.000	0.056	0.1183	0.0000	0.0000	0.00E+00	0.4133	0.0059	4.99E-08
321				0.00	0.000	0.057	0.1159	0.0000	0.0000	0.00E+00	0.4133	0.0059	4.98E-08
322				0.00	0.000	0.130	0.1105	0.0000	0.0000	0.00E+00	0.4132	0.0059	4.98E-08
323				0.11	0.000	0.091	0.1114	0.0062	0.0003	2.02E-07	0.4132	0.0059	4.98E-08
324				0.00	0.000	0.045	0.1094	0.0426	0.0023	1.33E-06	0.4131	0.0059	4.98E-08
325				0.00	0.000	0.040	0.1075	0.0937	0.0051	2.92E-06	0.4131	0.0059	4.98E-08

326				0.00	0.000	0.079	0.1039	0.1499	0.0082	4.67E-06	0.4130	0.0059	4.98E-08
327				0.00	0.000	0.049	0.1014	0.1971	0.0107	6.15E-06	0.4130	0.0059	4.98E-08
328				0.06	0.000	0.031	0.1021	0.2325	0.0127	7.26E-06	0.4129	0.0058	4.98E-08
329	*			0.06	0.000	0.008	0.1023	0.2713	0.0148	8.47E-06	0.4129	0.0058	4.98E-08
330	*			0.38	0.000	0.013	0.1024	0.2972	0.0162	9.28E-06	0.4128	0.0058	4.98E-08
331	*			0.00	0.000	0.014	0.1026	0.3038	0.0166	9.49E-06	0.4128	0.0058	4.98E-08
332	*			0.00	0.000	0.019	0.1027	0.3013	0.0164	9.41E-06	0.4128	0.0058	4.98E-08
333	*			0.00	0.000	0.006	0.1029	0.2940	0.0160	9.18E-06	0.4127	0.0058	4.98E-08
334	*			0.00	0.000	0.002	0.1030	0.2843	0.0155	8.87E-06	0.4127	0.0058	4.98E-08
335	*			0.00	0.000	0.001	0.1032	0.2732	0.0149	8.53E-06	0.4126	0.0058	4.98E-08
336	*			0.00	0.000	0.002	0.1035	0.2614	0.0143	8.16E-06	0.4126	0.0058	4.98E-08
337	*			0.00	0.000	0.000	0.1037	0.2495	0.0136	7.79E-06	0.4125	0.0058	4.98E-08
338	*			0.00	0.000	0.003	0.1040	0.2377	0.0130	7.42E-06	0.4125	0.0058	4.97E-08
339	*			0.00	0.000	0.021	0.1043	0.2262	0.0123	7.06E-06	0.4124	0.0058	4.97E-08
340				0.00	0.000	0.033	0.1084	0.2152	0.0117	6.71E-06	0.4123	0.0058	4.97E-08
341				0.00	0.000	0.043	0.1061	0.2036	0.0111	6.35E-06	0.4123	0.0058	4.97E-08
342	*			0.27	0.000	0.014	0.1065	0.1971	0.0107	6.15E-06	0.4122	0.0058	4.97E-08
343	*		*	0.02	0.000	0.014	0.1061	0.1799	0.0098	5.61E-06	0.4122	0.0058	4.97E-08
344			*	0.00	0.000	0.002	0.1155	0.1549	0.0084	4.83E-06	0.4121	0.0058	4.97E-08
345			*	0.00	0.000	0.000	0.1152	0.1334	0.0073	4.16E-06	0.4120	0.0058	4.97E-08
346	*		*	0.00	0.000	0.000	0.1149	0.1149	0.0063	3.58E-06	0.4120	0.0058	4.97E-08
347	*		*	0.00	0.000	0.000	0.1147	0.0990	0.0054	3.08E-06	0.4119	0.0058	4.97E-08
348	*		*	0.00	0.000	0.000	0.1145	0.0852	0.0046	2.65E-06	0.4118	0.0058	4.97E-08
349			*	0.00	0.000	0.000	0.1144	0.0734	0.0040	2.29E-06	0.4117	0.0058	4.97E-08
350	*		*	0.00	0.000	0.000	0.1142	0.0632	0.0034	1.97E-06	0.4117	0.0058	4.96E-08
351	*		*	0.03	0.000	0.019	0.1141	0.0545	0.0030	1.70E-06	0.4116	0.0058	4.96E-08
352	*		*	0.00	0.000	0.005	0.1140	0.0469	0.0026	1.46E-06	0.4115	0.0058	4.96E-08
353	*		*	0.10	0.000	0.007	0.1139	0.0404	0.0022	1.26E-06	0.4115	0.0058	4.96E-08
354	*		*	0.00	0.000	0.025	0.1138	0.0348	0.0019	1.08E-06	0.4114	0.0058	4.96E-08
355	*		*	0.00	0.000	0.010	0.1137	0.0300	0.0016	9.36E-07	0.4113	0.0058	4.96E-08
356	*		*	0.00	0.000	0.003	0.1137	0.0258	0.0014	8.08E-07	0.4112	0.0058	4.96E-08
357	*		*	0.00	0.000	0.001	0.1136	0.0222	0.0012	6.98E-07	0.4112	0.0058	4.96E-08
358	*		*	0.00	0.000	0.011	0.1136	0.0191	0.0010	6.03E-07	0.4111	0.0058	4.96E-08
359	*		*	0.04	0.000	0.005	0.1136	0.0165	0.0009	5.21E-07	0.4110	0.0058	4.96E-08
360	*		*	0.58	0.000	0.000	0.1135	0.0142	0.0008	4.50E-07	0.4110	0.0058	4.96E-08
361	*		*	0.00	0.000	0.016	0.1135	0.0122	0.0007	3.90E-07	0.4109	0.0058	4.96E-08
362	*		*	0.05	0.000	0.005	0.1135	0.0105	0.0006	3.38E-07	0.4108	0.0058	4.95E-08

363	*	*	0.00	0.000	0.002	0.1135	0.0091	0.0005	2.93E-07	0.4108	0.0058	4.95E-08
364	*	*	0.00	0.000	0.003	0.1134	0.0078	0.0004	2.54E-07	0.4107	0.0058	4.95E-08
365	*	*	0.00	0.000	0.001	0.1134	0.0067	0.0004	2.21E-07	0.4106	0.0058	4.95E-08

* = Frozen (air or soil)

Annual Totals for Year 7			
	inches	cubic feet	percent
Precipitation	25.48	777,986.2	100.00
Runoff	0.562	17,166.0	2.21
Evapotranspiration	20.388	622,418.1	80.00
Drainage Collected from Layer 2	3.3342	101,788.6	13.08
Percolation/Leakage through Layer 3	0.001931	58.9	0.01
Average Head on Top of Layer 3	0.1676	---	---
Drainage Collected from Layer 5	2.1799	66,548.2	8.55
Percolation/Leakage through Layer 7	0.000019	0.5666	0.00
Average Head on Top of Layer 6	0.4216	---	---
Change in Water Storage	-0.9806	-29,935.2	-3.85
Soil Water at Start of Year	316.8567	9,673,097.7	1243.35
Soil Water at End of Year	315.1862	9,622,099.5	1236.80
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.6899	21,063.0	2.71
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 8

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.02	0.000	0.001	0.1134	0.0058	0.0003	1.92E-07	0.4106	0.0058	4.95E-08
2	*	*	0.00	0.000	0.001	0.1134	0.0050	0.0003	1.67E-07	0.4105	0.0058	4.95E-08
3	*	*	0.00	0.000	0.001	0.1134	0.0043	0.0002	1.46E-07	0.4104	0.0058	4.95E-08
4	*	*	0.00	0.000	0.000	0.1134	0.0037	0.0002	1.27E-07	0.4104	0.0058	4.95E-08
5	*	*	0.00	0.000	0.008	0.1134	0.0032	0.0002	1.12E-07	0.4103	0.0058	4.95E-08
6	*	*	0.11	0.000	0.011	0.1134	0.0027	0.0001	9.81E-08	0.4103	0.0058	4.95E-08
7	*	*	0.02	0.000	0.015	0.1134	0.0024	0.0001	8.66E-08	0.4102	0.0058	4.95E-08
8	*	*	0.03	0.000	0.013	0.1134	0.0020	0.0001	7.61E-08	0.4101	0.0058	4.95E-08
9	*	*	0.02	0.000	0.011	0.1134	0.0018	0.0001	6.75E-08	0.4101	0.0058	4.95E-08
10	*	*	0.00	0.000	0.017	0.1133	0.0015	0.0001	6.00E-08	0.4100	0.0058	4.94E-08
11	*	*	0.00	0.000	0.015	0.1133	0.0013	0.0001	5.36E-08	0.4099	0.0058	4.94E-08
12	*	*	0.00	0.000	0.012	0.1133	0.0011	0.0001	4.81E-08	0.4099	0.0058	4.94E-08
13	*	*	0.00	0.000	0.010	0.1133	0.0010	0.0001	4.33E-08	0.4098	0.0058	4.94E-08
14	*	*	0.00	0.000	0.003	0.1133	0.0008	0.0000	3.92E-08	0.4098	0.0058	4.94E-08
15	*	*	0.00	0.000	0.005	0.1133	0.0007	0.0000	3.56E-08	0.4097	0.0058	4.94E-08
16	*	*	0.00	0.000	0.000	0.1133	0.0006	0.0000	3.26E-08	0.4096	0.0058	4.94E-08
17	*	*	0.00	0.000	0.000	0.1133	0.0005	0.0000	2.99E-08	0.4096	0.0058	4.94E-08
18		*	0.00	0.199	0.000	0.1368	0.0005	0.0000	2.77E-08	0.4095	0.0058	4.94E-08
19		*	0.00	0.000	0.000	0.1368	0.0004	0.0000	2.57E-08	0.4095	0.0058	4.94E-08
20	*	*	0.00	0.000	0.000	0.1368	0.0003	0.0000	2.40E-08	0.4094	0.0058	4.94E-08
21	*	*	0.00	0.000	0.000	0.1368	0.0003	0.0000	2.26E-08	0.4094	0.0058	4.94E-08
22	*	*	0.21	0.000	0.013	0.1368	0.0003	0.0000	2.13E-08	0.4093	0.0058	4.94E-08
23	*	*	0.12	0.000	0.011	0.1368	0.0002	0.0000	2.03E-08	0.4092	0.0058	4.94E-08
24		*	0.00	0.000	0.021	0.1390	0.0002	0.0000	1.93E-08	0.4092	0.0058	4.93E-08
25	*	*	0.00	0.000	0.011	0.1390	0.0002	0.0000	1.85E-08	0.4091	0.0058	4.93E-08
26	*	*	0.00	0.000	0.010	0.1390	0.0001	0.0000	1.79E-08	0.4091	0.0058	4.93E-08
27	*	*	0.00	0.000	0.003	0.1390	0.0001	0.0000	1.73E-08	0.4090	0.0058	4.93E-08
28	*	*	0.00	0.000	0.007	0.1390	0.0001	0.0000	1.68E-08	0.4089	0.0058	4.93E-08
29	*	*	0.00	0.000	0.024	0.1390	0.0001	0.0000	1.63E-08	0.4089	0.0058	4.93E-08

30	*	*	0.04	0.000	0.010	0.1390	0.0001	0.0000	1.59E-08	0.4088	0.0058	4.93E-08
31	*	*	0.06	0.000	0.009	0.1390	0.0001	0.0000	1.56E-08	0.4088	0.0058	4.93E-08
32	*	*	0.00	0.000	0.004	0.1390	0.0001	0.0000	1.53E-08	0.4087	0.0058	4.93E-08
33	*	*	0.00	0.000	0.018	0.1390	0.0000	0.0000	1.51E-08	0.4087	0.0058	4.93E-08
34	*	*	0.00	0.000	0.006	0.1390	0.0000	0.0000	1.49E-08	0.4086	0.0058	4.93E-08
35	*	*	0.00	0.000	0.002	0.1390	0.0000	0.0000	1.47E-08	0.4086	0.0058	4.93E-08
36	*	*	0.00	0.000	0.004	0.1390	0.0000	0.0000	1.46E-08	0.4085	0.0058	4.93E-08
37	*	*	0.00	0.000	0.006	0.1390	0.0000	0.0000	1.44E-08	0.4084	0.0058	4.93E-08
38	*	*	0.00	0.000	0.002	0.1390	0.0000	0.0000	1.43E-08	0.4084	0.0058	4.92E-08
39	*	*	0.00	0.000	0.001	0.1390	0.0000	0.0000	1.42E-08	0.4083	0.0058	4.92E-08
40	*	*	0.01	0.000	0.000	0.1390	0.0000	0.0000	1.41E-08	0.4083	0.0058	4.92E-08
41	*	*	0.00	0.000	0.006	0.1390	0.0000	0.0000	1.41E-08	0.4082	0.0058	4.92E-08
42	*	*	0.00	0.000	0.011	0.1390	0.0000	0.0000	1.40E-08	0.4082	0.0058	4.92E-08
43	*	*	0.00	0.000	0.012	0.1390	0.0000	0.0000	1.39E-08	0.4081	0.0058	4.92E-08
44	*	*	0.02	0.000	0.005	0.1390	0.0000	0.0000	1.39E-08	0.4080	0.0058	4.92E-08
45	*	*	0.00	0.000	0.005	0.1390	0.0000	0.0000	1.38E-08	0.4080	0.0058	4.92E-08
46	*	*	0.03	0.000	0.010	0.1390	0.0000	0.0000	1.38E-08	0.4079	0.0058	4.92E-08
47	*	*	0.00	0.000	0.017	0.1390	0.0000	0.0000	1.38E-08	0.4079	0.0058	4.92E-08
48	*	*	0.00	0.000	0.008	0.1390	0.0000	0.0000	1.38E-08	0.4078	0.0058	4.92E-08
49	*	*	0.60	0.000	0.016	0.1390	0.0000	0.0000	1.37E-08	0.4078	0.0058	4.92E-08
50		*	0.00	0.273	0.000	0.1599	0.0000	0.0000	1.37E-08	0.4077	0.0058	4.92E-08
51		*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.37E-08	0.4077	0.0058	4.92E-08
52		*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.37E-08	0.4076	0.0058	4.92E-08
53		*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.37E-08	0.4075	0.0058	4.91E-08
54	*	*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.37E-08	0.4075	0.0058	4.91E-08
55	*	*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.37E-08	0.4074	0.0058	4.91E-08
56	*	*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.36E-08	0.4074	0.0058	4.91E-08
57	*	*	0.00	0.000	0.001	0.1599	0.0000	0.0000	1.36E-08	0.4073	0.0058	4.91E-08
58	*	*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.36E-08	0.4073	0.0058	4.91E-08
59	*	*	0.00	0.000	0.000	0.1599	0.0000	0.0000	1.36E-08	0.4072	0.0058	4.91E-08
60	*	*	0.08	0.000	0.005	0.1599	0.0000	0.0000	1.36E-08	0.4071	0.0058	4.91E-08
61	*	*	0.00	0.000	0.006	0.1599	0.0000	0.0000	1.36E-08	0.4071	0.0058	4.91E-08
62	*	*	0.00	0.000	0.050	0.1599	0.0000	0.0000	1.36E-08	0.4070	0.0058	4.91E-08
63	*	*	0.00	0.000	0.019	0.1599	0.0000	0.0000	1.36E-08	0.4070	0.0058	4.91E-08
64		*	0.18	0.005	0.002	0.1673	0.0000	0.0000	1.36E-08	0.4069	0.0058	4.91E-08
65		*	0.79	0.356	0.002	0.1852	0.0000	0.0000	1.36E-08	0.4069	0.0058	4.91E-08
66		*	0.00	0.000	0.000	0.1852	0.0000	0.0000	1.36E-08	0.4068	0.0058	4.91E-08

67		*	0.00	0.000	0.000	0.1852	0.0000	0.0000	1.36E-08	0.4068	0.0058	4.91E-08
68		*	0.20	0.017	0.002	0.1927	0.0000	0.0000	9.13E-09	0.4067	0.0058	4.90E-08
69	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4066	0.0058	4.90E-08
70		*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4066	0.0058	4.90E-08
71	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4065	0.0058	4.90E-08
72	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4065	0.0058	4.90E-08
73	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4064	0.0058	4.90E-08
74	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4064	0.0058	4.90E-08
75	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4063	0.0058	4.90E-08
76	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4063	0.0058	4.90E-08
77	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4062	0.0058	4.90E-08
78	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4061	0.0058	4.90E-08
79	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4061	0.0058	4.90E-08
80		*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4060	0.0058	4.90E-08
81	*	*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4060	0.0058	4.90E-08
82		*	0.00	0.000	0.000	0.1927	0.0000	0.0000	0.00E+00	0.4059	0.0058	4.89E-08
83	*	*	0.19	0.000	0.067	0.1927	0.0000	0.0000	0.00E+00	0.4059	0.0057	4.89E-08
84		*	0.01	0.004	0.064	0.1954	0.0000	0.0000	0.00E+00	0.4058	0.0057	4.89E-08
85		*	0.00	0.000	0.002	0.1955	0.0000	0.0000	0.00E+00	0.4057	0.0057	4.89E-08
86		*	0.09	0.000	0.002	0.1993	0.0000	0.0000	0.00E+00	0.4057	0.0057	4.89E-08
87		*	0.30	0.077	0.002	0.2086	0.0000	0.0000	0.00E+00	0.4056	0.0057	4.89E-08
88		*	0.06	0.000	0.002	0.2112	0.0000	0.0000	0.00E+00	0.4056	0.0057	4.89E-08
89		*	0.12	0.006	0.002	0.2158	0.0000	0.0000	0.00E+00	0.4055	0.0057	4.89E-08
90	*	*	0.39	0.000	0.032	0.2158	0.0000	0.0000	0.00E+00	0.4055	0.0057	4.89E-08
91	*	*	0.29	0.000	0.025	0.2158	0.0000	0.0000	0.00E+00	0.4054	0.0057	4.89E-08
92		*	0.00	0.000	0.040	0.2161	0.0000	0.0000	0.00E+00	0.4053	0.0057	4.89E-08
93		*	0.00	0.003	0.030	0.2189	0.0000	0.0000	0.00E+00	0.4053	0.0057	4.89E-08
94		*	0.00	0.229	0.040	0.2276	0.0000	0.0000	0.00E+00	0.4052	0.0057	4.89E-08
95		*	0.31	0.109	0.002	0.2357	0.0000	0.0000	0.00E+00	0.4052	0.0057	4.89E-08
96	*	*	0.00	0.000	0.000	0.2357	0.0000	0.0000	0.00E+00	0.4051	0.0057	4.89E-08
97	*	*	0.00	0.000	0.000	0.2357	0.0000	0.0000	0.00E+00	0.4051	0.0057	4.88E-08
98	*	*	0.00	0.000	0.000	0.2357	0.0000	0.0000	0.00E+00	0.4050	0.0057	4.88E-08
99		*	1.17	0.899	0.002	0.2471	0.0000	0.0000	0.00E+00	0.4050	0.0057	4.88E-08
100		*	0.01	0.000	0.002	0.2476	0.0000	0.0000	0.00E+00	0.4049	0.0057	4.88E-08
101		*	0.03	0.000	0.002	0.2490	0.0000	0.0000	0.00E+00	0.4048	0.0057	4.88E-08
102		*	0.00	0.000	0.000	0.2490	0.0000	0.0000	0.00E+00	0.4048	0.0057	4.88E-08
103	*	*	0.00	0.000	0.000	0.2490	0.0000	0.0000	0.00E+00	0.4047	0.0057	4.88E-08

104		*	0.00	0.000	0.000	0.2490	0.0000	0.0000	0.00E+00	0.4047	0.0057	4.88E-08
105		*	0.47	0.274	0.002	0.2570	0.0000	0.0000	0.00E+00	0.4046	0.0057	4.88E-08
106		*	0.00	0.000	0.001	0.2571	0.0000	0.0000	0.00E+00	0.4046	0.0057	4.88E-08
107		*	0.10	0.014	0.002	0.2606	0.0000	0.0000	0.00E+00	0.4045	0.0057	4.88E-08
108		*	0.24	0.099	0.002	0.2663	0.0000	0.0000	0.00E+00	0.4044	0.0057	4.88E-08
109	*	*	0.62	0.000	0.024	0.2663	0.0000	0.0000	0.00E+00	0.4044	0.0057	4.88E-08
110	*	*	0.10	0.000	0.000	0.2663	0.0000	0.0000	0.00E+00	0.4043	0.0057	4.88E-08
111	*	*	0.00	0.000	0.038	0.2663	0.0000	0.0000	0.00E+00	0.4043	0.0057	4.87E-08
112		*	0.00	0.474	0.063	0.2712	0.0000	0.0000	0.00E+00	0.4042	0.0057	4.87E-08
113		*	0.00	0.000	0.000	0.2712	0.0000	0.0000	0.00E+00	0.4042	0.0057	4.87E-08
114		*	0.00	0.000	0.000	0.2712	0.0000	0.0000	0.00E+00	0.4041	0.0057	4.87E-08
115		*	0.03	0.000	0.002	0.2722	0.0000	0.0000	0.00E+00	0.4040	0.0057	4.87E-08
116			0.00	0.000	0.332	0.2456	5.6369	0.3073	1.89E-04	0.4042	0.0057	4.87E-08
117			0.00	0.000	0.183	0.2183	8.6241	0.4701	2.88E-04	0.4047	0.0057	4.88E-08
118	*		0.04	0.000	0.043	0.2019	7.2316	0.3942	2.39E-04	0.4052	0.0057	4.89E-08
119			0.00	0.000	0.122	0.1823	6.4153	0.3497	2.11E-04	0.4056	0.0057	4.89E-08
120			0.44	0.000	0.131	0.1823	5.6212	0.3064	1.84E-04	0.4059	0.0058	4.89E-08
121			0.07	0.000	0.189	0.1670	4.4549	0.2428	1.44E-04	0.4061	0.0058	4.90E-08
122	*		1.42	0.000	0.029	0.1598	3.5631	0.1942	1.15E-04	0.4061	0.0058	4.90E-08
123	*		0.10	0.000	0.013	0.1533	3.1808	0.1734	1.02E-04	0.4061	0.0058	4.90E-08
124	*		0.06	0.000	0.013	0.1477	2.8291	0.1542	9.04E-05	0.4060	0.0058	4.90E-08
125	*		0.00	0.000	0.041	0.1429	2.5073	0.1367	7.99E-05	0.4059	0.0057	4.89E-08
126			0.00	0.000	0.000	0.1837	2.2173	0.1209	7.05E-05	0.4057	0.0057	4.89E-08
127			0.06	0.000	0.164	0.1878	1.9524	0.1064	6.19E-05	0.4055	0.0057	4.89E-08
128			0.00	0.000	0.251	0.1729	1.9822	0.1081	6.29E-05	0.4053	0.0057	4.89E-08
129			0.00	0.000	0.223	0.1589	2.0626	0.1124	6.55E-05	0.4051	0.0057	4.89E-08
130			0.00	0.000	0.253	0.1436	2.0951	0.1142	6.65E-05	0.4050	0.0057	4.88E-08
131			0.00	0.000	0.115	0.1343	1.9801	0.1079	6.28E-05	0.4048	0.0057	4.88E-08
132	*		0.65	0.000	0.043	0.1309	1.8479	0.1007	5.86E-05	0.4046	0.0057	4.88E-08
133			0.80	0.000	0.000	0.1852	1.7112	0.0933	5.42E-05	0.4044	0.0057	4.88E-08
134			0.00	0.000	0.191	0.1732	1.7814	0.0971	5.64E-05	0.4042	0.0057	4.87E-08
135			0.00	0.000	0.238	0.1585	2.0879	0.1138	6.63E-05	0.4040	0.0057	4.87E-08
136			0.00	0.000	0.161	0.1470	2.1244	0.1158	6.75E-05	0.4039	0.0057	4.87E-08
137	*		0.01	0.000	0.066	0.1400	2.0188	0.1100	6.41E-05	0.4037	0.0057	4.87E-08
138			0.17	0.000	0.056	0.1402	1.9084	0.1040	6.05E-05	0.4035	0.0057	4.87E-08
139			0.42	0.000	0.265	0.1425	1.7897	0.0976	5.67E-05	0.4033	0.0057	4.86E-08
140			0.00	0.000	0.190	0.1308	1.6708	0.0911	5.29E-05	0.4032	0.0057	4.86E-08

141		0.07	0.000	0.133	0.1246	1.5104	0.0823	4.77E-05	0.4030	0.0057	4.86E-08
142		0.21	0.000	0.057	0.1278	1.3528	0.0737	4.27E-05	0.4028	0.0057	4.86E-08
143		0.00	0.000	0.180	0.1175	1.2298	0.0670	3.88E-05	0.4026	0.0057	4.85E-08
144		0.00	0.000	0.043	0.1132	1.1142	0.0607	3.51E-05	0.4023	0.0057	4.85E-08
145	*	0.00	0.000	0.036	0.1094	1.0007	0.0546	3.15E-05	0.4021	0.0057	4.85E-08
146		0.00	0.000	0.032	0.1061	0.9051	0.0493	2.84E-05	0.4019	0.0057	4.85E-08
147		0.00	0.000	0.031	0.1029	0.8189	0.0446	2.57E-05	0.4017	0.0057	4.84E-08
148		0.05	0.000	0.031	0.1020	0.7440	0.0406	2.33E-05	0.4015	0.0057	4.84E-08
149		0.03	0.000	0.028	0.1006	0.6741	0.0367	2.11E-05	0.4013	0.0057	4.84E-08
150		0.00	0.000	0.027	0.0981	0.6099	0.0332	1.91E-05	0.4011	0.0057	4.84E-08
151		0.00	0.000	0.026	0.0958	0.5479	0.0299	1.72E-05	0.4009	0.0057	4.83E-08
152		0.46	0.000	0.027	0.1126	0.4973	0.0271	1.56E-05	0.4007	0.0057	4.83E-08
153		0.00	0.000	0.279	0.0999	0.4440	0.0242	1.39E-05	0.4005	0.0057	4.83E-08
154		0.10	0.000	0.026	0.1023	0.3966	0.0216	1.24E-05	0.4003	0.0057	4.83E-08
155		0.02	0.000	0.024	0.1012	0.3728	0.0203	1.16E-05	0.4001	0.0057	4.82E-08
156		0.36	0.000	0.023	0.1143	0.3468	0.0189	1.08E-05	0.4000	0.0057	4.82E-08
157		0.00	0.000	0.339	0.0995	0.3123	0.0170	9.75E-06	0.3998	0.0057	4.82E-08
158		0.00	0.000	0.023	0.0979	0.2814	0.0153	8.78E-06	0.3996	0.0057	4.82E-08
159		0.00	0.000	0.021	0.0964	0.2714	0.0148	8.47E-06	0.3995	0.0057	4.82E-08
160		0.00	0.000	0.024	0.0948	0.2570	0.0140	8.02E-06	0.3993	0.0057	4.81E-08
161		0.05	0.000	0.029	0.0950	0.2402	0.0131	7.50E-06	0.3992	0.0057	4.81E-08
162		0.00	0.000	0.022	0.0935	0.2230	0.0122	6.96E-06	0.3990	0.0057	4.81E-08
163		0.00	0.000	0.020	0.0922	0.2067	0.0113	6.45E-06	0.3989	0.0057	4.81E-08
164		0.00	0.000	0.022	0.0909	0.1909	0.0104	5.95E-06	0.3988	0.0056	4.81E-08
165		0.00	0.000	0.022	0.0895	0.1758	0.0096	5.48E-06	0.3987	0.0056	4.81E-08
166		0.16	0.000	0.032	0.0946	0.1612	0.0088	5.03E-06	0.3986	0.0056	4.81E-08
167		0.02	0.000	0.129	0.0897	0.1464	0.0080	4.56E-06	0.3985	0.0056	4.80E-08
168		0.00	0.000	0.032	0.0881	0.1313	0.0072	4.09E-06	0.3984	0.0056	4.80E-08
169		0.00	0.000	0.033	0.0864	0.1220	0.0067	3.80E-06	0.3983	0.0056	4.80E-08
170		0.43	0.000	0.037	0.1027	0.1143	0.0062	3.56E-06	0.3982	0.0056	4.80E-08
171		0.00	0.000	0.205	0.0939	0.1057	0.0058	3.29E-06	0.3981	0.0056	4.80E-08
172		0.00	0.000	0.289	0.0816	0.1094	0.0060	3.41E-06	0.3980	0.0056	4.80E-08
173		0.00	0.000	0.158	0.0748	0.1094	0.0060	3.41E-06	0.3979	0.0056	4.80E-08
174		0.06	0.000	0.093	0.0731	0.1062	0.0058	3.31E-06	0.3978	0.0056	4.80E-08
175		0.00	0.000	0.063	0.0703	0.0998	0.0054	3.11E-06	0.3978	0.0056	4.80E-08
176		0.00	0.000	0.062	0.0675	0.0923	0.0050	2.88E-06	0.3977	0.0056	4.79E-08
177		0.01	0.000	0.062	0.0651	0.0843	0.0046	2.62E-06	0.3976	0.0056	4.79E-08

178	0.00	0.000	0.071	0.0619	0.0786	0.0043	2.45E-06	0.3976	0.0056	4.79E-08
179	0.33	0.000	0.076	0.0725	0.0737	0.0040	2.30E-06	0.3975	0.0056	4.79E-08
180	0.11	0.000	0.072	0.0739	0.0690	0.0038	2.15E-06	0.3974	0.0056	4.79E-08
181	0.13	0.000	0.084	0.0757	0.0647	0.0035	2.02E-06	0.3974	0.0056	4.79E-08
182	0.00	0.000	0.305	0.0630	0.0651	0.0035	2.03E-06	0.3973	0.0056	4.79E-08
183	0.00	0.000	0.072	0.0598	0.0672	0.0037	2.09E-06	0.3973	0.0056	4.79E-08
184	0.00	0.000	0.060	0.0572	0.0619	0.0034	1.93E-06	0.3972	0.0056	4.79E-08
185	0.09	0.000	0.100	0.0565	0.0561	0.0031	1.75E-06	0.3972	0.0056	4.79E-08
186	0.02	0.000	0.108	0.0529	0.0500	0.0027	1.56E-06	0.3972	0.0056	4.79E-08
187	0.00	0.000	0.083	0.0493	0.0476	0.0026	1.48E-06	0.3971	0.0056	4.79E-08
188	0.22	0.000	0.082	0.0548	0.0453	0.0025	1.41E-06	0.3971	0.0056	4.79E-08
189	0.00	0.000	0.230	0.0451	0.0560	0.0031	1.74E-06	0.3970	0.0056	4.79E-08
190	0.00	0.000	0.113	0.0403	0.0563	0.0031	1.75E-06	0.3970	0.0056	4.79E-08
191	0.00	0.000	0.089	0.0366	0.0147	0.0006	3.41E-07	0.3970	0.0056	4.79E-08
192	0.00	0.000	0.031	0.0354	0.0000	0.0000	0.00E+00	0.3969	0.0056	4.79E-08
193	0.20	0.000	0.048	0.0417	0.0000	0.0000	0.00E+00	0.3969	0.0056	4.79E-08
194	0.00	0.000	0.089	0.0379	0.0000	0.0000	0.00E+00	0.3969	0.0056	4.78E-08
195	0.43	0.000	0.081	0.0525	0.0000	0.0000	0.00E+00	0.3968	0.0056	4.78E-08
196	0.24	0.000	0.148	0.0565	0.0000	0.0000	0.00E+00	0.3968	0.0056	4.78E-08
197	0.00	0.000	0.144	0.0505	0.0000	0.0000	0.00E+00	0.3968	0.0056	4.78E-08
198	0.00	0.000	0.115	0.0457	0.0000	0.0000	0.00E+00	0.3967	0.0056	4.78E-08
199	0.24	0.000	0.118	0.0508	0.0000	0.0000	0.00E+00	0.3967	0.0056	4.78E-08
200	0.60	0.000	0.253	0.0654	0.0000	0.0000	0.00E+00	0.3967	0.0056	4.78E-08
201	0.23	0.000	0.098	0.0711	0.0000	0.0000	0.00E+00	0.3967	0.0056	4.78E-08
202	0.18	0.000	0.206	0.0699	0.0000	0.0000	0.00E+00	0.3966	0.0056	4.78E-08
203	0.00	0.000	0.168	0.0629	0.0000	0.0000	0.00E+00	0.3966	0.0056	4.78E-08
204	0.00	0.000	0.145	0.0568	0.0000	0.0000	0.00E+00	0.3966	0.0056	4.78E-08
205	0.00	0.000	0.137	0.0511	0.0000	0.0000	0.00E+00	0.3966	0.0056	4.78E-08
206	0.01	0.000	0.122	0.0466	0.0000	0.0000	0.00E+00	0.3965	0.0056	4.78E-08
207	0.09	0.000	0.121	0.0453	0.0000	0.0000	0.00E+00	0.3965	0.0056	4.78E-08
208	0.30	0.000	0.131	0.0524	0.0000	0.0000	0.00E+00	0.3965	0.0056	4.78E-08
209	0.00	0.000	0.191	0.0444	0.0000	0.0000	0.00E+00	0.3965	0.0056	4.78E-08
210	0.00	0.000	0.250	0.0340	0.0000	0.0000	0.00E+00	0.3965	0.0056	4.78E-08
211	0.00	0.000	0.029	0.0328	0.0000	0.0000	0.00E+00	0.3964	0.0056	4.78E-08
212	0.00	0.000	0.006	0.0325	0.0000	0.0000	0.00E+00	0.3964	0.0056	4.78E-08
213	0.32	0.000	0.043	0.0442	0.0000	0.0000	0.00E+00	0.3964	0.0056	4.78E-08
214	0.00	0.000	0.067	0.0416	0.0000	0.0000	0.00E+00	0.3964	0.0056	4.78E-08

215	0.14	0.000	0.168	0.0406	0.0000	0.0000	0.00E+00	0.3964	0.0056	4.78E-08
216	0.09	0.000	0.105	0.0399	0.0000	0.0000	0.00E+00	0.3963	0.0056	4.78E-08
217	0.04	0.000	0.106	0.0371	0.0000	0.0000	0.00E+00	0.3963	0.0056	4.78E-08
218	0.00	0.000	0.044	0.0354	0.0000	0.0000	0.00E+00	0.3963	0.0056	4.78E-08
219	0.00	0.000	0.056	0.0330	0.0000	0.0000	0.00E+00	0.3963	0.0056	4.78E-08
220	0.00	0.000	0.009	0.0327	0.0000	0.0000	0.00E+00	0.3963	0.0056	4.78E-08
221	0.33	0.000	0.059	0.0439	0.0000	0.0000	0.00E+00	0.3962	0.0056	4.78E-08
222	0.52	0.000	0.081	0.0621	0.0000	0.0000	0.00E+00	0.3962	0.0056	4.78E-08
223	0.00	0.000	0.052	0.0599	0.0000	0.0000	0.00E+00	0.3962	0.0056	4.78E-08
224	0.70	0.000	0.199	0.0807	0.0000	0.0000	0.00E+00	0.3962	0.0056	4.78E-08
225	0.03	0.000	0.245	0.0720	0.0000	0.0000	0.00E+00	0.3961	0.0056	4.78E-08
226	0.00	0.000	0.213	0.0631	0.0000	0.0000	0.00E+00	0.3961	0.0056	4.78E-08
227	0.00	0.000	0.271	0.0518	0.0000	0.0000	0.00E+00	0.3961	0.0056	4.78E-08
228	0.36	0.000	0.178	0.0594	0.0000	0.0000	0.00E+00	0.3961	0.0056	4.78E-08
229	0.00	0.000	0.216	0.0504	0.0000	0.0000	0.00E+00	0.3960	0.0056	4.77E-08
230	0.00	0.000	0.214	0.0415	0.0000	0.0000	0.00E+00	0.3960	0.0056	4.77E-08
231	0.00	0.000	0.172	0.0343	0.0000	0.0000	0.00E+00	0.3960	0.0056	4.77E-08
232	0.00	0.000	0.029	0.0331	0.0000	0.0000	0.00E+00	0.3960	0.0056	4.77E-08
233	0.00	0.000	0.014	0.0325	0.0000	0.0000	0.00E+00	0.3960	0.0056	4.77E-08
234	0.35	0.000	0.050	0.0449	0.0000	0.0000	0.00E+00	0.3959	0.0056	4.77E-08
235	0.01	0.000	0.056	0.0431	0.0000	0.0000	0.00E+00	0.3959	0.0056	4.77E-08
236	0.00	0.000	0.083	0.0396	0.0000	0.0000	0.00E+00	0.3959	0.0056	4.77E-08
237	0.33	0.000	0.132	0.0480	0.0000	0.0000	0.00E+00	0.3958	0.0056	4.77E-08
238	0.36	0.000	0.156	0.0563	0.0000	0.0000	0.00E+00	0.3958	0.0056	4.77E-08
239	0.35	0.000	0.126	0.0657	0.0000	0.0000	0.00E+00	0.3958	0.0056	4.77E-08
240	0.21	0.000	0.137	0.0689	0.0000	0.0000	0.00E+00	0.3958	0.0056	4.77E-08
241	0.00	0.000	0.174	0.0616	0.0000	0.0000	0.00E+00	0.3957	0.0056	4.77E-08
242	0.00	0.000	0.174	0.0543	0.0000	0.0000	0.00E+00	0.3957	0.0056	4.77E-08
243	0.00	0.000	0.172	0.0472	0.0000	0.0000	0.00E+00	0.3957	0.0056	4.77E-08
244	0.00	0.000	0.187	0.0394	0.0000	0.0000	0.00E+00	0.3956	0.0056	4.77E-08
245	0.00	0.000	0.145	0.0334	0.0000	0.0000	0.00E+00	0.3956	0.0056	4.77E-08
246	0.00	0.000	0.016	0.0327	0.0000	0.0000	0.00E+00	0.3956	0.0056	4.77E-08
247	0.00	0.000	0.004	0.0325	0.0000	0.0000	0.00E+00	0.3956	0.0056	4.77E-08
248	0.01	0.000	0.014	0.0325	0.0000	0.0000	0.00E+00	0.3955	0.0056	4.77E-08
249	0.59	0.000	0.049	0.0549	0.0000	0.0000	0.00E+00	0.3955	0.0056	4.77E-08
250	0.43	0.000	0.075	0.0695	0.0000	0.0000	0.00E+00	0.3955	0.0056	4.77E-08
251	0.00	0.000	0.109	0.0649	0.0000	0.0000	0.00E+00	0.3954	0.0056	4.77E-08

252		0.15	0.000	0.096	0.0673	0.0000	0.0000	0.00E+00	0.3954	0.0056	4.77E-08
253		0.24	0.000	0.058	0.0749	0.0000	0.0000	0.00E+00	0.3954	0.0056	4.77E-08
254	*	0.32	0.000	0.031	0.0757	0.0000	0.0000	0.00E+00	0.3953	0.0056	4.77E-08
255	*	0.65	0.000	0.025	0.0765	0.0000	0.0000	0.00E+00	0.3953	0.0056	4.77E-08
256	*	0.43	0.000	0.019	0.0773	0.0000	0.0000	0.00E+00	0.3953	0.0056	4.77E-08
257		0.00	0.000	0.000	0.1303	0.0000	0.0000	0.00E+00	0.3952	0.0056	4.76E-08
258		0.00	0.000	0.109	0.1258	0.0000	0.0000	0.00E+00	0.3952	0.0056	4.76E-08
259		0.48	0.000	0.086	0.1424	0.0000	0.0000	0.00E+00	0.3952	0.0056	4.76E-08
260		0.00	0.000	0.087	0.1388	0.0000	0.0000	0.00E+00	0.3951	0.0056	4.76E-08
261		0.00	0.000	0.063	0.1362	0.0000	0.0000	0.00E+00	0.3951	0.0056	4.76E-08
262		0.00	0.000	0.105	0.1318	0.0084	0.0005	2.63E-07	0.3950	0.0056	4.76E-08
263		0.00	0.000	0.047	0.1294	0.1824	0.0099	5.69E-06	0.3950	0.0056	4.76E-08
264	*	0.00	0.000	0.064	0.1260	0.3352	0.0183	1.05E-05	0.3950	0.0056	4.76E-08
265	*	0.00	0.000	0.000	0.1250	0.4272	0.0233	1.34E-05	0.3950	0.0056	4.76E-08
266		0.04	0.000	0.076	0.1224	0.4705	0.0256	1.47E-05	0.3950	0.0056	4.76E-08
267		0.07	0.000	0.084	0.1207	0.4988	0.0272	1.56E-05	0.3950	0.0056	4.76E-08
268		0.00	0.000	0.092	0.1157	0.5139	0.0280	1.61E-05	0.3950	0.0056	4.76E-08
269		0.00	0.000	0.207	0.1059	0.5049	0.0275	1.58E-05	0.3949	0.0056	4.76E-08
270		0.00	0.000	0.161	0.0981	0.4840	0.0264	1.51E-05	0.3949	0.0056	4.76E-08
271		0.01	0.000	0.073	0.0945	0.4901	0.0267	1.53E-05	0.3949	0.0056	4.76E-08
272		0.14	0.000	0.064	0.0968	0.4680	0.0255	1.46E-05	0.3949	0.0056	4.76E-08
273		0.00	0.000	0.035	0.0943	0.4466	0.0243	1.40E-05	0.3949	0.0056	4.76E-08
274		0.07	0.000	0.045	0.0945	0.4312	0.0235	1.35E-05	0.3948	0.0056	4.76E-08
275		0.00	0.000	0.028	0.0924	0.4169	0.0227	1.30E-05	0.3948	0.0056	4.76E-08
276		0.00	0.000	0.025	0.0904	0.3935	0.0215	1.23E-05	0.3947	0.0056	4.76E-08
277		0.00	0.000	0.024	0.0886	0.3751	0.0204	1.17E-05	0.3947	0.0056	4.76E-08
278		0.00	0.000	0.022	0.0868	0.3561	0.0194	1.11E-05	0.3947	0.0056	4.76E-08
279		0.00	0.000	0.021	0.0852	0.3348	0.0182	1.05E-05	0.3946	0.0056	4.76E-08
280	*	0.16	0.000	0.036	0.0853	0.3117	0.0170	9.73E-06	0.3946	0.0056	4.76E-08
281		0.00	0.000	0.053	0.0855	0.2890	0.0158	9.02E-06	0.3945	0.0056	4.76E-08
282		0.00	0.000	0.055	0.0840	0.2706	0.0148	8.45E-06	0.3944	0.0056	4.76E-08
283		0.34	0.000	0.031	0.0962	0.2531	0.0138	7.90E-06	0.3944	0.0056	4.75E-08
284		0.01	0.000	0.067	0.0930	0.2388	0.0130	7.45E-06	0.3943	0.0056	4.75E-08
285	*	0.00	0.000	0.018	0.0918	0.2252	0.0123	7.03E-06	0.3943	0.0056	4.75E-08
286		0.31	0.000	0.029	0.1028	0.2085	0.0114	6.50E-06	0.3942	0.0056	4.75E-08
287		0.03	0.000	0.085	0.1002	0.1970	0.0107	6.15E-06	0.3941	0.0056	4.75E-08
288		0.17	0.000	0.116	0.1019	0.1857	0.0101	5.79E-06	0.3941	0.0056	4.75E-08

289		0.00	0.000	0.081	0.0982	0.1724	0.0094	5.38E-06	0.3940	0.0056	4.75E-08
290		0.01	0.000	0.083	0.0948	0.1503	0.0082	4.69E-06	0.3940	0.0056	4.75E-08
291		0.00	0.000	0.136	0.0889	0.1318	0.0072	4.11E-06	0.3939	0.0056	4.75E-08
292		0.00	0.000	0.083	0.0851	0.1217	0.0066	3.79E-06	0.3938	0.0056	4.75E-08
293	*	0.00	0.000	0.000	0.0849	0.1218	0.0066	3.80E-06	0.3938	0.0056	4.75E-08
294		0.05	0.000	0.060	0.0840	0.1231	0.0067	3.84E-06	0.3937	0.0056	4.75E-08
295		0.02	0.000	0.049	0.0824	0.1185	0.0065	3.69E-06	0.3936	0.0056	4.75E-08
296		0.41	0.000	0.044	0.0973	0.1147	0.0063	3.57E-06	0.3936	0.0056	4.74E-08
297		0.00	0.000	0.060	0.0946	0.1101	0.0060	3.43E-06	0.3935	0.0056	4.74E-08
298		0.00	0.000	0.096	0.0903	0.1026	0.0056	3.19E-06	0.3934	0.0056	4.74E-08
299		0.00	0.000	0.068	0.0873	0.0959	0.0052	2.99E-06	0.3934	0.0056	4.74E-08
300	*	0.00	0.000	0.003	0.0870	0.0960	0.0052	2.99E-06	0.3933	0.0056	4.74E-08
301	*	0.00	0.000	0.000	0.0868	0.0993	0.0054	3.09E-06	0.3933	0.0056	4.74E-08
302		0.00	0.000	0.035	0.0851	0.0984	0.0054	3.06E-06	0.3932	0.0056	4.74E-08
303	*	0.12	0.000	0.030	0.0857	0.0956	0.0052	2.98E-06	0.3931	0.0056	4.74E-08
304		1.86	0.000	0.000	0.1662	0.0947	0.0052	2.95E-06	0.3931	0.0056	4.74E-08
305	*	0.33	0.000	0.020	0.1665	0.2402	0.0131	7.52E-06	0.3930	0.0056	4.74E-08
306	*	0.00	0.000	0.006	0.1644	1.2559	0.0685	3.96E-05	0.3930	0.0056	4.74E-08
307		0.07	0.000	0.000	0.1751	1.3733	0.0749	4.33E-05	0.3930	0.0056	4.74E-08
308		0.14	0.000	0.045	0.1757	1.4393	0.0785	4.55E-05	0.3931	0.0056	4.74E-08
309	*	0.00	0.000	0.000	0.1725	1.4387	0.0784	4.54E-05	0.3931	0.0056	4.74E-08
310	*	0.00	0.000	0.000	0.1689	1.5821	0.0862	5.00E-05	0.3931	0.0056	4.74E-08
311	*	0.00	0.000	0.000	0.1651	1.6832	0.0918	5.33E-05	0.3932	0.0056	4.74E-08
312	*	0.00	0.000	0.000	0.1612	1.7080	0.0931	5.41E-05	0.3932	0.0056	4.74E-08
313	*	0.00	0.000	0.000	0.1574	1.6717	0.0911	5.29E-05	0.3932	0.0056	4.74E-08
314	*	0.00	0.000	0.000	0.1537	1.6012	0.0873	5.06E-05	0.3932	0.0056	4.74E-08
315	*	0.00	0.000	0.000	0.1503	1.5133	0.0825	4.78E-05	0.3932	0.0056	4.74E-08
316	*	0.00	0.000	0.000	0.1471	1.4178	0.0773	4.48E-05	0.3932	0.0056	4.74E-08
317		0.00	0.000	0.027	0.1430	1.3209	0.0720	4.17E-05	0.3931	0.0056	4.74E-08
318	*	0.01	0.000	0.029	0.1393	1.2244	0.0667	3.86E-05	0.3931	0.0056	4.74E-08
319		0.00	0.000	0.053	0.1346	1.1352	0.0619	3.57E-05	0.3930	0.0056	4.74E-08
320		0.00	0.000	0.048	0.1302	1.0485	0.0572	3.30E-05	0.3929	0.0056	4.74E-08
321		0.00	0.000	0.077	0.1248	0.9631	0.0525	3.03E-05	0.3929	0.0056	4.74E-08
322		0.00	0.000	0.029	0.1216	0.8843	0.0482	2.78E-05	0.3928	0.0056	4.73E-08
323		0.00	0.000	0.032	0.1184	0.8281	0.0451	2.60E-05	0.3927	0.0056	4.73E-08
324		0.00	0.000	0.029	0.1155	0.7664	0.0418	2.40E-05	0.3926	0.0056	4.73E-08
325	*	0.00	0.000	0.019	0.1131	0.7019	0.0383	2.20E-05	0.3925	0.0056	4.73E-08

326	*		0.00	0.000	0.000	0.1116	0.6383	0.0348	2.00E-05	0.3924	0.0056	4.73E-08
327	*		0.42	0.000	0.016	0.1111	0.5750	0.0313	1.80E-05	0.3922	0.0056	4.73E-08
328	*		0.00	0.000	0.013	0.1108	0.5158	0.0281	1.61E-05	0.3921	0.0056	4.73E-08
329	*		0.00	0.000	0.011	0.1105	0.4657	0.0254	1.46E-05	0.3920	0.0056	4.73E-08
330	*	*	0.01	0.000	0.000	0.1096	0.4153	0.0226	1.30E-05	0.3919	0.0056	4.72E-08
331		*	0.00	0.000	0.026	0.1088	0.3577	0.0195	1.12E-05	0.3918	0.0056	4.72E-08
332	*	*	0.00	0.000	0.010	0.1081	0.3080	0.0168	9.62E-06	0.3917	0.0055	4.72E-08
333		*	0.00	0.003	0.000	0.1195	0.2653	0.0145	8.28E-06	0.3915	0.0055	4.72E-08
334		*	0.00	0.000	0.000	0.1190	0.2285	0.0125	7.13E-06	0.3914	0.0055	4.72E-08
335		*	0.00	0.000	0.000	0.1185	0.1968	0.0107	6.14E-06	0.3913	0.0055	4.72E-08
336		*	0.00	0.000	0.000	0.1181	0.1695	0.0092	5.28E-06	0.3912	0.0055	4.72E-08
337		*	0.00	0.000	0.000	0.1178	0.1460	0.0080	4.55E-06	0.3911	0.0055	4.71E-08
338	*	*	0.02	0.000	0.020	0.1175	0.1257	0.0069	3.92E-06	0.3910	0.0055	4.71E-08
339	*	*	0.05	0.000	0.025	0.1173	0.1083	0.0059	3.37E-06	0.3909	0.0055	4.71E-08
340	*	*	0.00	0.000	0.010	0.1171	0.0932	0.0051	2.90E-06	0.3908	0.0055	4.71E-08
341	*	*	0.00	0.000	0.012	0.1169	0.0803	0.0044	2.50E-06	0.3907	0.0055	4.71E-08
342	*	*	0.00	0.000	0.000	0.1167	0.0692	0.0038	2.15E-06	0.3906	0.0055	4.71E-08
343		*	0.00	0.000	0.000	0.1166	0.0596	0.0032	1.85E-06	0.3905	0.0055	4.71E-08
344		*	0.02	0.000	0.006	0.1172	0.0513	0.0028	1.60E-06	0.3904	0.0055	4.71E-08
345		*	0.00	0.000	0.000	0.1171	0.0442	0.0024	1.38E-06	0.3903	0.0055	4.70E-08
346	*	*	0.00	0.000	0.000	0.1171	0.0381	0.0021	1.19E-06	0.3902	0.0055	4.70E-08
347	*	*	0.09	0.000	0.020	0.1170	0.0328	0.0018	1.02E-06	0.3901	0.0055	4.70E-08
348	*	*	0.01	0.000	0.005	0.1169	0.0282	0.0015	8.82E-07	0.3900	0.0055	4.70E-08
349	*	*	0.00	0.000	0.002	0.1169	0.0243	0.0013	7.62E-07	0.3899	0.0055	4.70E-08
350	*	*	0.00	0.000	0.003	0.1168	0.0209	0.0011	6.58E-07	0.3899	0.0055	4.70E-08
351	*	*	0.00	0.000	0.019	0.1168	0.0180	0.0010	5.68E-07	0.3898	0.0055	4.70E-08
352	*	*	0.00	0.000	0.006	0.1167	0.0155	0.0008	4.91E-07	0.3897	0.0055	4.70E-08
353	*	*	0.17	0.000	0.000	0.1167	0.0134	0.0007	4.25E-07	0.3896	0.0055	4.70E-08
354		*	0.00	0.000	0.019	0.1245	0.0115	0.0006	3.68E-07	0.3896	0.0055	4.70E-08
355		*	0.00	0.000	0.000	0.1245	0.0099	0.0005	3.19E-07	0.3895	0.0055	4.70E-08
356	*	*	0.00	0.000	0.000	0.1245	0.0085	0.0005	2.76E-07	0.3894	0.0055	4.69E-08
357	*	*	0.00	0.000	0.000	0.1245	0.0074	0.0004	2.40E-07	0.3894	0.0055	4.69E-08
358	*	*	0.00	0.000	0.000	0.1244	0.0063	0.0003	2.09E-07	0.3893	0.0055	4.69E-08
359	*	*	0.00	0.000	0.000	0.1244	0.0055	0.0003	1.82E-07	0.3893	0.0055	4.69E-08
360	*	*	0.00	0.000	0.000	0.1244	0.0047	0.0003	1.58E-07	0.3892	0.0055	4.69E-08
361	*	*	0.00	0.000	0.000	0.1244	0.0040	0.0002	1.38E-07	0.3891	0.0055	4.69E-08
362	*	*	0.03	0.000	0.005	0.1244	0.0035	0.0002	1.21E-07	0.3891	0.0055	4.69E-08

363	*	*	0.10	0.000	0.002	0.1244	0.0030	0.0002	1.06E-07	0.3890	0.0055	4.69E-08
364	*	*	0.00	0.000	0.012	0.1244	0.0026	0.0001	9.32E-08	0.3890	0.0055	4.69E-08
365	*	*	0.00	0.000	0.010	0.1244	0.0022	0.0001	8.20E-08	0.3889	0.0055	4.69E-08

* = Frozen (air or soil)

Annual Totals for Year 8			
	inches	cubic feet	percent
Precipitation	29.53	901,376.3	100.00
Runoff	3.040	92,815.1	10.30
Evapotranspiration	19.267	588,200.2	65.26
Drainage Collected from Layer 2	7.5434	230,288.4	25.55
Percolation/Leakage through Layer 3	0.004427	135.1	0.01
Average Head on Top of Layer 3	0.3781	---	---
Drainage Collected from Layer 5	2.0719	63,252.3	7.02
Percolation/Leakage through Layer 7	0.000018	0.5383	0.00
Average Head on Top of Layer 6	0.3996	---	---
Change in Water Storage	-2.3971	-73,180.2	-8.12
Soil Water at Start of Year	315.1862	9,622,099.5	1067.49
Soil Water at End of Year	313.3817	9,567,011.0	1061.38
Snow Water at Start of Year	0.6899	21,063.0	2.34
Snow Water at End of Year	0.0973	2,971.4	0.33
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 9

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.16	0.000	0.000	0.1244	0.0017	0.0001	6.44E-08	0.3888	0.0055	4.69E-08
2	*	*	0.00	0.000	0.004	0.1244	0.0014	0.0001	5.74E-08	0.3888	0.0055	4.69E-08
3	*	*	0.00	0.000	0.009	0.1244	0.0012	0.0001	5.13E-08	0.3887	0.0055	4.69E-08
4	*	*	0.00	0.000	0.004	0.1244	0.0011	0.0001	4.61E-08	0.3887	0.0055	4.69E-08
5	*	*	0.00	0.000	0.021	0.1244	0.0009	0.0000	4.16E-08	0.3886	0.0055	4.68E-08
6	*	*	0.00	0.000	0.008	0.1244	0.0008	0.0000	3.77E-08	0.3886	0.0055	4.68E-08
7	*	*	0.00	0.000	0.006	0.1244	0.0007	0.0000	3.43E-08	0.3886	0.0055	4.68E-08
8	*	*	0.00	0.000	0.021	0.1244	0.0006	0.0000	3.15E-08	0.3885	0.0055	4.68E-08
9	*	*	0.00	0.000	0.025	0.1244	0.0005	0.0000	2.90E-08	0.3885	0.0055	4.68E-08
10	*	*	0.07	0.000	0.009	0.1244	0.0004	0.0000	2.68E-08	0.3884	0.0055	4.68E-08
11	*	*	0.11	0.000	0.015	0.1244	0.0004	0.0000	2.50E-08	0.3884	0.0055	4.68E-08
12	*	*	0.00	0.000	0.022	0.1244	0.0003	0.0000	2.34E-08	0.3884	0.0055	4.68E-08
13	*	*	0.00	0.000	0.008	0.1244	0.0003	0.0000	2.21E-08	0.3883	0.0055	4.68E-08
14	*	*	0.00	0.000	0.000	0.1244	0.0002	0.0000	2.09E-08	0.3883	0.0055	4.68E-08
15		*	0.04	0.000	0.000	0.1260	0.0002	0.0000	1.99E-08	0.3882	0.0055	4.68E-08
16		*	0.00	0.010	0.008	0.1374	0.0002	0.0000	1.90E-08	0.3882	0.0055	4.68E-08
17		*	0.00	0.000	0.000	0.1374	0.0002	0.0000	1.83E-08	0.3882	0.0055	4.68E-08
18		*	0.00	0.000	0.000	0.1374	0.0001	0.0000	1.76E-08	0.3881	0.0055	4.68E-08
19	*	*	0.00	0.000	0.000	0.1374	0.0001	0.0000	1.71E-08	0.3881	0.0055	4.68E-08
20	*	*	0.09	0.000	0.011	0.1374	0.0001	0.0000	1.66E-08	0.3880	0.0055	4.68E-08
21	*	*	0.00	0.000	0.009	0.1374	0.0001	0.0000	1.62E-08	0.3880	0.0055	4.68E-08
22	*	*	0.00	0.000	0.023	0.1374	0.0001	0.0000	1.58E-08	0.3880	0.0055	4.68E-08
23		*	0.15	0.001	0.013	0.1451	0.0001	0.0000	1.55E-08	0.3879	0.0055	4.68E-08
24		*	0.03	0.000	0.004	0.1460	0.0001	0.0000	1.52E-08	0.3879	0.0055	4.68E-08
25		*	0.00	0.000	0.000	0.1460	0.0000	0.0000	1.50E-08	0.3878	0.0055	4.67E-08
26	*	*	0.05	0.000	0.022	0.1460	0.0000	0.0000	1.48E-08	0.3878	0.0055	4.67E-08
27	*	*	0.00	0.000	0.025	0.1460	0.0000	0.0000	1.46E-08	0.3878	0.0055	4.67E-08
28	*	*	0.02	0.000	0.017	0.1460	0.0000	0.0000	1.45E-08	0.3877	0.0055	4.67E-08
29	*	*	0.14	0.000	0.027	0.1460	0.0000	0.0000	1.44E-08	0.3877	0.0055	4.67E-08

30	*	*	0.10	0.000	0.000	0.1460	0.0000	0.0000	1.43E-08	0.3877	0.0055	4.67E-08
31		*	0.02	0.006	0.006	0.1549	0.0000	0.0000	1.42E-08	0.3876	0.0055	4.67E-08
32	*	*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.41E-08	0.3876	0.0055	4.67E-08
33		*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.40E-08	0.3875	0.0055	4.67E-08
34	*	*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.40E-08	0.3875	0.0055	4.67E-08
35	*	*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.39E-08	0.3875	0.0055	4.67E-08
36	*	*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.39E-08	0.3874	0.0055	4.67E-08
37	*	*	0.02	0.000	0.018	0.1549	0.0000	0.0000	1.38E-08	0.3874	0.0055	4.67E-08
38	*	*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.38E-08	0.3873	0.0055	4.67E-08
39	*	*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.38E-08	0.3873	0.0055	4.67E-08
40	*	*	0.00	0.000	0.000	0.1549	0.0000	0.0000	1.37E-08	0.3873	0.0055	4.67E-08
41		*	0.27	0.020	0.004	0.1650	0.0000	0.0000	1.37E-08	0.3872	0.0055	4.67E-08
42	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	1.37E-08	0.3872	0.0055	4.67E-08
43	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	1.37E-08	0.3871	0.0055	4.67E-08
44	*	*	0.05	0.000	0.014	0.1650	0.0000	0.0000	1.37E-08	0.3871	0.0055	4.67E-08
45	*	*	0.00	0.000	0.006	0.1650	0.0000	0.0000	1.37E-08	0.3871	0.0055	4.67E-08
46	*	*	0.00	0.000	0.010	0.1650	0.0000	0.0000	1.37E-08	0.3870	0.0055	4.67E-08
47	*	*	0.00	0.000	0.002	0.1650	0.0000	0.0000	1.37E-08	0.3870	0.0055	4.66E-08
48	*	*	0.00	0.000	0.009	0.1650	0.0000	0.0000	1.36E-08	0.3869	0.0055	4.66E-08
49	*	*	0.00	0.000	0.004	0.1650	0.0000	0.0000	1.36E-08	0.3869	0.0055	4.66E-08
50	*	*	0.10	0.000	0.008	0.1650	0.0000	0.0000	1.36E-08	0.3869	0.0055	4.66E-08
51	*	*	0.01	0.000	0.000	0.1650	0.0000	0.0000	1.36E-08	0.3868	0.0055	4.66E-08
52	*	*	0.00	0.000	0.004	0.1650	0.0000	0.0000	1.36E-08	0.3868	0.0055	4.66E-08
53	*	*	0.00	0.000	0.002	0.1650	0.0000	0.0000	1.36E-08	0.3867	0.0055	4.66E-08
54	*	*	0.00	0.000	0.001	0.1650	0.0000	0.0000	1.36E-08	0.3867	0.0055	4.66E-08
55	*	*	0.00	0.000	0.009	0.1650	0.0000	0.0000	1.36E-08	0.3867	0.0055	4.66E-08
56	*	*	0.00	0.000	0.022	0.1650	0.0000	0.0000	1.36E-08	0.3866	0.0055	4.66E-08
57	*	*	0.00	0.000	0.039	0.1650	0.0000	0.0000	1.36E-08	0.3866	0.0055	4.66E-08
58	*	*	0.00	0.000	0.014	0.1650	0.0000	0.0000	1.36E-08	0.3865	0.0055	4.66E-08
59	*	*	0.00	0.000	0.023	0.1650	0.0000	0.0000	1.36E-08	0.3865	0.0055	4.66E-08
60	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	3.69E-09	0.3865	0.0055	4.66E-08
61	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3864	0.0055	4.66E-08
62	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3864	0.0055	4.66E-08
63	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3863	0.0055	4.66E-08
64	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3863	0.0055	4.66E-08
65	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3862	0.0055	4.66E-08
66	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3862	0.0055	4.65E-08

67	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3862	0.0055	4.65E-08
68	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3861	0.0055	4.65E-08
69	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3861	0.0055	4.65E-08
70	*	*	0.02	0.000	0.017	0.1650	0.0000	0.0000	0.00E+00	0.3860	0.0055	4.65E-08
71	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3860	0.0055	4.65E-08
72	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3859	0.0055	4.65E-08
73	*	*	0.00	0.000	0.000	0.1650	0.0000	0.0000	0.00E+00	0.3859	0.0055	4.65E-08
74	*	*	0.11	0.000	0.007	0.1650	0.0000	0.0000	0.00E+00	0.3858	0.0055	4.65E-08
75	*	*	0.00	0.000	0.014	0.1650	0.0000	0.0000	0.00E+00	0.3858	0.0055	4.65E-08
76	*	*	0.30	0.000	0.002	0.1650	0.0000	0.0000	0.00E+00	0.3858	0.0055	4.65E-08
77	*	*	0.00	0.000	0.004	0.1650	0.0000	0.0000	0.00E+00	0.3857	0.0055	4.65E-08
78	*	*	0.00	0.000	0.005	0.1650	0.0000	0.0000	0.00E+00	0.3857	0.0055	4.65E-08
79	*	*	0.00	0.000	0.002	0.1650	0.0000	0.0000	0.00E+00	0.3856	0.0055	4.65E-08
80	*	*	0.00	0.000	0.023	0.1650	0.0000	0.0000	0.00E+00	0.3856	0.0055	4.65E-08
81		*	0.04	0.084	0.090	0.1743	0.0000	0.0000	0.00E+00	0.3855	0.0055	4.65E-08
82		*	0.00	0.000	0.000	0.1743	0.0000	0.0000	0.00E+00	0.3855	0.0055	4.65E-08
83		*	0.00	0.000	0.000	0.1743	0.0000	0.0000	0.00E+00	0.3854	0.0055	4.65E-08
84		*	0.00	0.000	0.001	0.1743	0.0000	0.0000	0.00E+00	0.3854	0.0055	4.65E-08
85		*	0.00	0.000	0.000	0.1743	0.0000	0.0000	0.00E+00	0.3853	0.0055	4.64E-08
86		*	0.00	0.000	0.000	0.1743	0.0000	0.0000	0.00E+00	0.3853	0.0055	4.64E-08
87	*	*	0.00	0.000	0.000	0.1743	0.0000	0.0000	0.00E+00	0.3853	0.0055	4.64E-08
88		*	0.00	0.000	0.000	0.1743	0.0000	0.0000	0.00E+00	0.3852	0.0055	4.64E-08
89		*	0.00	0.000	0.000	0.1743	0.0000	0.0000	0.00E+00	0.3852	0.0055	4.64E-08
90		*	0.09	0.000	0.003	0.1779	0.0000	0.0000	0.00E+00	0.3851	0.0055	4.64E-08
91		*	0.10	0.000	0.003	0.1819	0.0000	0.0000	0.00E+00	0.3851	0.0055	4.64E-08
92		*	0.00	0.000	0.000	0.1819	0.0000	0.0000	0.00E+00	0.3850	0.0055	4.64E-08
93		*	0.00	0.000	0.000	0.1819	0.0000	0.0000	0.00E+00	0.3850	0.0055	4.64E-08
94	*	*	0.00	0.000	0.000	0.1819	0.0000	0.0000	0.00E+00	0.3849	0.0055	4.64E-08
95		*	0.00	0.000	0.000	0.1819	0.0000	0.0000	0.00E+00	0.3849	0.0055	4.64E-08
96	*	*	0.08	0.000	0.034	0.1819	0.0000	0.0000	0.00E+00	0.3848	0.0055	4.64E-08
97	*	*	0.18	0.000	0.009	0.1819	0.0000	0.0000	0.00E+00	0.3848	0.0055	4.64E-08
98	*	*	0.00	0.000	0.024	0.1819	0.0000	0.0000	0.00E+00	0.3847	0.0055	4.64E-08
99	*	*	0.00	0.000	0.007	0.1819	0.0000	0.0000	0.00E+00	0.3847	0.0055	4.64E-08
100	*	*	0.15	0.000	0.011	0.1819	0.0000	0.0000	0.00E+00	0.3846	0.0054	4.64E-08
101	*	*	0.00	0.000	0.019	0.1819	0.0000	0.0000	0.00E+00	0.3846	0.0054	4.64E-08
102	*	*	0.00	0.000	0.031	0.1819	0.0000	0.0000	0.00E+00	0.3845	0.0054	4.63E-08
103	*	*	0.00	0.000	0.012	0.1819	0.0000	0.0000	0.00E+00	0.3845	0.0054	4.63E-08

104		*	0.00	0.038	0.113	0.1867	0.0000	0.0000	0.00E+00	0.3844	0.0054	4.63E-08
105		*	0.19	0.014	0.003	0.1940	0.0000	0.0000	0.00E+00	0.3844	0.0054	4.63E-08
106	*	*	0.08	0.000	0.037	0.1940	0.0000	0.0000	0.00E+00	0.3844	0.0054	4.63E-08
107	*	*	0.37	0.000	0.039	0.1940	0.0000	0.0000	0.00E+00	0.3843	0.0054	4.63E-08
108		*	0.00	0.103	0.098	0.2009	0.0000	0.0000	0.00E+00	0.3843	0.0054	4.63E-08
109		*	0.00	0.000	0.000	0.2009	0.0000	0.0000	0.00E+00	0.3842	0.0054	4.63E-08
110		*	0.06	0.000	0.003	0.2034	0.0000	0.0000	0.00E+00	0.3842	0.0054	4.63E-08
111		*	0.00	0.000	0.000	0.2034	0.0000	0.0000	0.00E+00	0.3841	0.0054	4.63E-08
112		*	0.00	0.000	0.000	0.2034	0.0000	0.0000	0.00E+00	0.3841	0.0054	4.63E-08
113		*	0.00	0.000	0.000	0.2034	0.0000	0.0000	0.00E+00	0.3840	0.0054	4.63E-08
114	*	*	0.00	0.000	0.000	0.2034	0.0000	0.0000	0.00E+00	0.3840	0.0054	4.63E-08
115	*	*	0.00	0.000	0.000	0.2034	0.0000	0.0000	0.00E+00	0.3839	0.0054	4.63E-08
116	*	*	0.00	0.000	0.000	0.2034	0.0000	0.0000	0.00E+00	0.3839	0.0054	4.63E-08
117		*	0.00	0.000	0.000	0.2034	0.0000	0.0000	0.00E+00	0.3838	0.0054	4.63E-08
118		*	0.06	0.000	0.003	0.2057	0.0000	0.0000	0.00E+00	0.3838	0.0054	4.63E-08
119		*	0.00	0.000	0.000	0.2057	0.0000	0.0000	0.00E+00	0.3837	0.0054	4.62E-08
120		*	0.00	0.000	0.000	0.2057	0.0000	0.0000	0.00E+00	0.3837	0.0054	4.62E-08
121		*	0.08	0.000	0.003	0.2089	0.0000	0.0000	0.00E+00	0.3836	0.0054	4.62E-08
122	*	*	0.12	0.000	0.052	0.2089	0.0000	0.0000	0.00E+00	0.3836	0.0054	4.62E-08
123		*	0.68	0.433	0.000	0.2221	0.0000	0.0000	0.00E+00	0.3835	0.0054	4.62E-08
124		*	0.28	0.088	0.003	0.2302	0.0000	0.0000	0.00E+00	0.3835	0.0054	4.62E-08
125		*	0.00	0.000	0.000	0.2302	0.0000	0.0000	0.00E+00	0.3834	0.0054	4.62E-08
126		*	0.25	0.072	0.003	0.2373	0.0000	0.0000	0.00E+00	0.3834	0.0054	4.62E-08
127			0.01	0.000	0.197	0.2208	3.8026	0.2073	1.25E-04	0.3834	0.0054	4.62E-08
128	*		2.03	0.000	0.000	0.2069	6.4800	0.3532	2.13E-04	0.3838	0.0054	4.63E-08
129	*		0.10	0.000	0.027	0.1945	5.8417	0.3184	1.91E-04	0.3842	0.0054	4.63E-08
130			0.44	0.063	0.000	0.2843	5.3928	0.2940	1.76E-04	0.3846	0.0054	4.63E-08
131			0.05	0.000	0.315	0.2527	9.1262	0.4975	3.06E-04	0.3850	0.0055	4.64E-08
132			0.00	0.000	0.280	0.2219	8.4166	0.4588	2.81E-04	0.3855	0.0055	4.65E-08
133			0.00	0.000	0.272	0.1946	7.0455	0.3841	2.33E-04	0.3859	0.0055	4.65E-08
134			0.07	0.000	0.133	0.1781	6.1299	0.3342	2.01E-04	0.3861	0.0055	4.65E-08
135			0.00	0.000	0.054	0.1635	5.4262	0.2958	1.77E-04	0.3862	0.0055	4.66E-08
136	*		0.00	0.000	0.041	0.1523	4.1511	0.2263	1.34E-04	0.3862	0.0055	4.66E-08
137			1.27	0.000	0.038	0.1958	3.5533	0.1937	1.14E-04	0.3861	0.0055	4.65E-08
138			0.08	0.000	0.201	0.1835	3.1560	0.1720	1.01E-04	0.3860	0.0055	4.65E-08
139			0.00	0.000	0.207	0.1686	2.7885	0.1520	8.91E-05	0.3858	0.0055	4.65E-08
140			0.02	0.000	0.186	0.1562	2.4962	0.1361	7.96E-05	0.3856	0.0055	4.65E-08

141		0.02	0.000	0.217	0.1428	2.3493	0.1281	7.48E-05	0.3853	0.0055	4.64E-08
142		0.00	0.000	0.121	0.1329	2.1404	0.1167	6.80E-05	0.3851	0.0055	4.64E-08
143		0.00	0.000	0.049	0.1263	2.0076	0.1094	6.37E-05	0.3848	0.0055	4.64E-08
144		0.00	0.000	0.043	0.1204	1.8096	0.0986	5.73E-05	0.3845	0.0054	4.63E-08
145		0.00	0.000	0.036	0.1152	1.5998	0.0872	5.06E-05	0.3843	0.0054	4.63E-08
146	*	0.00	0.000	0.032	0.1106	1.4390	0.0784	4.54E-05	0.3840	0.0054	4.63E-08
147		0.00	0.000	0.029	0.1064	1.3070	0.0712	4.12E-05	0.3837	0.0054	4.62E-08
148		0.10	0.000	0.031	0.1064	1.1894	0.0648	3.75E-05	0.3834	0.0054	4.62E-08
149		0.47	0.000	0.030	0.1223	1.0811	0.0589	3.40E-05	0.3831	0.0054	4.62E-08
150		0.18	0.000	0.345	0.1131	0.9930	0.0541	3.12E-05	0.3829	0.0054	4.61E-08
151		0.00	0.000	0.029	0.1098	0.8942	0.0487	2.81E-05	0.3826	0.0054	4.61E-08
152		0.04	0.000	0.029	0.1084	0.7824	0.0426	2.46E-05	0.3823	0.0054	4.61E-08
153		0.00	0.000	0.023	0.1058	0.7139	0.0389	2.24E-05	0.3820	0.0054	4.60E-08
154		0.00	0.000	0.027	0.1032	0.6609	0.0360	2.07E-05	0.3818	0.0054	4.60E-08
155		0.00	0.000	0.025	0.1008	0.6120	0.0334	1.92E-05	0.3815	0.0054	4.60E-08
156		0.00	0.000	0.022	0.0986	0.5651	0.0308	1.77E-05	0.3813	0.0054	4.60E-08
157		0.03	0.000	0.025	0.0974	0.5202	0.0284	1.63E-05	0.3810	0.0054	4.59E-08
158		0.52	0.000	0.028	0.1167	0.4772	0.0260	1.49E-05	0.3808	0.0054	4.59E-08
159		0.10	0.000	0.215	0.1110	0.4294	0.0234	1.34E-05	0.3806	0.0054	4.59E-08
160		0.00	0.000	0.126	0.1050	0.3858	0.0210	1.21E-05	0.3804	0.0054	4.58E-08
161		0.00	0.000	0.125	0.0990	0.3570	0.0195	1.12E-05	0.3802	0.0054	4.58E-08
162		0.00	0.000	0.142	0.0923	0.3301	0.0180	1.03E-05	0.3800	0.0054	4.58E-08
163		0.01	0.000	0.067	0.0891	0.3079	0.0168	9.62E-06	0.3798	0.0054	4.58E-08
164		0.02	0.000	0.061	0.0867	0.2908	0.0159	9.08E-06	0.3796	0.0054	4.57E-08
165		0.00	0.000	0.044	0.0843	0.2727	0.0149	8.51E-06	0.3794	0.0054	4.57E-08
166		1.57	0.000	0.042	0.1473	0.2549	0.0139	7.96E-06	0.3792	0.0054	4.57E-08
167		0.01	0.000	0.283	0.1352	0.2416	0.0132	7.54E-06	0.3791	0.0054	4.57E-08
168		0.10	0.000	0.132	0.1333	0.2135	0.0116	6.66E-06	0.3789	0.0054	4.57E-08
169		0.19	0.000	0.121	0.1358	0.2569	0.0140	8.02E-06	0.3788	0.0054	4.56E-08
170		0.60	0.000	0.116	0.1549	0.3942	0.0215	1.23E-05	0.3787	0.0054	4.56E-08
171		0.79	0.000	0.298	0.1744	0.5034	0.0274	1.58E-05	0.3786	0.0054	4.56E-08
172		0.00	0.000	0.177	0.1651	0.8297	0.0452	2.61E-05	0.3785	0.0054	4.56E-08
173		0.03	0.000	0.247	0.1525	1.4806	0.0807	4.68E-05	0.3784	0.0054	4.56E-08
174		0.00	0.000	0.313	0.1360	1.5288	0.0833	4.83E-05	0.3784	0.0054	4.56E-08
175		0.00	0.000	0.156	0.1261	1.5001	0.0818	4.74E-05	0.3784	0.0054	4.56E-08
176		0.00	0.000	0.082	0.1195	1.3908	0.0758	4.39E-05	0.3784	0.0054	4.56E-08
177		0.09	0.000	0.076	0.1170	1.3082	0.0713	4.13E-05	0.3783	0.0054	4.56E-08

178	0.00	0.000	0.055	0.1120	1.2632	0.0689	3.98E-05	0.3783	0.0054	4.56E-08
179	0.00	0.000	0.067	0.1066	1.1935	0.0651	3.76E-05	0.3782	0.0054	4.56E-08
180	0.00	0.000	0.046	0.1021	1.1230	0.0612	3.54E-05	0.3782	0.0054	4.56E-08
181	0.54	0.000	0.063	0.1194	1.0522	0.0574	3.31E-05	0.3781	0.0054	4.56E-08
182	0.04	0.000	0.298	0.1063	0.9735	0.0531	3.06E-05	0.3781	0.0054	4.56E-08
183	0.00	0.000	0.068	0.1015	0.8582	0.0468	2.70E-05	0.3780	0.0054	4.56E-08
184	0.00	0.000	0.071	0.0968	0.7686	0.0419	2.41E-05	0.3779	0.0054	4.55E-08
185	0.00	0.000	0.078	0.0920	0.7031	0.0383	2.20E-05	0.3778	0.0054	4.55E-08
186	0.37	0.000	0.065	0.1030	0.6484	0.0353	2.03E-05	0.3777	0.0054	4.55E-08
187	0.24	0.000	0.328	0.0980	0.5881	0.0321	1.84E-05	0.3776	0.0054	4.55E-08
188	0.00	0.000	0.338	0.0827	0.5288	0.0288	1.66E-05	0.3776	0.0053	4.55E-08
189	0.00	0.000	0.199	0.0733	0.4773	0.0260	1.49E-05	0.3775	0.0053	4.55E-08
190	0.00	0.000	0.162	0.0655	0.4797	0.0261	1.50E-05	0.3774	0.0053	4.55E-08
191	0.00	0.000	0.141	0.0586	0.4787	0.0261	1.50E-05	0.3773	0.0053	4.55E-08
192	0.23	0.000	0.088	0.0633	0.4662	0.0254	1.46E-05	0.3772	0.0053	4.55E-08
193	0.48	0.000	0.077	0.0790	0.4626	0.0252	1.45E-05	0.3772	0.0053	4.54E-08
194	0.57	0.000	0.125	0.0963	0.5000	0.0273	1.56E-05	0.3771	0.0053	4.54E-08
195	0.59	0.000	0.115	0.1149	0.4642	0.0253	1.45E-05	0.3770	0.0053	4.54E-08
196	0.03	0.000	0.293	0.1029	0.4061	0.0221	1.27E-05	0.3769	0.0053	4.54E-08
197	0.01	0.000	0.321	0.0893	0.3512	0.0191	1.10E-05	0.3769	0.0053	4.54E-08
198	0.12	0.000	0.310	0.0809	0.3035	0.0165	9.48E-06	0.3768	0.0053	4.54E-08
199	0.00	0.000	0.228	0.0708	0.2570	0.0140	8.02E-06	0.3767	0.0053	4.54E-08
200	0.00	0.000	0.141	0.0644	0.2342	0.0128	7.31E-06	0.3767	0.0053	4.54E-08
201	0.60	0.000	0.095	0.0851	0.1999	0.0109	6.24E-06	0.3766	0.0053	4.54E-08
202	0.00	0.000	0.105	0.0804	0.1646	0.0090	5.13E-06	0.3765	0.0053	4.54E-08
203	0.00	0.000	0.155	0.0737	0.1375	0.0075	4.29E-06	0.3765	0.0053	4.54E-08
204	0.07	0.000	0.111	0.0716	0.1142	0.0062	3.56E-06	0.3764	0.0053	4.54E-08
205	1.31	0.000	0.266	0.1150	0.0858	0.0047	2.67E-06	0.3763	0.0053	4.54E-08
206	0.06	0.000	0.125	0.1123	0.0723	0.0039	2.25E-06	0.3763	0.0053	4.53E-08
207	0.00	0.000	0.266	0.1011	0.0589	0.0032	1.83E-06	0.3762	0.0053	4.53E-08
208	0.01	0.000	0.105	0.0972	0.0447	0.0024	1.39E-06	0.3762	0.0053	4.53E-08
209	0.00	0.000	0.227	0.0876	0.0432	0.0024	1.34E-06	0.3761	0.0053	4.53E-08
210	0.11	0.000	0.242	0.0820	0.0271	0.0015	8.47E-07	0.3761	0.0053	4.53E-08
211	0.63	0.000	0.200	0.0998	0.0028	0.0001	7.90E-08	0.3760	0.0053	4.53E-08
212	0.06	0.000	0.273	0.0911	0.0000	0.0000	0.00E+00	0.3760	0.0053	4.53E-08
213	0.00	0.000	0.314	0.0781	0.0000	0.0000	0.00E+00	0.3759	0.0053	4.53E-08
214	0.03	0.000	0.254	0.0689	0.0000	0.0000	0.00E+00	0.3759	0.0053	4.53E-08

215	0.39	0.000	0.274	0.0736	0.0261	0.0014	8.18E-07	0.3758	0.0053	4.53E-08
216	0.95	0.000	0.275	0.1018	0.0672	0.0037	2.09E-06	0.3758	0.0053	4.53E-08
217	0.32	0.000	0.179	0.1076	0.0961	0.0052	2.99E-06	0.3758	0.0053	4.53E-08
218	0.06	0.000	0.119	0.1050	0.1023	0.0056	3.19E-06	0.3757	0.0053	4.53E-08
219	0.02	0.000	0.122	0.1006	0.1049	0.0057	3.27E-06	0.3757	0.0053	4.53E-08
220	0.00	0.000	0.117	0.0955	0.1065	0.0058	3.32E-06	0.3757	0.0053	4.53E-08
221	0.00	0.000	0.256	0.0846	0.1063	0.0058	3.31E-06	0.3757	0.0053	4.53E-08
222	0.00	0.000	0.109	0.0797	0.1171	0.0064	3.65E-06	0.3757	0.0053	4.53E-08
223	0.00	0.000	0.236	0.0696	0.1196	0.0065	3.73E-06	0.3756	0.0053	4.53E-08
224	0.00	0.000	0.090	0.0656	0.1043	0.0057	3.25E-06	0.3756	0.0053	4.53E-08
225	0.00	0.000	0.216	0.0565	0.0759	0.0041	2.36E-06	0.3756	0.0053	4.53E-08
226	0.06	0.000	0.197	0.0508	0.0313	0.0017	9.79E-07	0.3756	0.0053	4.53E-08
227	0.06	0.000	0.112	0.0485	0.0062	0.0003	2.04E-07	0.3756	0.0053	4.53E-08
228	0.00	0.000	0.180	0.0411	0.0006	0.0000	0.00E+00	0.3755	0.0053	4.53E-08
229	0.16	0.000	0.117	0.0429	0.0000	0.0000	0.00E+00	0.3755	0.0053	4.52E-08
230	0.02	0.000	0.083	0.0402	0.0000	0.0000	0.00E+00	0.3755	0.0053	4.52E-08
231	0.02	0.000	0.089	0.0374	0.0000	0.0000	0.00E+00	0.3755	0.0053	4.52E-08
232	0.00	0.000	0.057	0.0351	0.0000	0.0000	0.00E+00	0.3754	0.0053	4.52E-08
233	0.00	0.000	0.045	0.0332	0.0000	0.0000	0.00E+00	0.3754	0.0053	4.52E-08
234	0.00	0.000	0.011	0.0327	0.0000	0.0000	0.00E+00	0.3754	0.0053	4.52E-08
235	0.00	0.000	0.005	0.0325	0.0000	0.0000	0.00E+00	0.3754	0.0053	4.52E-08
236	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3754	0.0053	4.52E-08
237	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3753	0.0053	4.52E-08
238	0.12	0.000	0.027	0.0364	0.0000	0.0000	0.00E+00	0.3753	0.0053	4.52E-08
239	0.13	0.000	0.027	0.0407	0.0000	0.0000	0.00E+00	0.3753	0.0053	4.52E-08
240	0.00	0.000	0.033	0.0393	0.0000	0.0000	0.00E+00	0.3753	0.0053	4.52E-08
241	0.06	0.000	0.058	0.0392	0.0000	0.0000	0.00E+00	0.3753	0.0053	4.52E-08
242	0.44	0.000	0.062	0.0551	0.0000	0.0000	0.00E+00	0.3753	0.0053	4.52E-08
243	0.17	0.000	0.078	0.0590	0.0000	0.0000	0.00E+00	0.3752	0.0053	4.52E-08
244	0.03	0.000	0.103	0.0558	0.0000	0.0000	0.00E+00	0.3752	0.0053	4.52E-08
245	0.19	0.000	0.097	0.0596	0.0000	0.0000	0.00E+00	0.3752	0.0053	4.52E-08
246	0.08	0.000	0.091	0.0592	0.0000	0.0000	0.00E+00	0.3752	0.0053	4.52E-08
247	0.00	0.000	0.057	0.0568	0.0000	0.0000	0.00E+00	0.3752	0.0053	4.52E-08
248	0.00	0.000	0.133	0.0512	0.0000	0.0000	0.00E+00	0.3752	0.0053	4.52E-08
249	0.36	0.000	0.186	0.0583	0.0000	0.0000	0.00E+00	0.3752	0.0053	4.52E-08
250	0.00	0.000	0.192	0.0503	0.0000	0.0000	0.00E+00	0.3751	0.0053	4.52E-08
251	0.00	0.000	0.094	0.0464	0.0000	0.0000	0.00E+00	0.3751	0.0053	4.52E-08

252		0.15	0.000	0.110	0.0481	0.0000	0.0000	0.00E+00	0.3751	0.0053	4.52E-08
253		0.00	0.000	0.086	0.0445	0.0000	0.0000	0.00E+00	0.3751	0.0053	4.52E-08
254	*	0.00	0.000	0.045	0.0426	0.0000	0.0000	0.00E+00	0.3751	0.0053	4.52E-08
255		0.00	0.000	0.062	0.0400	0.0000	0.0000	0.00E+00	0.3751	0.0053	4.52E-08
256		0.14	0.000	0.170	0.0388	0.0000	0.0000	0.00E+00	0.3750	0.0053	4.52E-08
257		0.01	0.000	0.085	0.0355	0.0000	0.0000	0.00E+00	0.3750	0.0053	4.52E-08
258		0.13	0.000	0.061	0.0383	0.0000	0.0000	0.00E+00	0.3750	0.0053	4.52E-08
259		0.06	0.000	0.080	0.0373	0.0000	0.0000	0.00E+00	0.3750	0.0053	4.52E-08
260		0.00	0.000	0.034	0.0359	0.0000	0.0000	0.00E+00	0.3750	0.0053	4.52E-08
261		0.00	0.000	0.040	0.0343	0.0000	0.0000	0.00E+00	0.3749	0.0053	4.52E-08
262		0.33	0.000	0.097	0.0439	0.0000	0.0000	0.00E+00	0.3749	0.0053	4.52E-08
263		0.10	0.000	0.130	0.0425	0.0000	0.0000	0.00E+00	0.3749	0.0053	4.52E-08
264		0.00	0.000	0.068	0.0397	0.0000	0.0000	0.00E+00	0.3749	0.0053	4.52E-08
265		0.01	0.000	0.093	0.0361	0.0000	0.0000	0.00E+00	0.3749	0.0053	4.52E-08
266		0.00	0.000	0.038	0.0345	0.0000	0.0000	0.00E+00	0.3749	0.0053	4.52E-08
267		0.01	0.000	0.037	0.0333	0.0000	0.0000	0.00E+00	0.3748	0.0053	4.52E-08
268		0.03	0.000	0.028	0.0334	0.0000	0.0000	0.00E+00	0.3748	0.0053	4.52E-08
269		0.79	0.000	0.070	0.0633	0.0000	0.0000	0.00E+00	0.3748	0.0053	4.52E-08
270		1.17	0.000	0.065	0.1096	0.0000	0.0000	0.00E+00	0.3748	0.0053	4.52E-08
271	*	0.47	0.000	0.018	0.1104	0.0000	0.0000	0.00E+00	0.3747	0.0053	4.52E-08
272		0.00	0.000	0.016	0.1279	0.0000	0.0000	0.00E+00	0.3747	0.0053	4.52E-08
273	*	0.00	0.000	0.000	0.1279	0.0000	0.0000	0.00E+00	0.3747	0.0053	4.52E-08
274	*	0.41	0.000	0.023	0.1287	0.0000	0.0000	0.00E+00	0.3747	0.0053	4.51E-08
275	*	0.05	0.000	0.025	0.1295	0.0000	0.0000	0.00E+00	0.3746	0.0053	4.51E-08
276	*	0.00	0.000	0.012	0.1304	0.0000	0.0000	0.00E+00	0.3746	0.0053	4.51E-08
277		0.00	0.000	0.006	0.1443	0.0000	0.0000	0.00E+00	0.3746	0.0053	4.51E-08
278		0.00	0.000	0.035	0.1429	0.0000	0.0000	0.00E+00	0.3746	0.0053	4.51E-08
279		0.00	0.000	0.050	0.1408	0.0000	0.0000	0.00E+00	0.3745	0.0053	4.51E-08
280		0.00	0.000	0.097	0.1365	0.1070	0.0058	3.34E-06	0.3745	0.0053	4.51E-08
281		0.00	0.000	0.044	0.1338	0.3472	0.0189	1.08E-05	0.3745	0.0053	4.51E-08
282		0.00	0.000	0.053	0.1305	0.4880	0.0266	1.53E-05	0.3745	0.0053	4.51E-08
283	*	0.00	0.000	0.041	0.1275	0.5561	0.0303	1.74E-05	0.3745	0.0053	4.51E-08
284		0.00	0.000	0.061	0.1236	0.5997	0.0327	1.88E-05	0.3745	0.0053	4.51E-08
285		0.00	0.000	0.158	0.1156	0.6127	0.0334	1.92E-05	0.3745	0.0053	4.51E-08
286		0.00	0.000	0.095	0.1103	0.6135	0.0334	1.92E-05	0.3746	0.0053	4.51E-08
287		0.00	0.000	0.042	0.1072	0.5900	0.0322	1.85E-05	0.3746	0.0053	4.51E-08
288		0.00	0.000	0.054	0.1037	0.5511	0.0300	1.73E-05	0.3745	0.0053	4.51E-08

289			0.06	0.000	0.054	0.1029	0.5162	0.0281	1.62E-05	0.3745	0.0053	4.51E-08
290			0.90	0.000	0.047	0.1372	0.4870	0.0265	1.52E-05	0.3745	0.0053	4.51E-08
291			0.08	0.000	0.038	0.1379	0.4707	0.0257	1.47E-05	0.3745	0.0053	4.51E-08
292	*		0.04	0.000	0.019	0.1377	0.4575	0.0249	1.43E-05	0.3745	0.0053	4.51E-08
293			0.01	0.000	0.052	0.1351	0.4550	0.0248	1.42E-05	0.3744	0.0053	4.51E-08
294			0.00	0.000	0.032	0.1328	0.4593	0.0250	1.44E-05	0.3744	0.0053	4.51E-08
295			0.14	0.000	0.047	0.1356	0.4424	0.0241	1.38E-05	0.3744	0.0053	4.51E-08
296			0.20	0.000	0.054	0.1409	0.4111	0.0224	1.29E-05	0.3743	0.0053	4.51E-08
297			0.00	0.000	0.049	0.1380	0.3632	0.0198	1.14E-05	0.3743	0.0053	4.51E-08
298			0.00	0.000	0.109	0.1328	0.3262	0.0178	1.02E-05	0.3743	0.0053	4.51E-08
299			0.00	0.000	0.071	0.1290	0.3473	0.0189	1.09E-05	0.3742	0.0053	4.51E-08
300	*		0.01	0.000	0.015	0.1283	0.3250	0.0177	1.02E-05	0.3742	0.0053	4.51E-08
301			0.00	0.000	0.036	0.1261	0.3055	0.0167	9.54E-06	0.3741	0.0053	4.51E-08
302	*		0.20	0.000	0.016	0.1262	0.3083	0.0168	9.63E-06	0.3741	0.0053	4.51E-08
303	*		0.00	0.000	0.005	0.1262	0.3509	0.0191	1.10E-05	0.3740	0.0053	4.51E-08
304			0.00	0.000	0.028	0.1299	0.3879	0.0211	1.21E-05	0.3740	0.0053	4.51E-08
305			0.00	0.000	0.032	0.1277	0.4127	0.0225	1.29E-05	0.3739	0.0053	4.51E-08
306			0.00	0.000	0.055	0.1244	0.4275	0.0233	1.34E-05	0.3739	0.0053	4.51E-08
307	*		0.00	0.000	0.021	0.1226	0.4297	0.0234	1.34E-05	0.3738	0.0053	4.50E-08
308			0.00	0.000	0.049	0.1195	0.4376	0.0239	1.37E-05	0.3738	0.0053	4.50E-08
309	*		0.00	0.000	0.021	0.1176	0.4324	0.0236	1.35E-05	0.3738	0.0053	4.50E-08
310			0.00	0.000	0.030	0.1154	0.4257	0.0232	1.33E-05	0.3737	0.0053	4.50E-08
311			0.00	0.000	0.041	0.1128	0.4128	0.0225	1.29E-05	0.3737	0.0053	4.50E-08
312			0.00	0.000	0.053	0.1096	0.4027	0.0220	1.26E-05	0.3736	0.0053	4.50E-08
313	*		0.06	0.000	0.024	0.1096	0.4006	0.0218	1.25E-05	0.3736	0.0053	4.50E-08
314	*		0.12	0.000	0.017	0.1095	0.3913	0.0213	1.22E-05	0.3735	0.0053	4.50E-08
315	*		0.75	0.000	0.020	0.1095	0.3666	0.0200	1.15E-05	0.3735	0.0053	4.50E-08
316	*		0.00	0.000	0.007	0.1095	0.3367	0.0184	1.05E-05	0.3734	0.0053	4.50E-08
317			0.00	0.000	0.000	0.1312	0.3070	0.0167	9.59E-06	0.3734	0.0053	4.50E-08
318	*		0.00	0.000	0.025	0.1314	0.2807	0.0153	8.76E-06	0.3733	0.0053	4.50E-08
319	*		0.00	0.000	0.019	0.1317	0.2489	0.0136	7.77E-06	0.3732	0.0053	4.50E-08
320	*		0.00	0.000	0.014	0.1320	0.2319	0.0126	7.24E-06	0.3732	0.0053	4.50E-08
321	*	*	0.00	0.000	0.004	0.1315	0.2197	0.0120	6.85E-06	0.3731	0.0053	4.50E-08
322	*	*	0.00	0.000	0.006	0.1311	0.1892	0.0103	5.90E-06	0.3730	0.0053	4.50E-08
323	*	*	0.00	0.000	0.014	0.1307	0.1630	0.0089	5.08E-06	0.3730	0.0053	4.49E-08
324	*	*	0.00	0.000	0.020	0.1304	0.1404	0.0077	4.37E-06	0.3729	0.0053	4.49E-08
325		*	0.02	0.000	0.047	0.1324	0.1209	0.0066	3.77E-06	0.3728	0.0053	4.49E-08

326		*	0.32	0.016	0.008	0.1447	0.1041	0.0057	3.24E-06	0.3728	0.0053	4.49E-08
327		*	0.08	0.000	0.008	0.1477	0.0897	0.0049	2.79E-06	0.3727	0.0053	4.49E-08
328	*	*	0.00	0.000	0.000	0.1475	0.0772	0.0042	2.40E-06	0.3726	0.0053	4.49E-08
329		*	0.00	0.000	0.000	0.1474	0.0665	0.0036	2.07E-06	0.3726	0.0053	4.49E-08
330		*	0.00	0.000	0.000	0.1472	0.0573	0.0031	1.78E-06	0.3725	0.0053	4.49E-08
331		*	0.00	0.000	0.000	0.1471	0.0493	0.0027	1.54E-06	0.3725	0.0053	4.49E-08
332	*	*	0.00	0.000	0.000	0.1470	0.0425	0.0023	1.32E-06	0.3724	0.0053	4.49E-08
333	*	*	0.00	0.000	0.000	0.1469	0.0366	0.0020	1.14E-06	0.3723	0.0053	4.49E-08
334	*	*	0.00	0.000	0.000	0.1469	0.0315	0.0017	9.84E-07	0.3723	0.0053	4.49E-08
335	*	*	0.00	0.000	0.000	0.1468	0.0271	0.0015	8.49E-07	0.3722	0.0053	4.48E-08
336	*	*	0.00	0.000	0.000	0.1468	0.0234	0.0013	7.33E-07	0.3721	0.0053	4.48E-08
337	*	*	0.00	0.000	0.000	0.1467	0.0201	0.0011	6.33E-07	0.3721	0.0053	4.48E-08
338	*	*	0.00	0.000	0.000	0.1467	0.0173	0.0009	5.47E-07	0.3720	0.0053	4.48E-08
339		*	0.00	0.000	0.000	0.1466	0.0149	0.0008	4.73E-07	0.3720	0.0053	4.48E-08
340		*	0.27	0.012	0.007	0.1570	0.0129	0.0007	4.09E-07	0.3719	0.0053	4.48E-08
341		*	0.03	0.000	0.007	0.1578	0.0111	0.0006	3.54E-07	0.3719	0.0053	4.48E-08
342	*	*	0.01	0.000	0.011	0.1577	0.0095	0.0005	3.07E-07	0.3718	0.0053	4.48E-08
343	*	*	0.00	0.000	0.000	0.1577	0.0082	0.0004	2.66E-07	0.3718	0.0053	4.48E-08
344		*	0.00	0.000	0.000	0.1577	0.0071	0.0004	2.31E-07	0.3717	0.0053	4.48E-08
345	*	*	0.00	0.000	0.000	0.1577	0.0061	0.0003	2.01E-07	0.3717	0.0053	4.48E-08
346		*	0.00	0.000	0.000	0.1577	0.0052	0.0003	1.75E-07	0.3716	0.0053	4.48E-08
347		*	0.00	0.000	0.000	0.1577	0.0045	0.0002	1.53E-07	0.3716	0.0053	4.48E-08
348		*	0.00	0.000	0.000	0.1577	0.0039	0.0002	1.33E-07	0.3715	0.0053	4.48E-08
349		*	0.00	0.000	0.000	0.1577	0.0034	0.0002	1.17E-07	0.3715	0.0053	4.48E-08
350		*	0.04	0.000	0.006	0.1589	0.0029	0.0002	1.02E-07	0.3714	0.0053	4.48E-08
351	*	*	0.00	0.000	0.000	0.1589	0.0025	0.0001	9.02E-08	0.3714	0.0053	4.47E-08
352		*	0.00	0.000	0.000	0.1589	0.0021	0.0001	7.93E-08	0.3713	0.0053	4.47E-08
353		*	0.00	0.000	0.000	0.1588	0.0018	0.0001	7.03E-08	0.3713	0.0053	4.47E-08
354	*	*	0.00	0.000	0.000	0.1588	0.0016	0.0001	6.25E-08	0.3712	0.0053	4.47E-08
355		*	0.00	0.000	0.000	0.1588	0.0014	0.0001	5.57E-08	0.3712	0.0053	4.47E-08
356		*	0.00	0.000	0.000	0.1588	0.0012	0.0001	4.98E-08	0.3711	0.0053	4.47E-08
357		*	0.00	0.000	0.000	0.1588	0.0010	0.0001	4.48E-08	0.3711	0.0053	4.47E-08
358		*	0.00	0.000	0.000	0.1588	0.0009	0.0000	4.05E-08	0.3711	0.0053	4.47E-08
359		*	0.00	0.000	0.000	0.1588	0.0008	0.0000	3.68E-08	0.3710	0.0053	4.47E-08
360		*	0.00	0.000	0.000	0.1588	0.0006	0.0000	3.35E-08	0.3710	0.0053	4.47E-08
361		*	0.00	0.000	0.000	0.1588	0.0006	0.0000	3.08E-08	0.3709	0.0053	4.47E-08
362		*	0.00	0.000	0.000	0.1588	0.0005	0.0000	2.84E-08	0.3709	0.0053	4.47E-08

363		0.00	0.000	0.035	0.1572	0.0559	0.0030	1.75E-06	0.3708	0.0053	4.47E-08
364		0.00	0.000	0.050	0.1528	1.0552	0.0575	3.32E-05	0.3708	0.0053	4.47E-08
365	*	0.00	0.000	0.021	0.1491	1.2397	0.0676	3.91E-05	0.3709	0.0053	4.47E-08

* = Frozen (air or soil)

Annual Totals for Year 9			
	inches	cubic feet	percent
Precipitation	30.56	933,019.3	100.00
Runoff	0.961	29,346.2	3.15
Evapotranspiration	21.220	647,801.7	69.43
Drainage Collected from Layer 2	7.8817	240,614.8	25.79
Percolation/Leakage through Layer 3	0.004647	141.9	0.02
Average Head on Top of Layer 3	0.3961	---	---
Drainage Collected from Layer 5	1.9630	59,928.2	6.42
Percolation/Leakage through Layer 7	0.000017	0.5098	0.00
Average Head on Top of Layer 6	0.3796	---	---
Change in Water Storage	-1.4633	-44,672.1	-4.79
Soil Water at Start of Year	313.3817	9,567,011.0	1025.38
Soil Water at End of Year	312.0157	9,525,310.2	1020.91
Snow Water at Start of Year	0.0973	2,971.4	0.32
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 10

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*		0.00	0.000	0.000	0.1463	1.2384	0.0675	3.90E-05	0.3709	0.0053	4.47E-08
2	*		0.14	0.000	0.015	0.1444	1.1970	0.0653	3.77E-05	0.3710	0.0053	4.47E-08
3			0.00	0.000	0.028	0.1449	1.1439	0.0624	3.60E-05	0.3710	0.0053	4.47E-08
4	*		0.00	0.000	0.026	0.1413	1.0915	0.0595	3.44E-05	0.3710	0.0053	4.47E-08
5	*		0.00	0.000	0.000	0.1390	1.0328	0.0563	3.25E-05	0.3710	0.0053	4.47E-08
6	*		0.00	0.000	0.000	0.1368	0.9686	0.0528	3.05E-05	0.3710	0.0053	4.47E-08
7	*		0.00	0.000	0.000	0.1347	0.9111	0.0497	2.86E-05	0.3710	0.0053	4.47E-08
8	*		0.19	0.000	0.011	0.1336	0.8564	0.0467	2.69E-05	0.3710	0.0053	4.47E-08
9			0.00	0.000	0.014	0.1380	0.7990	0.0436	2.51E-05	0.3709	0.0053	4.47E-08
10			0.05	0.000	0.056	0.1362	0.7527	0.0410	2.36E-05	0.3709	0.0053	4.47E-08
11			0.00	0.000	0.048	0.1328	0.6999	0.0382	2.19E-05	0.3708	0.0053	4.47E-08
12			0.26	0.000	0.040	0.1404	0.6363	0.0347	1.99E-05	0.3708	0.0053	4.47E-08
13	*		0.02	0.000	0.030	0.1384	0.5950	0.0324	1.86E-05	0.3707	0.0053	4.47E-08
14	*		0.01	0.000	0.031	0.1362	0.5413	0.0295	1.69E-05	0.3707	0.0053	4.47E-08
15	*		0.02	0.000	0.021	0.1351	0.5124	0.0279	1.60E-05	0.3706	0.0053	4.47E-08
16			0.00	0.000	0.038	0.1324	0.4893	0.0267	1.53E-05	0.3705	0.0052	4.46E-08
17	*		0.01	0.000	0.029	0.1308	0.4406	0.0240	1.38E-05	0.3705	0.0052	4.46E-08
18			0.05	0.000	0.047	0.1300	0.3794	0.0207	1.19E-05	0.3704	0.0052	4.46E-08
19	*		0.00	0.000	0.000	0.1292	0.3363	0.0183	1.05E-05	0.3703	0.0052	4.46E-08
20	*		0.00	0.000	0.000	0.1284	0.3485	0.0190	1.09E-05	0.3702	0.0052	4.46E-08
21	*		0.03	0.000	0.012	0.1284	0.3673	0.0200	1.15E-05	0.3702	0.0052	4.46E-08
22	*	*	0.00	0.000	0.003	0.1276	0.3525	0.0192	1.10E-05	0.3701	0.0052	4.46E-08
23	*	*	0.00	0.000	0.000	0.1269	0.3036	0.0165	9.48E-06	0.3700	0.0052	4.46E-08
24	*	*	0.00	0.000	0.000	0.1263	0.2614	0.0143	8.16E-06	0.3699	0.0052	4.46E-08
25	*	*	0.02	0.000	0.005	0.1258	0.2252	0.0123	7.02E-06	0.3698	0.0052	4.46E-08
26	*	*	0.00	0.000	0.002	0.1254	0.1939	0.0106	6.05E-06	0.3698	0.0052	4.46E-08
27	*	*	0.00	0.000	0.007	0.1250	0.1670	0.0091	5.21E-06	0.3697	0.0052	4.45E-08
28		*	0.00	0.000	0.006	0.1247	0.1438	0.0078	4.48E-06	0.3696	0.0052	4.45E-08
29		*	0.26	0.002	0.005	0.1348	0.1239	0.0068	3.86E-06	0.3695	0.0052	4.45E-08

30		*	0.01	0.000	0.003	0.1347	0.1067	0.0058	3.32E-06	0.3694	0.0052	4.45E-08
31		*	0.00	0.000	0.000	0.1345	0.0919	0.0050	2.86E-06	0.3694	0.0052	4.45E-08
32		*	0.00	0.000	0.000	0.1343	0.0791	0.0043	2.46E-06	0.3693	0.0052	4.45E-08
33		*	0.01	0.000	0.004	0.1344	0.0682	0.0037	2.12E-06	0.3692	0.0052	4.45E-08
34		*	0.00	0.000	0.003	0.1344	0.0587	0.0032	1.83E-06	0.3691	0.0052	4.45E-08
35		*	0.04	0.000	0.004	0.1358	0.0506	0.0028	1.57E-06	0.3691	0.0052	4.45E-08
36		*	0.05	0.000	0.004	0.1376	0.0435	0.0024	1.36E-06	0.3690	0.0052	4.45E-08
37		*	0.00	0.000	0.000	0.1375	0.0375	0.0020	1.17E-06	0.3689	0.0052	4.44E-08
38		*	0.00	0.000	0.000	0.1375	0.0323	0.0018	1.01E-06	0.3688	0.0052	4.44E-08
39		*	0.00	0.000	0.000	0.1374	0.0278	0.0015	8.70E-07	0.3688	0.0052	4.44E-08
40	*	*	0.00	0.000	0.000	0.1373	0.0240	0.0013	7.51E-07	0.3687	0.0052	4.44E-08
41		*	0.00	0.000	0.000	0.1373	0.0206	0.0011	6.49E-07	0.3686	0.0052	4.44E-08
42	*	*	0.05	0.000	0.020	0.1373	0.0178	0.0010	5.60E-07	0.3686	0.0052	4.44E-08
43	*	*	0.00	0.000	0.019	0.1372	0.0153	0.0008	4.85E-07	0.3685	0.0052	4.44E-08
44	*	*	0.00	0.000	0.010	0.1372	0.0132	0.0007	4.19E-07	0.3685	0.0052	4.44E-08
45	*	*	0.00	0.000	0.000	0.1372	0.0114	0.0006	3.63E-07	0.3684	0.0052	4.44E-08
46	*	*	0.00	0.000	0.000	0.1371	0.0098	0.0005	3.14E-07	0.3683	0.0052	4.44E-08
47	*	*	0.00	0.000	0.000	0.1371	0.0084	0.0005	2.73E-07	0.3683	0.0052	4.44E-08
48	*	*	0.02	0.000	0.004	0.1371	0.0073	0.0004	2.37E-07	0.3682	0.0052	4.44E-08
49	*	*	0.48	0.000	0.001	0.1371	0.0062	0.0003	2.06E-07	0.3682	0.0052	4.44E-08
50	*	*	0.00	0.000	0.005	0.1371	0.0054	0.0003	1.79E-07	0.3681	0.0052	4.44E-08
51	*	*	0.00	0.000	0.022	0.1371	0.0046	0.0003	1.56E-07	0.3681	0.0052	4.43E-08
52	*	*	0.00	0.000	0.027	0.1371	0.0040	0.0002	1.36E-07	0.3680	0.0052	4.43E-08
53		*	0.00	0.058	0.000	0.1530	0.0034	0.0002	1.19E-07	0.3680	0.0052	4.43E-08
54	*	*	0.00	0.000	0.000	0.1530	0.0030	0.0002	1.05E-07	0.3679	0.0052	4.43E-08
55		*	0.02	0.000	0.004	0.1538	0.0025	0.0001	9.21E-08	0.3679	0.0052	4.43E-08
56		*	0.11	0.000	0.004	0.1582	0.0022	0.0001	8.12E-08	0.3678	0.0052	4.43E-08
57		*	0.00	0.000	0.000	0.1582	0.0019	0.0001	7.17E-08	0.3678	0.0052	4.43E-08
58		*	0.00	0.000	0.000	0.1582	0.0016	0.0001	6.37E-08	0.3677	0.0052	4.43E-08
59		*	0.13	0.000	0.004	0.1636	0.0014	0.0001	5.67E-08	0.3677	0.0052	4.43E-08
60	*	*	0.01	0.000	0.006	0.1636	0.0012	0.0001	5.07E-08	0.3676	0.0052	4.43E-08
61	*	*	0.15	0.000	0.025	0.1636	0.0010	0.0001	4.56E-08	0.3676	0.0052	4.43E-08
62	*	*	0.10	0.000	0.006	0.1636	0.0009	0.0000	4.11E-08	0.3676	0.0052	4.43E-08
63	*	*	0.10	0.000	0.002	0.1636	0.0008	0.0000	3.73E-08	0.3675	0.0052	4.43E-08
64	*	*	0.00	0.000	0.004	0.1635	0.0007	0.0000	3.40E-08	0.3675	0.0052	4.43E-08
65	*	*	0.00	0.000	0.000	0.1635	0.0006	0.0000	3.12E-08	0.3674	0.0052	4.43E-08
66	*	*	0.14	0.000	0.007	0.1635	0.0005	0.0000	2.88E-08	0.3674	0.0052	4.43E-08

67	*	*	0.20	0.000	0.000	0.1635	0.0004	0.0000	2.67E-08	0.3673	0.0052	4.43E-08
68	*	*	0.00	0.000	0.024	0.1635	0.0004	0.0000	2.48E-08	0.3673	0.0052	4.43E-08
69	*	*	0.00	0.000	0.008	0.1635	0.0003	0.0000	2.33E-08	0.3673	0.0052	4.42E-08
70	*	*	0.00	0.000	0.009	0.1635	0.0003	0.0000	2.19E-08	0.3672	0.0052	4.42E-08
71	*	*	0.00	0.000	0.014	0.1635	0.0002	0.0000	2.08E-08	0.3672	0.0052	4.42E-08
72	*	*	0.00	0.000	0.016	0.1635	0.0002	0.0000	1.98E-08	0.3671	0.0052	4.42E-08
73	*	*	0.00	0.000	0.017	0.1635	0.0002	0.0000	1.89E-08	0.3671	0.0052	4.42E-08
74		*	0.00	0.163	0.023	0.1790	0.0001	0.0000	1.82E-08	0.3671	0.0052	4.42E-08
75	*	*	0.00	0.000	0.000	0.1790	0.0001	0.0000	1.76E-08	0.3670	0.0052	4.42E-08
76	*	*	0.02	0.000	0.017	0.1790	0.0001	0.0000	1.70E-08	0.3670	0.0052	4.42E-08
77	*	*	0.00	0.000	0.000	0.1790	0.0001	0.0000	1.65E-08	0.3669	0.0052	4.42E-08
78	*	*	0.00	0.000	0.000	0.1790	0.0001	0.0000	1.61E-08	0.3669	0.0052	4.42E-08
79	*	*	0.00	0.000	0.000	0.1790	0.0001	0.0000	1.58E-08	0.3669	0.0052	4.42E-08
80	*	*	0.00	0.000	0.000	0.1790	0.0001	0.0000	1.55E-08	0.3668	0.0052	4.42E-08
81	*	*	0.00	0.000	0.001	0.1790	0.0001	0.0000	1.52E-08	0.3668	0.0052	4.42E-08
82		*	0.54	0.186	0.003	0.1937	0.0000	0.0000	1.50E-08	0.3668	0.0052	4.42E-08
83	*	*	0.00	0.000	0.000	0.1937	0.0000	0.0000	1.48E-08	0.3667	0.0052	4.42E-08
84		*	0.06	0.000	0.003	0.1961	0.0000	0.0000	1.46E-08	0.3667	0.0052	4.42E-08
85		*	0.00	0.000	0.000	0.1961	0.0000	0.0000	1.45E-08	0.3666	0.0052	4.42E-08
86	*	*	0.00	0.000	0.000	0.1961	0.0000	0.0000	1.44E-08	0.3666	0.0052	4.42E-08
87	*	*	0.00	0.000	0.000	0.1961	0.0000	0.0000	1.43E-08	0.3666	0.0052	4.42E-08
88	*	*	0.01	0.000	0.005	0.1961	0.0000	0.0000	1.42E-08	0.3665	0.0052	4.42E-08
89	*	*	0.00	0.000	0.000	0.1961	0.0000	0.0000	1.41E-08	0.3665	0.0052	4.42E-08
90		*	0.00	0.000	0.000	0.1961	0.0000	0.0000	1.40E-08	0.3665	0.0052	4.41E-08
91		*	0.00	0.000	0.000	0.1961	0.0000	0.0000	1.40E-08	0.3664	0.0052	4.41E-08
92		*	0.00	0.000	0.000	0.1961	0.0000	0.0000	1.39E-08	0.3664	0.0052	4.41E-08
93		*	0.00	0.000	0.002	0.1961	0.0000	0.0000	1.39E-08	0.3663	0.0052	4.41E-08
94		*	0.09	0.000	0.003	0.1997	0.0000	0.0000	1.38E-08	0.3663	0.0052	4.41E-08
95		*	0.03	0.000	0.003	0.2006	0.0000	0.0000	1.38E-08	0.3663	0.0052	4.41E-08
96		*	0.00	0.000	0.000	0.2006	0.0000	0.0000	1.38E-08	0.3662	0.0052	4.41E-08
97		*	0.21	0.027	0.003	0.2082	0.0000	0.0000	1.37E-08	0.3662	0.0052	4.41E-08
98		*	0.17	0.016	0.003	0.2145	0.0000	0.0000	1.37E-08	0.3661	0.0052	4.41E-08
99	*	*	0.02	0.000	0.015	0.2145	0.0000	0.0000	1.37E-08	0.3661	0.0052	4.41E-08
100	*	*	0.11	0.000	0.009	0.2145	0.0000	0.0000	1.37E-08	0.3661	0.0052	4.41E-08
101	*	*	0.00	0.000	0.057	0.2145	0.0000	0.0000	1.37E-08	0.3660	0.0052	4.41E-08
102		*	0.00	0.000	0.047	0.2145	0.0000	0.0000	1.37E-08	0.3660	0.0052	4.41E-08
103		*	0.26	0.064	0.003	0.2226	0.0000	0.0000	1.37E-08	0.3660	0.0052	4.41E-08

104		*	0.47	0.220	0.003	0.2328	0.0000	0.0000	1.37E-08	0.3659	0.0052	4.41E-08
105		*	0.04	0.000	0.003	0.2342	0.0000	0.0000	1.36E-08	0.3659	0.0052	4.41E-08
106		*	0.00	0.000	0.000	0.2342	0.0000	0.0000	1.36E-08	0.3658	0.0052	4.41E-08
107		*	0.55	0.308	0.003	0.2441	0.0000	0.0000	1.36E-08	0.3658	0.0052	4.41E-08
108		*	0.00	0.000	0.000	0.2441	0.0000	0.0000	1.36E-08	0.3658	0.0052	4.41E-08
109		*	0.00	0.000	0.000	0.2441	0.0000	0.0000	1.36E-08	0.3657	0.0052	4.41E-08
110			0.14	0.000	0.310	0.2278	3.9903	0.2175	1.32E-04	0.3658	0.0052	4.41E-08
111			0.00	0.000	0.286	0.2003	6.8291	0.3723	2.25E-04	0.3662	0.0052	4.41E-08
112			0.00	0.000	0.407	0.1694	6.1499	0.3352	2.02E-04	0.3667	0.0052	4.42E-08
113			0.19	0.000	0.107	0.1606	5.4028	0.2945	1.76E-04	0.3670	0.0052	4.42E-08
114	*		0.01	0.000	0.068	0.1489	4.1700	0.2273	1.35E-04	0.3672	0.0052	4.42E-08
115	*		0.00	0.000	0.041	0.1390	3.6068	0.1966	1.16E-04	0.3674	0.0052	4.43E-08
116			0.09	0.000	0.038	0.1339	3.2494	0.1771	1.04E-04	0.3674	0.0052	4.43E-08
117	*		0.30	0.000	0.045	0.1282	2.8843	0.1572	9.22E-05	0.3674	0.0052	4.43E-08
118			0.58	0.000	0.000	0.1563	2.5538	0.1392	8.14E-05	0.3674	0.0052	4.43E-08
119			0.00	0.000	0.163	0.1444	2.2695	0.1237	7.22E-05	0.3673	0.0052	4.43E-08
120			0.21	0.000	0.286	0.1368	1.9958	0.1088	6.33E-05	0.3672	0.0052	4.42E-08
121			0.00	0.000	0.234	0.1230	1.7566	0.0958	5.56E-05	0.3671	0.0052	4.42E-08
122			0.12	0.000	0.201	0.1162	1.5488	0.0844	4.90E-05	0.3670	0.0052	4.42E-08
123			0.26	0.000	0.080	0.1204	1.3729	0.0748	4.33E-05	0.3668	0.0052	4.42E-08
124			0.00	0.000	0.071	0.1147	1.2197	0.0665	3.84E-05	0.3667	0.0052	4.42E-08
125	*		0.00	0.000	0.000	0.1122	1.0844	0.0591	3.41E-05	0.3665	0.0052	4.42E-08
126			0.00	0.000	0.142	0.1041	0.9547	0.0520	3.00E-05	0.3663	0.0052	4.41E-08
127	*		0.00	0.000	0.000	0.1022	0.8398	0.0458	2.64E-05	0.3661	0.0052	4.41E-08
128			0.00	0.000	0.130	0.0951	0.7429	0.0405	2.33E-05	0.3659	0.0052	4.41E-08
129			0.94	0.000	0.056	0.1303	0.6533	0.0356	2.05E-05	0.3657	0.0052	4.41E-08
130			0.65	0.000	0.195	0.1479	0.5750	0.0313	1.80E-05	0.3655	0.0052	4.40E-08
131			0.03	0.000	0.249	0.1376	0.5081	0.0277	1.59E-05	0.3654	0.0052	4.40E-08
132			0.54	0.000	0.272	0.1479	0.4700	0.0256	1.47E-05	0.3652	0.0052	4.40E-08
133			0.00	0.000	0.376	0.1312	0.4241	0.0231	1.33E-05	0.3650	0.0052	4.40E-08
134			0.13	0.000	0.182	0.1284	0.3740	0.0204	1.17E-05	0.3648	0.0052	4.39E-08
135			0.00	0.000	0.152	0.1211	0.4107	0.0224	1.28E-05	0.3646	0.0052	4.39E-08
136			0.08	0.000	0.133	0.1180	0.3966	0.0216	1.24E-05	0.3645	0.0052	4.39E-08
137			0.00	0.000	0.055	0.1149	0.3863	0.0211	1.21E-05	0.3643	0.0052	4.39E-08
138			0.00	0.000	0.042	0.1123	0.3759	0.0205	1.17E-05	0.3642	0.0052	4.39E-08
139			0.00	0.000	0.035	0.1100	0.3617	0.0197	1.13E-05	0.3640	0.0052	4.39E-08
140			0.03	0.000	0.034	0.1090	0.3652	0.0199	1.14E-05	0.3639	0.0052	4.38E-08

141	0.08	0.000	0.032	0.1101	0.3836	0.0209	1.20E-05	0.3637	0.0052	4.38E-08
142	0.06	0.000	0.029	0.1103	0.3970	0.0216	1.24E-05	0.3636	0.0052	4.38E-08
143	0.02	0.000	0.028	0.1091	0.3975	0.0217	1.24E-05	0.3635	0.0051	4.38E-08
144	0.01	0.000	0.028	0.1075	0.3885	0.0212	1.21E-05	0.3634	0.0051	4.38E-08
145	0.08	0.000	0.027	0.1090	0.3741	0.0204	1.17E-05	0.3633	0.0051	4.38E-08
146	0.00	0.000	0.024	0.1072	0.3560	0.0194	1.11E-05	0.3631	0.0051	4.37E-08
147	0.00	0.000	0.021	0.1055	0.3391	0.0185	1.06E-05	0.3630	0.0051	4.37E-08
148	0.06	0.000	0.024	0.1061	0.3214	0.0175	1.00E-05	0.3629	0.0051	4.37E-08
149	0.10	0.000	0.025	0.1085	0.3022	0.0165	9.44E-06	0.3628	0.0051	4.37E-08
150	0.00	0.000	0.020	0.1070	0.2796	0.0152	8.73E-06	0.3627	0.0051	4.37E-08
151	0.00	0.000	0.019	0.1057	0.2564	0.0140	8.00E-06	0.3626	0.0051	4.37E-08
152	0.00	0.000	0.018	0.1044	0.2399	0.0131	7.48E-06	0.3625	0.0051	4.37E-08
153	0.00	0.000	0.018	0.1031	0.2254	0.0123	7.03E-06	0.3624	0.0051	4.37E-08
154	0.30	0.000	0.023	0.1141	0.2130	0.0116	6.64E-06	0.3624	0.0051	4.37E-08
155	0.18	0.000	0.250	0.1107	0.2112	0.0115	6.59E-06	0.3623	0.0051	4.36E-08
156	0.35	0.000	0.241	0.1149	0.2101	0.0115	6.55E-06	0.3622	0.0051	4.36E-08
157	0.00	0.000	0.273	0.1031	0.1930	0.0105	6.02E-06	0.3621	0.0051	4.36E-08
158	0.53	0.000	0.144	0.1188	0.1691	0.0092	5.27E-06	0.3620	0.0051	4.36E-08
159	0.00	0.000	0.349	0.1039	0.1524	0.0083	4.75E-06	0.3620	0.0051	4.36E-08
160	0.55	0.000	0.130	0.1212	0.1538	0.0084	4.80E-06	0.3619	0.0051	4.36E-08
161	0.00	0.000	0.232	0.1112	0.1543	0.0084	4.81E-06	0.3618	0.0051	4.36E-08
162	0.00	0.000	0.224	0.1015	0.1503	0.0082	4.69E-06	0.3617	0.0051	4.36E-08
163	0.09	0.000	0.366	0.0896	0.1591	0.0087	4.96E-06	0.3617	0.0051	4.36E-08
164	0.00	0.000	0.144	0.0832	0.1837	0.0100	5.73E-06	0.3616	0.0051	4.36E-08
165	0.00	0.000	0.070	0.0799	0.1876	0.0102	5.85E-06	0.3616	0.0051	4.36E-08
166	0.00	0.000	0.057	0.0771	0.1815	0.0099	5.66E-06	0.3615	0.0051	4.35E-08
167	1.32	0.000	0.059	0.1295	0.1728	0.0094	5.39E-06	0.3614	0.0051	4.35E-08
168	0.00	0.000	0.365	0.1139	0.1690	0.0092	5.27E-06	0.3614	0.0051	4.35E-08
169	0.00	0.000	0.335	0.0996	0.1703	0.0093	5.31E-06	0.3613	0.0051	4.35E-08
170	0.01	0.000	0.152	0.0931	0.1644	0.0090	5.13E-06	0.3613	0.0051	4.35E-08
171	0.15	0.000	0.071	0.0961	0.1513	0.0082	4.72E-06	0.3612	0.0051	4.35E-08
172	0.21	0.000	0.070	0.1016	0.1336	0.0073	4.16E-06	0.3612	0.0051	4.35E-08
173	0.09	0.000	0.134	0.0996	0.1136	0.0062	3.54E-06	0.3612	0.0051	4.35E-08
174	0.17	0.000	0.050	0.1044	0.0971	0.0053	3.03E-06	0.3611	0.0051	4.35E-08
175	0.75	0.000	0.143	0.1294	0.0828	0.0045	2.58E-06	0.3611	0.0051	4.35E-08
176	0.00	0.000	0.254	0.1186	0.0716	0.0039	2.23E-06	0.3610	0.0051	4.35E-08
177	0.00	0.000	0.313	0.1055	0.0607	0.0033	1.89E-06	0.3610	0.0051	4.35E-08

178	0.13	0.000	0.325	0.0972	0.0517	0.0028	1.61E-06	0.3609	0.0051	4.35E-08
179	0.00	0.000	0.169	0.0900	0.0719	0.0039	2.24E-06	0.3609	0.0051	4.35E-08
180	0.00	0.000	0.095	0.0858	0.1057	0.0058	3.29E-06	0.3608	0.0051	4.35E-08
181	0.00	0.000	0.088	0.0819	0.1109	0.0060	3.46E-06	0.3608	0.0051	4.35E-08
182	0.36	0.000	0.066	0.0941	0.1078	0.0059	3.36E-06	0.3608	0.0051	4.35E-08
183	0.20	0.000	0.069	0.0995	0.1158	0.0063	3.61E-06	0.3607	0.0051	4.35E-08
184	0.00	0.000	0.280	0.0875	0.1218	0.0066	3.80E-06	0.3607	0.0051	4.35E-08
185	0.00	0.000	0.090	0.0835	0.1118	0.0061	3.48E-06	0.3607	0.0051	4.34E-08
186	0.00	0.000	0.071	0.0804	0.0916	0.0050	2.85E-06	0.3606	0.0051	4.34E-08
187	0.07	0.000	0.060	0.0807	0.0777	0.0042	2.42E-06	0.3606	0.0051	4.34E-08
188	0.29	0.000	0.090	0.0889	0.0715	0.0039	2.23E-06	0.3606	0.0051	4.34E-08
189	0.00	0.000	0.305	0.0760	0.0692	0.0038	2.15E-06	0.3605	0.0051	4.34E-08
190	0.00	0.000	0.084	0.0723	0.0667	0.0036	2.08E-06	0.3605	0.0051	4.34E-08
191	0.00	0.000	0.078	0.0689	0.0742	0.0040	2.31E-06	0.3605	0.0051	4.34E-08
192	0.00	0.000	0.057	0.0663	0.0801	0.0044	2.50E-06	0.3604	0.0051	4.34E-08
193	0.12	0.000	0.065	0.0684	0.0849	0.0046	2.64E-06	0.3604	0.0051	4.34E-08
194	0.00	0.000	0.052	0.0661	0.0872	0.0048	2.72E-06	0.3604	0.0051	4.34E-08
195	0.02	0.000	0.105	0.0624	0.0912	0.0050	2.84E-06	0.3604	0.0051	4.34E-08
196	0.08	0.000	0.116	0.0608	0.0804	0.0044	2.50E-06	0.3603	0.0051	4.34E-08
197	0.00	0.000	0.112	0.0559	0.0704	0.0038	2.19E-06	0.3603	0.0051	4.34E-08
198	0.07	0.000	0.067	0.0557	0.0711	0.0039	2.21E-06	0.3603	0.0051	4.34E-08
199	0.01	0.000	0.062	0.0535	0.0752	0.0041	2.34E-06	0.3603	0.0051	4.34E-08
200	0.01	0.000	0.115	0.0487	0.1378	0.0075	4.29E-06	0.3602	0.0051	4.34E-08
201	0.13	0.000	0.135	0.0480	0.2112	0.0115	6.59E-06	0.3602	0.0051	4.34E-08
202	0.05	0.000	0.139	0.0441	0.1452	0.0079	4.53E-06	0.3602	0.0051	4.34E-08
203	0.05	0.000	0.117	0.0414	0.0470	0.0026	1.46E-06	0.3602	0.0051	4.34E-08
204	0.31	0.000	0.072	0.0512	0.0054	0.0002	9.03E-08	0.3601	0.0051	4.34E-08
205	0.00	0.000	0.091	0.0474	0.0000	0.0000	0.00E+00	0.3601	0.0051	4.34E-08
206	0.11	0.000	0.200	0.0437	0.0000	0.0000	0.00E+00	0.3601	0.0051	4.34E-08
207	0.05	0.000	0.170	0.0388	0.0000	0.0000	0.00E+00	0.3600	0.0051	4.34E-08
208	0.00	0.000	0.076	0.0357	0.0000	0.0000	0.00E+00	0.3600	0.0051	4.34E-08
209	0.03	0.000	0.085	0.0334	0.0000	0.0000	0.00E+00	0.3600	0.0051	4.34E-08
210	0.03	0.000	0.042	0.0330	0.0000	0.0000	0.00E+00	0.3599	0.0051	4.34E-08
211	0.65	0.000	0.087	0.0566	0.0000	0.0000	0.00E+00	0.3599	0.0051	4.34E-08
212	0.73	0.000	0.172	0.0799	0.0000	0.0000	0.00E+00	0.3599	0.0051	4.34E-08
213	0.00	0.000	0.244	0.0697	0.0000	0.0000	0.00E+00	0.3598	0.0051	4.33E-08
214	0.00	0.000	0.298	0.0573	0.0000	0.0000	0.00E+00	0.3598	0.0051	4.33E-08

215	1.13	0.000	0.132	0.0991	0.0000	0.0000	0.00E+00	0.3598	0.0051	4.33E-08
216	0.50	0.000	0.102	0.1158	0.0000	0.0000	0.00E+00	0.3598	0.0051	4.33E-08
217	0.00	0.000	0.264	0.1048	0.0000	0.0000	0.00E+00	0.3597	0.0051	4.33E-08
218	0.03	0.000	0.286	0.0943	0.0000	0.0000	0.00E+00	0.3597	0.0051	4.33E-08
219	0.00	0.000	0.294	0.0820	0.0000	0.0000	0.00E+00	0.3597	0.0051	4.33E-08
220	0.23	0.000	0.276	0.0800	0.0000	0.0000	0.00E+00	0.3596	0.0051	4.33E-08
221	0.00	0.000	0.155	0.0736	0.0000	0.0000	0.00E+00	0.3596	0.0051	4.33E-08
222	0.00	0.000	0.219	0.0645	0.0000	0.0000	0.00E+00	0.3596	0.0051	4.33E-08
223	0.05	0.000	0.140	0.0606	0.0000	0.0000	0.00E+00	0.3596	0.0051	4.33E-08
224	0.00	0.000	0.130	0.0552	0.0000	0.0000	0.00E+00	0.3595	0.0051	4.33E-08
225	0.12	0.000	0.122	0.0552	0.0000	0.0000	0.00E+00	0.3595	0.0051	4.33E-08
226	0.00	0.000	0.094	0.0513	0.0000	0.0000	0.00E+00	0.3595	0.0051	4.33E-08
227	0.08	0.000	0.101	0.0503	0.0000	0.0000	0.00E+00	0.3594	0.0051	4.33E-08
228	0.84	0.000	0.122	0.0801	0.0000	0.0000	0.00E+00	0.3594	0.0051	4.33E-08
229	0.00	0.000	0.220	0.0711	0.0000	0.0000	0.00E+00	0.3594	0.0051	4.33E-08
230	0.00	0.000	0.148	0.0649	0.0000	0.0000	0.00E+00	0.3594	0.0051	4.33E-08
231	0.02	0.000	0.107	0.0611	0.0000	0.0000	0.00E+00	0.3593	0.0051	4.33E-08
232	0.04	0.000	0.249	0.0524	0.0000	0.0000	0.00E+00	0.3593	0.0051	4.33E-08
233	0.15	0.000	0.100	0.0547	0.0000	0.0000	0.00E+00	0.3593	0.0051	4.33E-08
234	0.50	0.000	0.196	0.0674	0.0000	0.0000	0.00E+00	0.3592	0.0051	4.33E-08
235	0.00	0.000	0.193	0.0594	0.0000	0.0000	0.00E+00	0.3592	0.0051	4.33E-08
236	0.03	0.000	0.191	0.0526	0.0000	0.0000	0.00E+00	0.3592	0.0051	4.33E-08
237	0.00	0.000	0.111	0.0480	0.0000	0.0000	0.00E+00	0.3592	0.0051	4.33E-08
238	0.04	0.000	0.179	0.0421	0.0000	0.0000	0.00E+00	0.3591	0.0051	4.33E-08
239	0.43	0.000	0.103	0.0558	0.0000	0.0000	0.00E+00	0.3591	0.0051	4.33E-08
240	0.00	0.000	0.130	0.0504	0.0000	0.0000	0.00E+00	0.3591	0.0051	4.33E-08
241	0.00	0.000	0.097	0.0463	0.0000	0.0000	0.00E+00	0.3590	0.0051	4.33E-08
242	0.00	0.000	0.145	0.0403	0.0000	0.0000	0.00E+00	0.3590	0.0051	4.32E-08
243	0.01	0.000	0.066	0.0379	0.0000	0.0000	0.00E+00	0.3590	0.0051	4.32E-08
244	0.01	0.000	0.039	0.0369	0.0000	0.0000	0.00E+00	0.3590	0.0051	4.32E-08
245	0.00	0.000	0.058	0.0345	0.0000	0.0000	0.00E+00	0.3589	0.0051	4.32E-08
246	0.52	0.000	0.065	0.0534	0.0000	0.0000	0.00E+00	0.3589	0.0051	4.32E-08
247	0.15	0.000	0.073	0.0564	0.0000	0.0000	0.00E+00	0.3589	0.0051	4.32E-08
248	0.00	0.000	0.112	0.0518	0.0000	0.0000	0.00E+00	0.3588	0.0051	4.32E-08
249	0.00	0.000	0.172	0.0446	0.0000	0.0000	0.00E+00	0.3588	0.0051	4.32E-08
250	0.00	0.000	0.161	0.0379	0.0000	0.0000	0.00E+00	0.3588	0.0051	4.32E-08
251	0.01	0.000	0.095	0.0344	0.0000	0.0000	0.00E+00	0.3587	0.0051	4.32E-08

252		0.00	0.000	0.037	0.0329	0.0000	0.0000	0.00E+00	0.3587	0.0051	4.32E-08
253		0.36	0.000	0.093	0.0440	0.0000	0.0000	0.00E+00	0.3587	0.0051	4.32E-08
254		0.27	0.000	0.136	0.0498	0.0000	0.0000	0.00E+00	0.3586	0.0051	4.32E-08
255		0.00	0.000	0.128	0.0444	0.0000	0.0000	0.00E+00	0.3586	0.0051	4.32E-08
256		0.00	0.000	0.134	0.0388	0.0000	0.0000	0.00E+00	0.3586	0.0051	4.32E-08
257		0.00	0.000	0.058	0.0366	0.0000	0.0000	0.00E+00	0.3585	0.0051	4.32E-08
258		0.00	0.000	0.064	0.0339	0.0000	0.0000	0.00E+00	0.3585	0.0051	4.32E-08
259		0.00	0.000	0.014	0.0334	0.0000	0.0000	0.00E+00	0.3585	0.0051	4.32E-08
260		0.00	0.000	0.000	0.0334	0.0000	0.0000	0.00E+00	0.3584	0.0051	4.32E-08
261		0.00	0.000	0.001	0.0333	0.0000	0.0000	0.00E+00	0.3584	0.0051	4.32E-08
262		0.15	0.000	0.027	0.0385	0.0000	0.0000	0.00E+00	0.3584	0.0051	4.32E-08
263		0.03	0.000	0.042	0.0378	0.0000	0.0000	0.00E+00	0.3583	0.0051	4.32E-08
264		0.03	0.000	0.036	0.0375	0.0000	0.0000	0.00E+00	0.3583	0.0051	4.32E-08
265	*	0.00	0.000	0.000	0.0375	0.0000	0.0000	0.00E+00	0.3583	0.0051	4.32E-08
266		0.00	0.000	0.031	0.0363	0.0000	0.0000	0.00E+00	0.3582	0.0051	4.32E-08
267		0.00	0.000	0.027	0.0351	0.0000	0.0000	0.00E+00	0.3582	0.0051	4.31E-08
268		0.00	0.000	0.023	0.0342	0.0000	0.0000	0.00E+00	0.3582	0.0051	4.31E-08
269		0.00	0.000	0.004	0.0340	0.0000	0.0000	0.00E+00	0.3581	0.0051	4.31E-08
270		0.00	0.000	0.013	0.0335	0.0000	0.0000	0.00E+00	0.3581	0.0051	4.31E-08
271		0.00	0.000	0.013	0.0329	0.0000	0.0000	0.00E+00	0.3581	0.0051	4.31E-08
272		0.00	0.000	0.000	0.0329	0.0000	0.0000	0.00E+00	0.3580	0.0051	4.31E-08
273		0.00	0.000	0.000	0.0329	0.0000	0.0000	0.00E+00	0.3580	0.0051	4.31E-08
274		0.00	0.000	0.004	0.0329	0.0000	0.0000	0.00E+00	0.3580	0.0051	4.31E-08
275		0.04	0.000	0.016	0.0340	0.0000	0.0000	0.00E+00	0.3579	0.0051	4.31E-08
276		0.01	0.000	0.019	0.0337	0.0000	0.0000	0.00E+00	0.3579	0.0051	4.31E-08
277		0.00	0.000	0.005	0.0335	0.0000	0.0000	0.00E+00	0.3579	0.0051	4.31E-08
278		0.00	0.000	0.002	0.0334	0.0000	0.0000	0.00E+00	0.3578	0.0051	4.31E-08
279		0.00	0.000	0.002	0.0333	0.0000	0.0000	0.00E+00	0.3578	0.0051	4.31E-08
280		0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.3577	0.0051	4.31E-08
281		0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.3577	0.0051	4.31E-08
282		0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.3577	0.0051	4.31E-08
283		0.01	0.000	0.006	0.0333	0.0000	0.0000	0.00E+00	0.3576	0.0051	4.31E-08
284		0.03	0.000	0.014	0.0341	0.0000	0.0000	0.00E+00	0.3576	0.0051	4.31E-08
285		0.20	0.000	0.025	0.0411	0.0000	0.0000	0.00E+00	0.3576	0.0051	4.31E-08
286		0.01	0.000	0.054	0.0393	0.0000	0.0000	0.00E+00	0.3575	0.0051	4.31E-08
287		0.02	0.000	0.086	0.0364	0.0000	0.0000	0.00E+00	0.3575	0.0051	4.31E-08
288		0.00	0.000	0.036	0.0349	0.0000	0.0000	0.00E+00	0.3574	0.0051	4.31E-08

289			0.00	0.000	0.006	0.0346	0.0000	0.0000	0.00E+00	0.3574	0.0051	4.31E-08
290	*		0.00	0.000	0.000	0.0346	0.0000	0.0000	0.00E+00	0.3574	0.0051	4.30E-08
291			0.00	0.000	0.000	0.0346	0.0000	0.0000	0.00E+00	0.3573	0.0051	4.30E-08
292			0.01	0.000	0.012	0.0347	0.0000	0.0000	0.00E+00	0.3573	0.0051	4.30E-08
293	*		0.00	0.000	0.002	0.0347	0.0000	0.0000	0.00E+00	0.3572	0.0051	4.30E-08
294			0.06	0.000	0.015	0.0366	0.0000	0.0000	0.00E+00	0.3572	0.0051	4.30E-08
295			0.36	0.000	0.070	0.0488	0.0000	0.0000	0.00E+00	0.3572	0.0051	4.30E-08
296			0.16	0.000	0.060	0.0529	0.0000	0.0000	0.00E+00	0.3571	0.0051	4.30E-08
297			0.00	0.000	0.104	0.0486	0.0000	0.0000	0.00E+00	0.3571	0.0051	4.30E-08
298			0.00	0.000	0.070	0.0457	0.0000	0.0000	0.00E+00	0.3570	0.0051	4.30E-08
299	*		0.00	0.000	0.000	0.0457	0.0000	0.0000	0.00E+00	0.3570	0.0051	4.30E-08
300	*		0.00	0.000	0.000	0.0457	0.0000	0.0000	0.00E+00	0.3570	0.0051	4.30E-08
301			0.00	0.000	0.030	0.0444	0.0000	0.0000	0.00E+00	0.3569	0.0051	4.30E-08
302	*		0.00	0.000	0.021	0.0435	0.0000	0.0000	0.00E+00	0.3569	0.0051	4.30E-08
303	*		0.31	0.000	0.009	0.0444	0.0000	0.0000	0.00E+00	0.3568	0.0051	4.30E-08
304			0.17	0.000	0.000	0.0633	0.0000	0.0000	0.00E+00	0.3568	0.0051	4.30E-08
305			0.37	0.000	0.048	0.0766	0.0000	0.0000	0.00E+00	0.3568	0.0051	4.30E-08
306			0.00	0.000	0.026	0.0755	0.0000	0.0000	0.00E+00	0.3567	0.0051	4.30E-08
307	*		0.00	0.000	0.000	0.0755	0.0000	0.0000	0.00E+00	0.3567	0.0051	4.30E-08
308	*		0.00	0.000	0.000	0.0755	0.0000	0.0000	0.00E+00	0.3566	0.0051	4.30E-08
309			0.00	0.000	0.043	0.0738	0.0000	0.0000	0.00E+00	0.3566	0.0051	4.30E-08
310			0.00	0.000	0.047	0.0718	0.0000	0.0000	0.00E+00	0.3566	0.0051	4.29E-08
311	*		0.00	0.000	0.000	0.0718	0.0000	0.0000	0.00E+00	0.3565	0.0051	4.29E-08
312	*		0.00	0.000	0.000	0.0718	0.0000	0.0000	0.00E+00	0.3565	0.0051	4.29E-08
313	*		0.00	0.000	0.000	0.0718	0.0000	0.0000	0.00E+00	0.3564	0.0050	4.29E-08
314	*		0.02	0.000	0.027	0.0713	0.0000	0.0000	0.00E+00	0.3564	0.0050	4.29E-08
315	*		0.00	0.000	0.000	0.0713	0.0000	0.0000	0.00E+00	0.3564	0.0050	4.29E-08
316	*		0.00	0.000	0.000	0.0713	0.0000	0.0000	0.00E+00	0.3563	0.0050	4.29E-08
317	*		0.00	0.000	0.000	0.0713	0.0000	0.0000	0.00E+00	0.3563	0.0050	4.29E-08
318			0.00	0.000	0.023	0.0703	0.0000	0.0000	0.00E+00	0.3562	0.0050	4.29E-08
319	*		0.39	0.000	0.022	0.0712	0.0000	0.0000	0.00E+00	0.3562	0.0050	4.29E-08
320	*		0.50	0.000	0.000	0.0720	0.0000	0.0000	0.00E+00	0.3561	0.0050	4.29E-08
321	*	*	0.02	0.000	0.007	0.0720	0.0000	0.0000	0.00E+00	0.3561	0.0050	4.29E-08
322	*	*	0.27	0.000	0.014	0.0720	0.0000	0.0000	0.00E+00	0.3561	0.0050	4.29E-08
323		*	0.00	0.365	0.000	0.1023	0.0000	0.0000	0.00E+00	0.3560	0.0050	4.29E-08
324		*	0.05	0.000	0.008	0.1040	0.0000	0.0000	0.00E+00	0.3560	0.0050	4.29E-08
325		*	0.28	0.012	0.008	0.1149	0.0000	0.0000	0.00E+00	0.3559	0.0050	4.29E-08

326	*	*	0.00	0.000	0.001	0.1149	0.0000	0.0000	0.00E+00	0.3559	0.0050	4.29E-08
327		*	0.14	0.000	0.008	0.1203	0.0000	0.0000	0.00E+00	0.3559	0.0050	4.29E-08
328		*	0.08	0.000	0.008	0.1235	0.0000	0.0000	0.00E+00	0.3558	0.0050	4.29E-08
329		*	0.00	0.000	0.000	0.1235	0.0000	0.0000	0.00E+00	0.3558	0.0050	4.29E-08
330	*	*	0.00	0.000	0.000	0.1235	0.0000	0.0000	0.00E+00	0.3557	0.0050	4.28E-08
331	*	*	0.00	0.000	0.000	0.1235	0.0000	0.0000	0.00E+00	0.3557	0.0050	4.28E-08
332	*	*	0.09	0.000	0.005	0.1235	0.0000	0.0000	0.00E+00	0.3556	0.0050	4.28E-08
333	*	*	0.24	0.000	0.000	0.1235	0.0000	0.0000	0.00E+00	0.3556	0.0050	4.28E-08
334	*	*	0.00	0.000	0.007	0.1235	0.0000	0.0000	0.00E+00	0.3556	0.0050	4.28E-08
335		*	0.00	0.000	0.010	0.1287	0.0000	0.0000	0.00E+00	0.3555	0.0050	4.28E-08
336	*	*	0.00	0.000	0.019	0.1287	0.0000	0.0000	0.00E+00	0.3555	0.0050	4.28E-08
337		*	0.00	0.001	0.024	0.1345	0.0000	0.0000	0.00E+00	0.3554	0.0050	4.28E-08
338		*	0.01	0.000	0.005	0.1346	0.0000	0.0000	0.00E+00	0.3554	0.0050	4.28E-08
339		*	0.03	0.000	0.007	0.1355	0.0000	0.0000	0.00E+00	0.3553	0.0050	4.28E-08
340		*	0.05	0.000	0.007	0.1374	0.0000	0.0000	0.00E+00	0.3553	0.0050	4.28E-08
341		*	0.00	0.000	0.000	0.1374	0.0000	0.0000	0.00E+00	0.3553	0.0050	4.28E-08
342		*	0.06	0.000	0.007	0.1396	0.0000	0.0000	0.00E+00	0.3552	0.0050	4.28E-08
343		*	0.00	0.000	0.000	0.1396	0.0000	0.0000	0.00E+00	0.3552	0.0050	4.28E-08
344		*	0.00	0.000	0.000	0.1396	0.0000	0.0000	0.00E+00	0.3551	0.0050	4.28E-08
345	*	*	0.00	0.000	0.000	0.1396	0.0000	0.0000	0.00E+00	0.3551	0.0050	4.28E-08
346		*	0.16	0.003	0.006	0.1460	0.0000	0.0000	0.00E+00	0.3550	0.0050	4.28E-08
347	*	*	0.01	0.000	0.005	0.1460	0.0000	0.0000	0.00E+00	0.3550	0.0050	4.28E-08
348	*	*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3550	0.0050	4.28E-08
349	*	*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3549	0.0050	4.27E-08
350	*	*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3549	0.0050	4.27E-08
351	*	*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3548	0.0050	4.27E-08
352	*	*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3548	0.0050	4.27E-08
353		*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3547	0.0050	4.27E-08
354		*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3547	0.0050	4.27E-08
355		*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3546	0.0050	4.27E-08
356		*	0.00	0.000	0.000	0.1460	0.0000	0.0000	0.00E+00	0.3546	0.0050	4.27E-08
357	*	*	0.15	0.000	0.024	0.1460	0.0000	0.0000	0.00E+00	0.3546	0.0050	4.27E-08
358		*	0.00	0.000	0.024	0.1503	0.0000	0.0000	0.00E+00	0.3545	0.0050	4.27E-08
359		*	0.00	0.000	0.000	0.1503	0.0000	0.0000	0.00E+00	0.3545	0.0050	4.27E-08
360		*	0.00	0.000	0.000	0.1503	0.0000	0.0000	0.00E+00	0.3544	0.0050	4.27E-08
361		*	0.00	0.000	0.000	0.1503	0.0000	0.0000	0.00E+00	0.3544	0.0050	4.27E-08
362		*	0.00	0.000	0.000	0.1503	0.0000	0.0000	0.00E+00	0.3543	0.0050	4.27E-08

363		*	0.00	0.000	0.002	0.1504	0.0000	0.0000	0.00E+00	0.3543	0.0050	4.27E-08
364		*	0.05	0.000	0.005	0.1524	0.0000	0.0000	0.00E+00	0.3543	0.0050	4.27E-08
365	*	*	0.08	0.000	0.012	0.1524	0.0000	0.0000	0.00E+00	0.3542	0.0050	4.27E-08

* = Frozen (air or soil)

Annual Totals for Year 10			
	inches	cubic feet	percent
Precipitation	28.38	866,356.4	100.00
Runoff	1.427	43,549.1	5.03
Evapotranspiration	22.102	674,742.4	77.88
Drainage Collected from Layer 2	4.6989	143,449.3	16.56
Percolation/Leakage through Layer 3	0.002752	84.0	0.01
Average Head on Top of Layer 3	0.2362	---	---
Drainage Collected from Layer 5	1.8722	57,155.6	6.60
Percolation/Leakage through Layer 7	0.000016	0.4860	0.00
Average Head on Top of Layer 6	0.3621	---	---
Change in Water Storage	-1.7210	-52,540.5	-6.06
Soil Water at Start of Year	312.0157	9,525,310.2	1099.47
Soil Water at End of Year	310.2262	9,470,677.0	1093.16
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0685	2,092.7	0.24
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 11

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6 | Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5 | Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.018	0.1524	0.0000	0.0000	0.00E+00	0.3542	0.0050	4.27E-08
2	*	*	0.00	0.000	0.016	0.1524	0.0000	0.0000	0.00E+00	0.3541	0.0050	4.27E-08
3	*	*	0.00	0.000	0.016	0.1524	0.0000	0.0000	0.00E+00	0.3541	0.0050	4.26E-08
4	*	*	0.00	0.000	0.014	0.1524	0.0000	0.0000	0.00E+00	0.3540	0.0050	4.26E-08
5	*	*	0.00	0.000	0.004	0.1524	0.0000	0.0000	0.00E+00	0.3540	0.0050	4.26E-08
6	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3539	0.0050	4.26E-08
7	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3539	0.0050	4.26E-08
8		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3539	0.0050	4.26E-08
9		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3538	0.0050	4.26E-08
10		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3538	0.0050	4.26E-08
11		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3537	0.0050	4.26E-08
12		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3537	0.0050	4.26E-08
13	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3536	0.0050	4.26E-08
14	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3536	0.0050	4.26E-08
15		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3535	0.0050	4.26E-08
16		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3535	0.0050	4.26E-08
17	*	*	0.05	0.000	0.012	0.1524	0.0000	0.0000	0.00E+00	0.3535	0.0050	4.26E-08
18	*	*	0.00	0.000	0.005	0.1524	0.0000	0.0000	0.00E+00	0.3534	0.0050	4.26E-08
19	*	*	0.00	0.000	0.006	0.1524	0.0000	0.0000	0.00E+00	0.3534	0.0050	4.26E-08
20	*	*	0.00	0.000	0.007	0.1524	0.0000	0.0000	0.00E+00	0.3533	0.0050	4.26E-08
21	*	*	0.00	0.000	0.011	0.1524	0.0000	0.0000	0.00E+00	0.3533	0.0050	4.26E-08
22	*	*	0.00	0.000	0.009	0.1524	0.0000	0.0000	0.00E+00	0.3532	0.0050	4.25E-08
23	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3532	0.0050	4.25E-08
24	*	*	0.02	0.000	0.006	0.1524	0.0000	0.0000	0.00E+00	0.3532	0.0050	4.25E-08
25	*	*	0.00	0.000	0.010	0.1524	0.0000	0.0000	0.00E+00	0.3531	0.0050	4.25E-08
26	*	*	0.03	0.000	0.012	0.1524	0.0000	0.0000	0.00E+00	0.3531	0.0050	4.25E-08
27		*	0.00	0.000	0.023	0.1524	0.0000	0.0000	0.00E+00	0.3530	0.0050	4.25E-08
28	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3530	0.0050	4.25E-08
29	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3529	0.0050	4.25E-08

30	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3529	0.0050	4.25E-08
31	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3528	0.0050	4.25E-08
32	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3528	0.0050	4.25E-08
33	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3528	0.0050	4.25E-08
34	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3527	0.0050	4.25E-08
35	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3527	0.0050	4.25E-08
36		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3526	0.0050	4.25E-08
37		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3526	0.0050	4.25E-08
38		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3525	0.0050	4.25E-08
39	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3525	0.0050	4.25E-08
40	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3524	0.0050	4.24E-08
41	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3524	0.0050	4.24E-08
42	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3524	0.0050	4.24E-08
43	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3523	0.0050	4.24E-08
44		*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3523	0.0050	4.24E-08
45	*	*	0.01	0.000	0.011	0.1524	0.0000	0.0000	0.00E+00	0.3522	0.0050	4.24E-08
46	*	*	0.00	0.000	0.000	0.1524	0.0000	0.0000	0.00E+00	0.3522	0.0050	4.24E-08
47		*	0.10	0.000	0.004	0.1566	0.0000	0.0000	0.00E+00	0.3521	0.0050	4.24E-08
48		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3521	0.0050	4.24E-08
49		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3520	0.0050	4.24E-08
50		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3520	0.0050	4.24E-08
51		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3520	0.0050	4.24E-08
52		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3519	0.0050	4.24E-08
53		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3519	0.0050	4.24E-08
54		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3518	0.0050	4.24E-08
55		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3518	0.0050	4.24E-08
56		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3517	0.0050	4.24E-08
57	*	*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3517	0.0050	4.24E-08
58		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3516	0.0050	4.24E-08
59		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3516	0.0050	4.23E-08
60	*	*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3516	0.0050	4.23E-08
61		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3515	0.0050	4.23E-08
62	*	*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3515	0.0050	4.23E-08
63		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3514	0.0050	4.23E-08
64		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3514	0.0050	4.23E-08
65		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3513	0.0050	4.23E-08
66		*	0.00	0.000	0.000	0.1566	0.0000	0.0000	0.00E+00	0.3513	0.0050	4.23E-08

67		0.04	0.000	0.101	0.1536	0.1967	0.0107	6.17E-06	0.3513	0.0050	4.23E-08
68		0.01	0.000	0.089	0.1462	1.7537	0.0956	5.55E-05	0.3513	0.0050	4.23E-08
69		0.00	0.000	0.055	0.1399	1.7758	0.0968	5.62E-05	0.3514	0.0050	4.23E-08
70		0.00	0.000	0.174	0.1289	1.6380	0.0893	5.18E-05	0.3514	0.0050	4.23E-08
71		0.00	0.000	0.066	0.1227	1.4984	0.0817	4.73E-05	0.3515	0.0050	4.23E-08
72	*	0.00	0.000	0.000	0.1197	1.3411	0.0731	4.23E-05	0.3515	0.0050	4.23E-08
73	*	0.00	0.000	0.000	0.1170	1.1787	0.0643	3.71E-05	0.3515	0.0050	4.23E-08
74		0.00	0.000	0.105	0.1103	1.0483	0.0571	3.30E-05	0.3515	0.0050	4.23E-08
75		0.00	0.000	0.101	0.1040	0.9745	0.0531	3.06E-05	0.3515	0.0050	4.23E-08
76		0.00	0.000	0.130	0.0966	0.8841	0.0482	2.78E-05	0.3515	0.0050	4.23E-08
77	*	0.03	0.000	0.080	0.0926	0.8054	0.0439	2.53E-05	0.3514	0.0050	4.23E-08
78	*	0.00	0.000	0.000	0.0909	0.7294	0.0398	2.29E-05	0.3514	0.0050	4.23E-08
79	*	0.00	0.000	0.041	0.0877	0.6841	0.0373	2.14E-05	0.3513	0.0050	4.23E-08
80	*	0.00	0.000	0.000	0.0862	0.6313	0.0344	1.98E-05	0.3513	0.0050	4.23E-08
81		0.00	0.000	0.035	0.0835	0.5736	0.0313	1.80E-05	0.3512	0.0050	4.23E-08
82	*	0.00	0.000	0.031	0.0810	0.5350	0.0292	1.67E-05	0.3511	0.0050	4.23E-08
83		0.02	0.000	0.031	0.0793	0.5127	0.0279	1.60E-05	0.3510	0.0050	4.23E-08
84		0.00	0.000	0.025	0.0771	0.4948	0.0270	1.55E-05	0.3510	0.0050	4.23E-08
85		0.14	0.000	0.027	0.0808	0.4719	0.0257	1.48E-05	0.3509	0.0050	4.23E-08
86		0.12	0.000	0.026	0.0836	0.4334	0.0236	1.36E-05	0.3508	0.0050	4.23E-08
87		0.00	0.000	0.021	0.0818	0.3999	0.0218	1.25E-05	0.3507	0.0050	4.22E-08
88		0.00	0.000	0.020	0.0801	0.3763	0.0205	1.18E-05	0.3506	0.0050	4.22E-08
89		0.89	0.000	0.022	0.1156	0.3484	0.0190	1.09E-05	0.3506	0.0050	4.22E-08
90		0.00	0.000	0.131	0.1094	0.3160	0.0172	9.87E-06	0.3505	0.0050	4.22E-08
91	*	0.09	0.000	0.047	0.1096	0.2915	0.0159	9.10E-06	0.3504	0.0050	4.22E-08
92	*	0.66	0.000	0.000	0.1098	0.2780	0.0152	8.68E-06	0.3503	0.0050	4.22E-08
93	*	0.04	0.000	0.016	0.1100	0.2620	0.0143	8.18E-06	0.3502	0.0050	4.22E-08
94		0.00	0.000	0.000	0.1371	0.2451	0.0134	7.65E-06	0.3501	0.0050	4.22E-08
95		0.39	0.000	0.120	0.1479	0.2248	0.0123	7.01E-06	0.3501	0.0050	4.22E-08
96		0.00	0.000	0.182	0.1398	0.2168	0.0118	6.76E-06	0.3500	0.0050	4.21E-08
97		0.00	0.000	0.188	0.1315	0.1963	0.0107	6.12E-06	0.3499	0.0050	4.21E-08
98		0.00	0.000	0.093	0.1272	0.2098	0.0114	6.54E-06	0.3498	0.0050	4.21E-08
99	*	0.00	0.000	0.000	0.1264	0.3391	0.0185	1.06E-05	0.3497	0.0050	4.21E-08
100	*	0.00	0.000	0.000	0.1254	0.4274	0.0233	1.34E-05	0.3497	0.0050	4.21E-08
101	*	0.00	0.000	0.000	0.1243	0.5126	0.0279	1.60E-05	0.3496	0.0050	4.21E-08
102	*	0.00	0.000	0.000	0.1230	0.5652	0.0308	1.77E-05	0.3496	0.0050	4.21E-08
103		0.68	0.000	0.175	0.1427	0.5849	0.0319	1.83E-05	0.3495	0.0050	4.21E-08

104		0.34	0.000	0.270	0.1442	0.6018	0.0328	1.89E-05	0.3495	0.0050	4.21E-08
105		0.00	0.000	0.251	0.1326	0.6039	0.0329	1.89E-05	0.3494	0.0050	4.21E-08
106		0.05	0.000	0.251	0.1230	0.5669	0.0309	1.78E-05	0.3494	0.0049	4.21E-08
107		0.24	0.000	0.091	0.1279	0.5547	0.0302	1.74E-05	0.3493	0.0049	4.21E-08
108		0.05	0.000	0.120	0.1236	0.5429	0.0296	1.70E-05	0.3493	0.0049	4.21E-08
109	*	0.00	0.000	0.000	0.1224	0.5094	0.0278	1.59E-05	0.3492	0.0049	4.21E-08
110		0.00	0.000	0.139	0.1156	0.4661	0.0254	1.46E-05	0.3492	0.0049	4.20E-08
111		0.00	0.000	0.217	0.1056	0.4082	0.0223	1.28E-05	0.3491	0.0049	4.20E-08
112	*	0.00	0.000	0.096	0.1008	0.3595	0.0196	1.12E-05	0.3490	0.0049	4.20E-08
113		0.00	0.000	0.054	0.0977	0.3491	0.0190	1.09E-05	0.3490	0.0049	4.20E-08
114		0.00	0.000	0.041	0.0953	0.3347	0.0182	1.05E-05	0.3489	0.0049	4.20E-08
115		0.00	0.000	0.035	0.0931	0.3049	0.0166	9.52E-06	0.3488	0.0049	4.20E-08
116		0.00	0.000	0.031	0.0912	0.2736	0.0149	8.54E-06	0.3488	0.0049	4.20E-08
117		0.00	0.000	0.028	0.0895	0.2475	0.0135	7.72E-06	0.3487	0.0049	4.20E-08
118		0.00	0.000	0.025	0.0879	0.2279	0.0124	7.11E-06	0.3486	0.0049	4.20E-08
119		0.00	0.000	0.024	0.0865	0.2137	0.0116	6.67E-06	0.3485	0.0049	4.20E-08
120		0.03	0.000	0.025	0.0861	0.2034	0.0111	6.34E-06	0.3485	0.0049	4.20E-08
121		0.14	0.000	0.024	0.0905	0.1956	0.0107	6.10E-06	0.3484	0.0049	4.20E-08
122		0.10	0.000	0.023	0.0934	0.1893	0.0103	5.90E-06	0.3483	0.0049	4.19E-08
123	*	0.82	0.000	0.029	0.0938	0.1826	0.0100	5.69E-06	0.3483	0.0049	4.19E-08
124		0.19	0.000	0.000	0.1334	0.1761	0.0096	5.49E-06	0.3482	0.0049	4.19E-08
125		0.00	0.000	0.321	0.1196	0.1638	0.0089	5.11E-06	0.3481	0.0049	4.19E-08
126		0.68	0.000	0.321	0.1341	0.1462	0.0080	4.56E-06	0.3481	0.0049	4.19E-08
127		0.25	0.000	0.412	0.1269	0.1625	0.0089	5.07E-06	0.3480	0.0049	4.19E-08
128		0.00	0.000	0.323	0.1131	0.1706	0.0093	5.32E-06	0.3479	0.0049	4.19E-08
129		0.00	0.000	0.294	0.1005	0.1822	0.0099	5.68E-06	0.3479	0.0049	4.19E-08
130		0.00	0.000	0.130	0.0946	0.1766	0.0096	5.51E-06	0.3478	0.0049	4.19E-08
131		0.16	0.000	0.056	0.0984	0.1895	0.0103	5.91E-06	0.3478	0.0049	4.19E-08
132		0.00	0.000	0.041	0.0963	0.1898	0.0103	5.92E-06	0.3477	0.0049	4.19E-08
133		0.24	0.000	0.037	0.1042	0.1847	0.0101	5.76E-06	0.3477	0.0049	4.19E-08
134		0.26	0.000	0.033	0.1131	0.1767	0.0096	5.51E-06	0.3476	0.0049	4.19E-08
135		0.00	0.000	0.126	0.1075	0.1689	0.0092	5.27E-06	0.3475	0.0049	4.19E-08
136		0.00	0.000	0.028	0.1059	0.1607	0.0088	5.01E-06	0.3475	0.0049	4.18E-08
137		0.00	0.000	0.026	0.1045	0.1487	0.0081	4.64E-06	0.3474	0.0049	4.18E-08
138		0.42	0.000	0.026	0.1207	0.1328	0.0072	4.14E-06	0.3474	0.0049	4.18E-08
139		0.11	0.000	0.075	0.1219	0.1209	0.0066	3.77E-06	0.3473	0.0049	4.18E-08
140	*	0.37	0.000	0.052	0.1225	0.1102	0.0060	3.43E-06	0.3473	0.0049	4.18E-08

141	*	0.00	0.000	0.029	0.1231	0.0955	0.0052	2.98E-06	0.3472	0.0049	4.18E-08
142	*	0.11	0.000	0.022	0.1237	0.0824	0.0045	2.57E-06	0.3472	0.0049	4.18E-08
143		0.04	0.000	0.154	0.1320	0.0735	0.0040	2.29E-06	0.3471	0.0049	4.18E-08
144		0.00	0.000	0.157	0.1253	0.0732	0.0040	2.28E-06	0.3471	0.0049	4.18E-08
145	*	0.03	0.000	0.127	0.1211	0.0714	0.0039	2.22E-06	0.3470	0.0049	4.18E-08
146		0.00	0.000	0.090	0.1171	0.0785	0.0043	2.44E-06	0.3470	0.0049	4.18E-08
147	*	0.00	0.000	0.085	0.1134	0.0794	0.0043	2.47E-06	0.3469	0.0049	4.18E-08
148		0.00	0.000	0.192	0.1052	0.0692	0.0038	2.16E-06	0.3469	0.0049	4.18E-08
149		0.00	0.000	0.130	0.0997	0.0596	0.0032	1.85E-06	0.3468	0.0049	4.18E-08
150		0.00	0.000	0.054	0.0973	0.0525	0.0029	1.64E-06	0.3468	0.0049	4.18E-08
151		0.00	0.000	0.043	0.0954	0.0487	0.0027	1.52E-06	0.3467	0.0049	4.18E-08
152		0.00	0.000	0.036	0.0938	0.0451	0.0025	1.40E-06	0.3467	0.0049	4.17E-08
153		0.00	0.000	0.032	0.0923	0.0738	0.0040	2.30E-06	0.3466	0.0049	4.17E-08
154		0.10	0.000	0.032	0.0950	0.1229	0.0067	3.83E-06	0.3466	0.0049	4.17E-08
155		0.00	0.000	0.027	0.0935	0.1676	0.0091	5.23E-06	0.3466	0.0049	4.17E-08
156		0.17	0.000	0.027	0.0990	0.2013	0.0110	6.28E-06	0.3465	0.0049	4.17E-08
157		0.03	0.000	0.027	0.0984	0.2242	0.0122	6.99E-06	0.3465	0.0049	4.17E-08
158		0.00	0.000	0.024	0.0968	0.2383	0.0130	7.44E-06	0.3465	0.0049	4.17E-08
159		0.00	0.000	0.024	0.0953	0.2425	0.0132	7.57E-06	0.3464	0.0049	4.17E-08
160		0.00	0.000	0.024	0.0938	0.2480	0.0135	7.74E-06	0.3464	0.0049	4.17E-08
161		0.00	0.000	0.023	0.0922	0.2491	0.0136	7.77E-06	0.3464	0.0049	4.17E-08
162		0.00	0.000	0.023	0.0907	0.2448	0.0133	7.64E-06	0.3464	0.0049	4.17E-08
163		0.00	0.000	0.023	0.0892	0.2370	0.0129	7.40E-06	0.3463	0.0049	4.17E-08
164		0.45	0.000	0.028	0.1062	0.2277	0.0124	7.10E-06	0.3463	0.0049	4.17E-08
165		1.48	0.000	0.286	0.1556	0.2240	0.0122	6.99E-06	0.3463	0.0049	4.17E-08
166		0.11	0.000	0.280	0.1482	0.2098	0.0114	6.54E-06	0.3462	0.0049	4.17E-08
167		0.80	0.000	0.270	0.1693	0.4379	0.0239	1.37E-05	0.3462	0.0049	4.17E-08
168		0.33	0.000	0.295	0.1693	0.6774	0.0369	2.12E-05	0.3462	0.0049	4.17E-08
169		0.04	0.000	0.303	0.1554	1.3011	0.0709	4.10E-05	0.3462	0.0049	4.17E-08
170		0.00	0.000	0.343	0.1377	1.4908	0.0813	4.71E-05	0.3462	0.0049	4.17E-08
171		0.00	0.000	0.150	0.1281	1.4742	0.0804	4.66E-05	0.3463	0.0049	4.17E-08
172		0.00	0.000	0.066	0.1222	1.3715	0.0748	4.33E-05	0.3463	0.0049	4.17E-08
173		0.00	0.000	0.055	0.1172	1.2146	0.0662	3.83E-05	0.3464	0.0049	4.17E-08
174		0.06	0.000	0.060	0.1145	1.1029	0.0601	3.47E-05	0.3464	0.0049	4.17E-08
175		0.00	0.000	0.049	0.1102	0.9952	0.0543	3.13E-05	0.3463	0.0049	4.17E-08
176		0.00	0.000	0.041	0.1065	0.9046	0.0493	2.84E-05	0.3463	0.0049	4.17E-08
177		0.17	0.000	0.060	0.1090	0.8586	0.0468	2.70E-05	0.3463	0.0049	4.17E-08

178	0.00	0.000	0.044	0.1054	0.7856	0.0428	2.47E-05	0.3463	0.0049	4.17E-08
179	0.00	0.000	0.043	0.1020	0.7102	0.0387	2.23E-05	0.3462	0.0049	4.17E-08
180	0.00	0.000	0.055	0.0983	0.6513	0.0355	2.04E-05	0.3462	0.0049	4.17E-08
181	0.00	0.000	0.062	0.0943	0.5983	0.0326	1.87E-05	0.3461	0.0049	4.17E-08
182	0.00	0.000	0.064	0.0905	0.5485	0.0299	1.72E-05	0.3460	0.0049	4.17E-08
183	0.00	0.000	0.063	0.0867	0.4989	0.0272	1.56E-05	0.3460	0.0049	4.17E-08
184	0.03	0.000	0.045	0.0848	0.4750	0.0259	1.49E-05	0.3459	0.0049	4.17E-08
185	0.00	0.000	0.074	0.0807	0.4513	0.0246	1.41E-05	0.3458	0.0049	4.16E-08
186	0.17	0.000	0.046	0.0850	0.4012	0.0219	1.25E-05	0.3457	0.0049	4.16E-08
187	0.00	0.000	0.068	0.0813	0.3592	0.0196	1.12E-05	0.3457	0.0049	4.16E-08
188	0.00	0.000	0.049	0.0785	0.3359	0.0183	1.05E-05	0.3456	0.0049	4.16E-08
189	0.85	0.000	0.046	0.1115	0.3044	0.0166	9.51E-06	0.3455	0.0049	4.16E-08
190	0.00	0.000	0.112	0.1062	0.2797	0.0152	8.73E-06	0.3454	0.0049	4.16E-08
191	0.15	0.000	0.115	0.1070	0.2675	0.0146	8.35E-06	0.3454	0.0049	4.16E-08
192	0.00	0.000	0.274	0.0950	0.2620	0.0143	8.18E-06	0.3453	0.0049	4.16E-08
193	0.00	0.000	0.136	0.0888	0.2488	0.0136	7.76E-06	0.3452	0.0049	4.16E-08
194	0.21	0.000	0.284	0.0853	0.2404	0.0131	7.50E-06	0.3451	0.0049	4.16E-08
195	0.16	0.000	0.294	0.0791	0.2272	0.0124	7.09E-06	0.3451	0.0049	4.16E-08
196	0.11	0.000	0.235	0.0732	0.2242	0.0122	7.00E-06	0.3450	0.0049	4.15E-08
197	0.00	0.000	0.110	0.0680	0.2397	0.0131	7.48E-06	0.3449	0.0049	4.15E-08
198	0.00	0.000	0.139	0.0617	0.2405	0.0131	7.51E-06	0.3449	0.0049	4.15E-08
199	0.68	0.000	0.158	0.0829	0.2304	0.0126	7.19E-06	0.3448	0.0049	4.15E-08
200	0.00	0.000	0.288	0.0703	0.2386	0.0130	7.45E-06	0.3447	0.0049	4.15E-08
201	0.00	0.000	0.257	0.0589	0.3023	0.0165	9.44E-06	0.3447	0.0049	4.15E-08
202	0.00	0.000	0.228	0.0488	0.3419	0.0186	1.07E-05	0.3446	0.0049	4.15E-08
203	0.00	0.000	0.185	0.0406	0.2117	0.0115	6.60E-06	0.3446	0.0049	4.15E-08
204	0.00	0.000	0.114	0.0358	0.0403	0.0021	1.19E-06	0.3445	0.0049	4.15E-08
205	0.00	0.000	0.027	0.0347	0.0000	0.0000	0.00E+00	0.3444	0.0049	4.15E-08
206	0.42	0.000	0.081	0.0489	0.0000	0.0000	0.00E+00	0.3443	0.0049	4.15E-08
207	0.24	0.000	0.160	0.0522	0.0000	0.0000	0.00E+00	0.3443	0.0049	4.15E-08
208	0.00	0.000	0.161	0.0456	0.0000	0.0000	0.00E+00	0.3442	0.0049	4.14E-08
209	0.00	0.000	0.155	0.0391	0.0000	0.0000	0.00E+00	0.3441	0.0049	4.14E-08
210	0.00	0.000	0.130	0.0337	0.0000	0.0000	0.00E+00	0.3441	0.0049	4.14E-08
211	0.20	0.000	0.060	0.0394	0.0000	0.0000	0.00E+00	0.3440	0.0049	4.14E-08
212	0.00	0.000	0.113	0.0347	0.0000	0.0000	0.00E+00	0.3440	0.0049	4.14E-08
213	0.71	0.000	0.081	0.0607	0.0000	0.0000	0.00E+00	0.3439	0.0049	4.14E-08
214	0.00	0.000	0.073	0.0577	0.0000	0.0000	0.00E+00	0.3438	0.0049	4.14E-08

215	0.78	0.000	0.090	0.0865	0.0000	0.0000	0.00E+00	0.3438	0.0049	4.14E-08
216	0.00	0.000	0.091	0.0827	0.0000	0.0000	0.00E+00	0.3437	0.0049	4.14E-08
217	0.06	0.000	0.108	0.0808	0.0000	0.0000	0.00E+00	0.3437	0.0049	4.14E-08
218	0.00	0.000	0.103	0.0767	0.0000	0.0000	0.00E+00	0.3436	0.0049	4.14E-08
219	0.00	0.000	0.255	0.0661	0.0000	0.0000	0.00E+00	0.3436	0.0049	4.14E-08
220	0.00	0.000	0.189	0.0582	0.0000	0.0000	0.00E+00	0.3435	0.0049	4.14E-08
221	0.16	0.000	0.248	0.0547	0.0000	0.0000	0.00E+00	0.3435	0.0049	4.14E-08
222	0.00	0.000	0.183	0.0471	0.0000	0.0000	0.00E+00	0.3434	0.0049	4.14E-08
223	0.00	0.000	0.139	0.0413	0.0000	0.0000	0.00E+00	0.3434	0.0049	4.14E-08
224	0.00	0.000	0.127	0.0360	0.0000	0.0000	0.00E+00	0.3434	0.0049	4.13E-08
225	0.04	0.000	0.090	0.0339	0.0000	0.0000	0.00E+00	0.3433	0.0049	4.13E-08
226	0.13	0.000	0.052	0.0371	0.0000	0.0000	0.00E+00	0.3433	0.0049	4.13E-08
227	0.00	0.000	0.034	0.0357	0.0000	0.0000	0.00E+00	0.3432	0.0049	4.13E-08
228	0.59	0.000	0.102	0.0559	0.0000	0.0000	0.00E+00	0.3432	0.0049	4.13E-08
229	0.01	0.000	0.056	0.0538	0.0000	0.0000	0.00E+00	0.3432	0.0049	4.13E-08
230	0.04	0.000	0.114	0.0508	0.0000	0.0000	0.00E+00	0.3431	0.0049	4.13E-08
231	0.00	0.000	0.154	0.0444	0.0000	0.0000	0.00E+00	0.3431	0.0049	4.13E-08
232	0.09	0.000	0.211	0.0396	0.0000	0.0000	0.00E+00	0.3431	0.0049	4.13E-08
233	0.19	0.000	0.131	0.0419	0.0000	0.0000	0.00E+00	0.3430	0.0049	4.13E-08
234	0.06	0.000	0.156	0.0380	0.0000	0.0000	0.00E+00	0.3430	0.0049	4.13E-08
235	0.39	0.000	0.101	0.0499	0.0000	0.0000	0.00E+00	0.3430	0.0049	4.13E-08
236	0.00	0.000	0.172	0.0427	0.0000	0.0000	0.00E+00	0.3429	0.0049	4.13E-08
237	0.00	0.000	0.133	0.0372	0.0000	0.0000	0.00E+00	0.3429	0.0049	4.13E-08
238	0.00	0.000	0.071	0.0342	0.0000	0.0000	0.00E+00	0.3429	0.0049	4.13E-08
239	0.19	0.000	0.063	0.0396	0.0000	0.0000	0.00E+00	0.3428	0.0049	4.13E-08
240	0.00	0.000	0.110	0.0350	0.0000	0.0000	0.00E+00	0.3428	0.0049	4.13E-08
241	0.26	0.000	0.045	0.0441	0.0000	0.0000	0.00E+00	0.3428	0.0049	4.13E-08
242	0.00	0.000	0.076	0.0410	0.0000	0.0000	0.00E+00	0.3427	0.0049	4.13E-08
243	0.10	0.000	0.082	0.0418	0.0000	0.0000	0.00E+00	0.3427	0.0049	4.13E-08
244	0.00	0.000	0.096	0.0378	0.0000	0.0000	0.00E+00	0.3427	0.0049	4.13E-08
245	0.01	0.000	0.052	0.0362	0.0000	0.0000	0.00E+00	0.3426	0.0049	4.13E-08
246	0.07	0.000	0.081	0.0357	0.0000	0.0000	0.00E+00	0.3426	0.0049	4.13E-08
247	0.10	0.000	0.044	0.0380	0.0000	0.0000	0.00E+00	0.3426	0.0049	4.12E-08
248	0.15	0.000	0.085	0.0405	0.0000	0.0000	0.00E+00	0.3425	0.0049	4.12E-08
249	0.33	0.000	0.061	0.0517	0.0000	0.0000	0.00E+00	0.3425	0.0049	4.12E-08
250	0.00	0.000	0.101	0.0475	0.0000	0.0000	0.00E+00	0.3425	0.0049	4.12E-08
251	0.02	0.000	0.135	0.0429	0.0000	0.0000	0.00E+00	0.3424	0.0049	4.12E-08

252		0.00	0.000	0.166	0.0360	0.0000	0.0000	0.00E+00	0.3424	0.0049	4.12E-08
253		0.00	0.000	0.070	0.0330	0.0000	0.0000	0.00E+00	0.3424	0.0049	4.12E-08
254		0.00	0.000	0.013	0.0325	0.0000	0.0000	0.00E+00	0.3424	0.0049	4.12E-08
255		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3423	0.0048	4.12E-08
256		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3423	0.0048	4.12E-08
257		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3423	0.0048	4.12E-08
258		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3422	0.0048	4.12E-08
259		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3422	0.0048	4.12E-08
260		0.00	0.000	0.003	0.0325	0.0000	0.0000	0.00E+00	0.3422	0.0048	4.12E-08
261		0.04	0.000	0.023	0.0334	0.0000	0.0000	0.00E+00	0.3421	0.0048	4.12E-08
262		0.06	0.000	0.026	0.0346	0.0000	0.0000	0.00E+00	0.3421	0.0048	4.12E-08
263		0.00	0.000	0.005	0.0344	0.0000	0.0000	0.00E+00	0.3421	0.0048	4.12E-08
264		0.00	0.000	0.014	0.0339	0.0000	0.0000	0.00E+00	0.3420	0.0048	4.12E-08
265		0.00	0.000	0.016	0.0332	0.0000	0.0000	0.00E+00	0.3420	0.0048	4.12E-08
266		0.00	0.000	0.011	0.0328	0.0000	0.0000	0.00E+00	0.3420	0.0048	4.12E-08
267		0.00	0.000	0.005	0.0326	0.0000	0.0000	0.00E+00	0.3420	0.0048	4.12E-08
268		0.01	0.000	0.010	0.0325	0.0000	0.0000	0.00E+00	0.3419	0.0048	4.12E-08
269	*	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3419	0.0048	4.12E-08
270	*	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3419	0.0048	4.12E-08
271	*	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3418	0.0048	4.12E-08
272		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3418	0.0048	4.12E-08
273		0.46	0.000	0.082	0.0482	0.0000	0.0000	0.00E+00	0.3418	0.0048	4.12E-08
274		0.01	0.000	0.110	0.0441	0.0000	0.0000	0.00E+00	0.3417	0.0048	4.11E-08
275		0.13	0.000	0.117	0.0447	0.0000	0.0000	0.00E+00	0.3417	0.0048	4.11E-08
276		0.76	0.000	0.159	0.0697	0.0000	0.0000	0.00E+00	0.3417	0.0048	4.11E-08
277		0.06	0.000	0.215	0.0633	0.0000	0.0000	0.00E+00	0.3416	0.0048	4.11E-08
278		0.10	0.000	0.056	0.0653	0.0000	0.0000	0.00E+00	0.3416	0.0048	4.11E-08
279		0.29	0.000	0.144	0.0714	0.0000	0.0000	0.00E+00	0.3416	0.0048	4.11E-08
280		0.02	0.000	0.115	0.0677	0.0000	0.0000	0.00E+00	0.3415	0.0048	4.11E-08
281		0.04	0.000	0.094	0.0655	0.0000	0.0000	0.00E+00	0.3415	0.0048	4.11E-08
282		0.16	0.000	0.038	0.0706	0.0000	0.0000	0.00E+00	0.3415	0.0048	4.11E-08
283		0.00	0.000	0.023	0.0696	0.0000	0.0000	0.00E+00	0.3414	0.0048	4.11E-08
284	*	0.00	0.000	0.000	0.0696	0.0000	0.0000	0.00E+00	0.3414	0.0048	4.11E-08
285		0.00	0.000	0.034	0.0682	0.0000	0.0000	0.00E+00	0.3414	0.0048	4.11E-08
286		0.00	0.000	0.052	0.0660	0.0000	0.0000	0.00E+00	0.3413	0.0048	4.11E-08
287	*	0.00	0.000	0.022	0.0651	0.0000	0.0000	0.00E+00	0.3413	0.0048	4.11E-08
288	*	0.00	0.000	0.000	0.0651	0.0000	0.0000	0.00E+00	0.3413	0.0048	4.11E-08

289				0.00	0.000	0.032	0.0638	0.0000	0.0000	0.00E+00	0.3412	0.0048	4.11E-08
290				0.00	0.000	0.057	0.0614	0.0000	0.0000	0.00E+00	0.3412	0.0048	4.11E-08
291				0.17	0.000	0.067	0.0659	0.0000	0.0000	0.00E+00	0.3412	0.0048	4.11E-08
292				0.23	0.000	0.056	0.0731	0.0000	0.0000	0.00E+00	0.3411	0.0048	4.11E-08
293				0.06	0.000	0.064	0.0730	0.0000	0.0000	0.00E+00	0.3411	0.0048	4.11E-08
294	*			0.00	0.000	0.023	0.0721	0.0000	0.0000	0.00E+00	0.3411	0.0048	4.11E-08
295	*			0.00	0.000	0.022	0.0712	0.0000	0.0000	0.00E+00	0.3410	0.0048	4.11E-08
296	*			0.00	0.000	0.000	0.0712	0.0000	0.0000	0.00E+00	0.3410	0.0048	4.11E-08
297	*			0.05	0.000	0.004	0.0720	0.0000	0.0000	0.00E+00	0.3410	0.0048	4.11E-08
298	*			0.17	0.000	0.002	0.0728	0.0000	0.0000	0.00E+00	0.3409	0.0048	4.11E-08
299	*			0.22	0.000	0.007	0.0736	0.0000	0.0000	0.00E+00	0.3409	0.0048	4.10E-08
300	*			0.00	0.000	0.011	0.0745	0.0000	0.0000	0.00E+00	0.3409	0.0048	4.10E-08
301	*			0.00	0.000	0.023	0.0753	0.0000	0.0000	0.00E+00	0.3408	0.0048	4.10E-08
302	*			0.00	0.000	0.009	0.0761	0.0000	0.0000	0.00E+00	0.3408	0.0048	4.10E-08
303	*			0.00	0.000	0.024	0.0769	0.0000	0.0000	0.00E+00	0.3408	0.0048	4.10E-08
304				0.00	0.000	0.029	0.0850	0.0000	0.0000	0.00E+00	0.3407	0.0048	4.10E-08
305				0.00	0.000	0.036	0.0835	0.0000	0.0000	0.00E+00	0.3407	0.0048	4.10E-08
306	*			0.66	0.000	0.011	0.0843	0.0000	0.0000	0.00E+00	0.3407	0.0048	4.10E-08
307	*			0.48	0.000	0.019	0.0852	0.0000	0.0000	0.00E+00	0.3406	0.0048	4.10E-08
308	*		*	0.00	0.000	0.018	0.0852	0.0000	0.0000	0.00E+00	0.3406	0.0048	4.10E-08
309			*	0.00	0.367	0.000	0.1138	0.0000	0.0000	0.00E+00	0.3405	0.0048	4.10E-08
310			*	0.00	0.000	0.000	0.1138	0.0000	0.0000	0.00E+00	0.3405	0.0048	4.10E-08
311			*	0.00	0.000	0.000	0.1138	0.0000	0.0000	0.00E+00	0.3405	0.0048	4.10E-08
312	*		*	0.21	0.000	0.024	0.1138	0.0000	0.0000	0.00E+00	0.3404	0.0048	4.10E-08
313	*		*	0.00	0.000	0.025	0.1138	0.0000	0.0000	0.00E+00	0.3404	0.0048	4.10E-08
314	*		*	0.10	0.000	0.019	0.1138	0.0000	0.0000	0.00E+00	0.3404	0.0048	4.10E-08
315	*		*	0.00	0.000	0.024	0.1138	0.0000	0.0000	0.00E+00	0.3403	0.0048	4.10E-08
316	*		*	0.00	0.000	0.019	0.1138	0.0000	0.0000	0.00E+00	0.3403	0.0048	4.10E-08
317	*		*	0.00	0.000	0.005	0.1138	0.0000	0.0000	0.00E+00	0.3403	0.0048	4.10E-08
318	*		*	0.00	0.000	0.006	0.1138	0.0000	0.0000	0.00E+00	0.3402	0.0048	4.10E-08
319	*		*	0.00	0.000	0.014	0.1138	0.0000	0.0000	0.00E+00	0.3402	0.0048	4.10E-08
320			*	0.00	0.000	0.022	0.1203	0.0000	0.0000	0.00E+00	0.3401	0.0048	4.10E-08
321	*		*	0.00	0.000	0.000	0.1203	0.0000	0.0000	0.00E+00	0.3401	0.0048	4.10E-08
322	*		*	0.00	0.000	0.000	0.1203	0.0000	0.0000	0.00E+00	0.3401	0.0048	4.09E-08
323	*		*	0.00	0.000	0.000	0.1203	0.0000	0.0000	0.00E+00	0.3400	0.0048	4.09E-08
324	*		*	0.00	0.000	0.000	0.1203	0.0000	0.0000	0.00E+00	0.3400	0.0048	4.09E-08
325			*	0.00	0.000	0.000	0.1203	0.0000	0.0000	0.00E+00	0.3400	0.0048	4.09E-08

326		*	0.05	0.000	0.009	0.1222	0.0000	0.0000	0.00E+00	0.3399	0.0048	4.09E-08
327		*	0.00	0.000	0.000	0.1222	0.0000	0.0000	0.00E+00	0.3399	0.0048	4.09E-08
328	*	*	0.00	0.000	0.000	0.1222	0.0000	0.0000	0.00E+00	0.3398	0.0048	4.09E-08
329	*	*	0.11	0.000	0.013	0.1222	0.0000	0.0000	0.00E+00	0.3398	0.0048	4.09E-08
330	*	*	0.00	0.000	0.012	0.1222	0.0000	0.0000	0.00E+00	0.3398	0.0048	4.09E-08
331	*	*	0.00	0.000	0.004	0.1222	0.0000	0.0000	0.00E+00	0.3397	0.0048	4.09E-08
332	*	*	0.00	0.000	0.005	0.1222	0.0000	0.0000	0.00E+00	0.3397	0.0048	4.09E-08
333	*	*	0.00	0.000	0.020	0.1222	0.0000	0.0000	0.00E+00	0.3397	0.0048	4.09E-08
334	*	*	0.01	0.000	0.025	0.1222	0.0000	0.0000	0.00E+00	0.3396	0.0048	4.09E-08
335	*	*	0.00	0.000	0.008	0.1222	0.0000	0.0000	0.00E+00	0.3396	0.0048	4.09E-08
336	*	*	0.00	0.000	0.003	0.1222	0.0000	0.0000	0.00E+00	0.3395	0.0048	4.09E-08
337	*	*	0.00	0.000	0.008	0.1222	0.0000	0.0000	0.00E+00	0.3395	0.0048	4.09E-08
338	*	*	0.00	0.000	0.008	0.1222	0.0000	0.0000	0.00E+00	0.3395	0.0048	4.09E-08
339		*	0.00	0.000	0.015	0.1222	0.0000	0.0000	0.00E+00	0.3394	0.0048	4.09E-08
340		*	0.00	0.000	0.000	0.1222	0.0000	0.0000	0.00E+00	0.3394	0.0048	4.09E-08
341		*	0.00	0.000	0.000	0.1222	0.0000	0.0000	0.00E+00	0.3394	0.0048	4.09E-08
342	*	*	0.00	0.000	0.000	0.1222	0.0000	0.0000	0.00E+00	0.3393	0.0048	4.09E-08
343	*	*	0.06	0.000	0.014	0.1222	0.0000	0.0000	0.00E+00	0.3393	0.0048	4.09E-08
344	*	*	0.00	0.000	0.011	0.1222	0.0000	0.0000	0.00E+00	0.3392	0.0048	4.08E-08
345	*	*	0.00	0.000	0.002	0.1222	0.0000	0.0000	0.00E+00	0.3392	0.0048	4.08E-08
346	*	*	0.00	0.000	0.001	0.1222	0.0000	0.0000	0.00E+00	0.3392	0.0048	4.08E-08
347	*	*	0.00	0.000	0.002	0.1222	0.0000	0.0000	0.00E+00	0.3391	0.0048	4.08E-08
348	*	*	0.00	0.000	0.004	0.1222	0.0000	0.0000	0.00E+00	0.3391	0.0048	4.08E-08
349	*	*	0.00	0.000	0.006	0.1222	0.0000	0.0000	0.00E+00	0.3390	0.0048	4.08E-08
350	*	*	0.02	0.000	0.005	0.1222	0.0000	0.0000	0.00E+00	0.3390	0.0048	4.08E-08
351	*	*	0.00	0.000	0.022	0.1222	0.0000	0.0000	0.00E+00	0.3390	0.0048	4.08E-08
352		*	0.00	0.000	0.008	0.1222	0.0000	0.0000	0.00E+00	0.3389	0.0048	4.08E-08
353	*	*	0.00	0.000	0.000	0.1222	0.0000	0.0000	0.00E+00	0.3389	0.0048	4.08E-08
354	*	*	0.20	0.000	0.015	0.1222	0.0000	0.0000	0.00E+00	0.3388	0.0048	4.08E-08
355		*	0.00	0.002	0.016	0.1291	0.0000	0.0000	0.00E+00	0.3388	0.0048	4.08E-08
356		*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3388	0.0048	4.08E-08
357	*	*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3387	0.0048	4.08E-08
358	*	*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3387	0.0048	4.08E-08
359	*	*	0.02	0.000	0.011	0.1291	0.0000	0.0000	0.00E+00	0.3387	0.0048	4.08E-08
360		*	0.00	0.000	0.005	0.1291	0.0000	0.0000	0.00E+00	0.3386	0.0048	4.08E-08
361		*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3386	0.0048	4.08E-08
362		*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3385	0.0048	4.08E-08

363	*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3385	0.0048	4.08E-08
364	*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3385	0.0048	4.08E-08
365	*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3384	0.0048	4.07E-08

* = Frozen (air or soil)

Annual Totals for Year 11			
	inches	cubic feet	percent
Precipitation	24.37	744,078.1	100.00
Runoff	0.369	11,253.4	1.51
Evapotranspiration	21.397	653,202.3	87.79
Drainage Collected from Layer 2	3.2344	98,739.8	13.27
Percolation/Leakage through Layer 3	0.001861	56.8	0.01
Average Head on Top of Layer 3	0.1626	---	---
Drainage Collected from Layer 5	1.7886	54,602.4	7.34
Percolation/Leakage through Layer 7	0.000015	0.4641	0.00
Average Head on Top of Layer 6	0.3459	---	---
Change in Water Storage	-2.4148	-73,720.2	-9.91
Soil Water at Start of Year	310.2262	9,470,677.0	1272.81
Soil Water at End of Year	307.8799	9,399,049.5	1263.18
Snow Water at Start of Year	0.0685	2,092.7	0.28
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 12

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.02	0.000	0.019	0.1291	0.0000	0.0000	0.00E+00	0.3384	0.0048	4.07E-08
2		*	0.00	0.000	0.005	0.1291	0.0000	0.0000	0.00E+00	0.3383	0.0048	4.07E-08
3	*	*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3383	0.0048	4.07E-08
4	*	*	0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.3383	0.0048	4.07E-08
5	*	*	0.08	0.000	0.011	0.1291	0.0000	0.0000	0.00E+00	0.3382	0.0048	4.07E-08
6	*	*	0.02	0.000	0.016	0.1291	0.0000	0.0000	0.00E+00	0.3382	0.0048	4.07E-08
7		*	0.00	0.000	0.035	0.1304	0.0000	0.0000	0.00E+00	0.3381	0.0048	4.07E-08
8	*	*	0.00	0.000	0.000	0.1304	0.0000	0.0000	0.00E+00	0.3381	0.0048	4.07E-08
9	*	*	0.00	0.000	0.000	0.1304	0.0000	0.0000	0.00E+00	0.3381	0.0048	4.07E-08
10	*	*	0.00	0.000	0.000	0.1304	0.0000	0.0000	0.00E+00	0.3380	0.0048	4.07E-08
11		*	0.00	0.000	0.000	0.1304	0.0000	0.0000	0.00E+00	0.3380	0.0048	4.07E-08
12	*	*	0.00	0.000	0.000	0.1304	0.0000	0.0000	0.00E+00	0.3379	0.0048	4.07E-08
13	*	*	0.00	0.000	0.000	0.1304	0.0000	0.0000	0.00E+00	0.3379	0.0048	4.07E-08
14		*	0.00	0.000	0.000	0.1304	0.0000	0.0000	0.00E+00	0.3379	0.0048	4.07E-08
15		*	0.18	0.003	0.006	0.1374	0.0000	0.0000	0.00E+00	0.3378	0.0048	4.07E-08
16		*	0.00	0.000	0.000	0.1374	0.0000	0.0000	0.00E+00	0.3378	0.0048	4.07E-08
17		*	0.00	0.000	0.000	0.1374	0.0000	0.0000	0.00E+00	0.3377	0.0048	4.07E-08
18		*	0.00	0.000	0.000	0.1374	0.0000	0.0000	0.00E+00	0.3377	0.0048	4.07E-08
19	*	*	0.00	0.000	0.000	0.1374	0.0000	0.0000	0.00E+00	0.3377	0.0048	4.07E-08
20	*	*	0.00	0.000	0.000	0.1374	0.0000	0.0000	0.00E+00	0.3376	0.0048	4.06E-08
21		*	0.27	0.026	0.006	0.1471	0.0000	0.0000	0.00E+00	0.3376	0.0048	4.06E-08
22		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3375	0.0048	4.06E-08
23	*	*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3375	0.0048	4.06E-08
24	*	*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3375	0.0048	4.06E-08
25	*	*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3374	0.0048	4.06E-08
26	*	*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3374	0.0048	4.06E-08
27	*	*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3373	0.0048	4.06E-08
28	*	*	0.07	0.000	0.011	0.1471	0.0000	0.0000	0.00E+00	0.3373	0.0048	4.06E-08
29	*	*	0.00	0.000	0.030	0.1471	0.0000	0.0000	0.00E+00	0.3373	0.0048	4.06E-08

30	*	*	0.00	0.000	0.012	0.1471	0.0000	0.0000	0.00E+00	0.3372	0.0048	4.06E-08
31	*	*	0.00	0.000	0.020	0.1471	0.0000	0.0000	0.00E+00	0.3372	0.0048	4.06E-08
32		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3371	0.0048	4.06E-08
33		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3371	0.0048	4.06E-08
34		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3371	0.0048	4.06E-08
35		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3370	0.0048	4.06E-08
36		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3370	0.0048	4.06E-08
37		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3369	0.0048	4.06E-08
38		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3369	0.0048	4.06E-08
39		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3368	0.0048	4.06E-08
40		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3368	0.0048	4.06E-08
41		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3368	0.0048	4.05E-08
42		*	0.00	0.000	0.000	0.1471	0.0000	0.0000	0.00E+00	0.3367	0.0048	4.05E-08
43		*	0.00	0.000	0.002	0.1472	0.0000	0.0000	0.00E+00	0.3367	0.0048	4.05E-08
44		*	0.17	0.005	0.005	0.1538	0.0000	0.0000	0.00E+00	0.3366	0.0048	4.05E-08
45		*	0.00	0.000	0.000	0.1538	0.0000	0.0000	0.00E+00	0.3366	0.0048	4.05E-08
46			0.00	0.000	0.048	0.1515	0.1304	0.0071	4.08E-06	0.3366	0.0048	4.05E-08
47			0.00	0.000	0.053	0.1459	1.4828	0.0808	4.69E-05	0.3366	0.0048	4.05E-08
48			0.00	0.000	0.057	0.1401	1.5351	0.0837	4.85E-05	0.3367	0.0048	4.05E-08
49	*		0.00	0.000	0.000	0.1368	1.4352	0.0782	4.53E-05	0.3367	0.0048	4.05E-08
50			0.00	0.000	0.060	0.1313	1.3090	0.0714	4.13E-05	0.3368	0.0048	4.05E-08
51			0.00	0.000	0.107	0.1241	1.1970	0.0653	3.77E-05	0.3368	0.0048	4.06E-08
52	*		0.13	0.000	0.030	0.1224	1.1088	0.0604	3.49E-05	0.3368	0.0048	4.06E-08
53	*		0.00	0.000	0.022	0.1210	1.0050	0.0548	3.16E-05	0.3368	0.0048	4.06E-08
54	*		0.00	0.000	0.043	0.1188	0.9083	0.0495	2.85E-05	0.3368	0.0048	4.06E-08
55	*		0.00	0.000	0.052	0.1147	0.8368	0.0456	2.63E-05	0.3368	0.0048	4.05E-08
56			0.00	0.000	0.059	0.1105	0.7744	0.0422	2.43E-05	0.3367	0.0048	4.05E-08
57			0.00	0.000	0.072	0.1059	0.7178	0.0391	2.25E-05	0.3367	0.0048	4.05E-08
58	*		0.00	0.000	0.034	0.1030	0.6609	0.0360	2.07E-05	0.3367	0.0048	4.05E-08
59	*		0.04	0.000	0.011	0.1024	0.6215	0.0339	1.95E-05	0.3366	0.0048	4.05E-08
60	*		0.00	0.000	0.005	0.1013	0.5875	0.0320	1.84E-05	0.3365	0.0048	4.05E-08
61	*		0.00	0.000	0.000	0.1000	0.5470	0.0298	1.71E-05	0.3365	0.0048	4.05E-08
62	*		0.04	0.000	0.039	0.0990	0.5055	0.0276	1.58E-05	0.3364	0.0048	4.05E-08
63			0.17	0.000	0.066	0.1024	0.4629	0.0252	1.45E-05	0.3363	0.0048	4.05E-08
64			0.08	0.000	0.105	0.1004	0.4358	0.0238	1.36E-05	0.3363	0.0048	4.05E-08
65			0.00	0.000	0.103	0.0952	0.3986	0.0217	1.25E-05	0.3362	0.0048	4.05E-08
66			0.24	0.000	0.106	0.0999	0.3728	0.0203	1.17E-05	0.3361	0.0048	4.05E-08

67			0.00	0.000	0.090	0.0954	0.3403	0.0185	1.06E-05	0.3360	0.0048	4.05E-08
68			0.00	0.000	0.041	0.0930	0.3053	0.0166	9.53E-06	0.3360	0.0048	4.04E-08
69	*		0.10	0.000	0.025	0.0932	0.2710	0.0148	8.46E-06	0.3359	0.0048	4.04E-08
70			0.00	0.000	0.059	0.0924	0.2425	0.0132	7.57E-06	0.3358	0.0048	4.04E-08
71	*		0.01	0.000	0.010	0.0919	0.2222	0.0121	6.93E-06	0.3357	0.0048	4.04E-08
72	*		0.00	0.000	0.000	0.0914	0.2066	0.0113	6.44E-06	0.3356	0.0048	4.04E-08
73	*		0.00	0.000	0.000	0.0910	0.1944	0.0106	6.06E-06	0.3356	0.0048	4.04E-08
74			0.00	0.000	0.081	0.0872	0.1892	0.0103	5.90E-06	0.3355	0.0048	4.04E-08
75			0.00	0.000	0.051	0.0846	0.1864	0.0102	5.81E-06	0.3354	0.0048	4.04E-08
76			0.00	0.000	0.054	0.0820	0.1725	0.0094	5.38E-06	0.3353	0.0048	4.04E-08
77			0.01	0.000	0.045	0.0801	0.1522	0.0083	4.74E-06	0.3353	0.0047	4.04E-08
78			0.00	0.000	0.035	0.0783	0.1397	0.0076	4.36E-06	0.3352	0.0047	4.04E-08
79			0.00	0.000	0.027	0.0769	0.1321	0.0072	4.12E-06	0.3351	0.0047	4.03E-08
80	*		0.00	0.000	0.000	0.0766	0.1282	0.0070	3.99E-06	0.3350	0.0047	4.03E-08
81	*		0.00	0.000	0.000	0.0763	0.1261	0.0069	3.93E-06	0.3350	0.0047	4.03E-08
82	*		0.09	0.000	0.034	0.0768	0.1230	0.0067	3.83E-06	0.3349	0.0047	4.03E-08
83	*		0.08	0.000	0.000	0.0774	0.1192	0.0065	3.71E-06	0.3348	0.0047	4.03E-08
84	*		0.00	0.000	0.040	0.0780	0.1149	0.0063	3.58E-06	0.3348	0.0047	4.03E-08
85			0.06	0.000	0.079	0.0788	0.1105	0.0060	3.44E-06	0.3347	0.0047	4.03E-08
86			0.02	0.000	0.032	0.0780	0.1047	0.0057	3.26E-06	0.3346	0.0047	4.03E-08
87			0.00	0.000	0.025	0.0767	0.0980	0.0053	3.05E-06	0.3346	0.0047	4.03E-08
88	*		0.00	0.000	0.024	0.0755	0.0936	0.0051	2.91E-06	0.3345	0.0047	4.03E-08
89	*		0.00	0.000	0.021	0.0744	0.0930	0.0051	2.90E-06	0.3345	0.0047	4.03E-08
90			0.00	0.000	0.021	0.0734	0.0884	0.0048	2.75E-06	0.3344	0.0047	4.03E-08
91			0.00	0.000	0.020	0.0723	0.0835	0.0045	2.60E-06	0.3343	0.0047	4.03E-08
92	*		0.00	0.000	0.000	0.0722	0.0802	0.0044	2.50E-06	0.3343	0.0047	4.02E-08
93	*		0.00	0.000	0.000	0.0720	0.0785	0.0043	2.44E-06	0.3342	0.0047	4.02E-08
94			0.00	0.000	0.019	0.0710	0.0754	0.0041	2.35E-06	0.3342	0.0047	4.02E-08
95	*		0.00	0.000	0.000	0.0708	0.0720	0.0039	2.24E-06	0.3341	0.0047	4.02E-08
96	*		0.00	0.000	0.018	0.0699	0.0693	0.0038	2.16E-06	0.3341	0.0047	4.02E-08
97	*	*	0.00	0.000	0.000	0.0698	0.0632	0.0034	1.97E-06	0.3340	0.0047	4.02E-08
98		*	0.00	0.000	0.000	0.0697	0.0545	0.0030	1.70E-06	0.3340	0.0047	4.02E-08
99		*	0.00	0.000	0.000	0.0696	0.0469	0.0026	1.46E-06	0.3339	0.0047	4.02E-08
100		*	0.00	0.000	0.000	0.0695	0.0404	0.0022	1.26E-06	0.3338	0.0047	4.02E-08
101		*	0.27	0.000	0.004	0.0804	0.0348	0.0019	1.08E-06	0.3338	0.0047	4.02E-08
102		*	0.00	0.000	0.001	0.0803	0.0300	0.0016	9.36E-07	0.3337	0.0047	4.02E-08
103		*	0.65	0.109	0.004	0.1027	0.0258	0.0014	8.08E-07	0.3337	0.0047	4.02E-08

104		*	0.06	0.000	0.004	0.1050	0.0222	0.0012	6.98E-07	0.3336	0.0047	4.02E-08
105		*	0.00	0.000	0.000	0.1050	0.0191	0.0010	6.03E-07	0.3336	0.0047	4.02E-08
106		*	0.43	0.047	0.004	0.1210	0.0165	0.0009	5.21E-07	0.3336	0.0047	4.02E-08
107		*	0.30	0.017	0.004	0.1325	0.0142	0.0008	4.51E-07	0.3335	0.0047	4.02E-08
108		*	0.09	0.000	0.003	0.1362	0.0122	0.0007	3.90E-07	0.3335	0.0047	4.01E-08
109		*	0.00	0.000	0.000	0.1362	0.0105	0.0006	3.38E-07	0.3334	0.0047	4.01E-08
110		*	0.00	0.000	0.000	0.1362	0.0091	0.0005	2.93E-07	0.3334	0.0047	4.01E-08
111		*	0.21	0.005	0.003	0.1445	0.0078	0.0004	2.54E-07	0.3333	0.0047	4.01E-08
112			0.00	0.000	0.206	0.1359	0.0093	0.0005	3.00E-07	0.3333	0.0047	4.01E-08
113			0.00	0.000	0.108	0.1309	0.2241	0.0122	7.00E-06	0.3332	0.0047	4.01E-08
114			0.00	0.000	0.163	0.1229	0.5323	0.0290	1.67E-05	0.3332	0.0047	4.01E-08
115			0.24	0.000	0.092	0.1276	0.6914	0.0377	2.17E-05	0.3332	0.0047	4.01E-08
116			0.15	0.000	0.083	0.1288	0.7531	0.0411	2.36E-05	0.3332	0.0047	4.01E-08
117			0.00	0.000	0.188	0.1192	0.7805	0.0425	2.45E-05	0.3333	0.0047	4.01E-08
118			0.00	0.000	0.167	0.1105	0.7635	0.0416	2.40E-05	0.3333	0.0047	4.01E-08
119			0.23	0.000	0.133	0.1127	0.7430	0.0405	2.33E-05	0.3333	0.0047	4.01E-08
120			0.00	0.000	0.237	0.1012	0.7116	0.0388	2.23E-05	0.3333	0.0047	4.01E-08
121			0.00	0.000	0.054	0.0974	0.6744	0.0368	2.11E-05	0.3332	0.0047	4.01E-08
122			0.04	0.000	0.044	0.0957	0.6300	0.0343	1.97E-05	0.3332	0.0047	4.01E-08
123			0.16	0.000	0.038	0.0995	0.5949	0.0324	1.86E-05	0.3332	0.0047	4.01E-08
124			0.05	0.000	0.034	0.0988	0.5602	0.0305	1.75E-05	0.3332	0.0047	4.01E-08
125			0.31	0.000	0.031	0.1093	0.5247	0.0286	1.64E-05	0.3331	0.0047	4.01E-08
126			0.00	0.000	0.371	0.0928	0.4770	0.0260	1.49E-05	0.3331	0.0047	4.01E-08
127			0.00	0.000	0.025	0.0907	0.4446	0.0242	1.39E-05	0.3331	0.0047	4.01E-08
128			0.20	0.000	0.027	0.0968	0.4338	0.0236	1.36E-05	0.3330	0.0047	4.01E-08
129			0.00	0.000	0.022	0.0949	0.4111	0.0224	1.29E-05	0.3330	0.0047	4.01E-08
130			0.47	0.000	0.024	0.1124	0.3837	0.0209	1.20E-05	0.3329	0.0047	4.01E-08
131	*		0.18	0.000	0.046	0.1124	0.3560	0.0194	1.11E-05	0.3329	0.0047	4.01E-08
132			0.00	0.000	0.234	0.1067	0.3256	0.0177	1.02E-05	0.3328	0.0047	4.01E-08
133			0.01	0.000	0.094	0.1026	0.2954	0.0161	9.22E-06	0.3328	0.0047	4.01E-08
134			0.00	0.000	0.131	0.0966	0.2659	0.0145	8.30E-06	0.3327	0.0047	4.01E-08
135			0.00	0.000	0.199	0.0878	0.2355	0.0128	7.35E-06	0.3327	0.0047	4.00E-08
136			0.99	0.000	0.134	0.1231	0.2145	0.0117	6.69E-06	0.3326	0.0047	4.00E-08
137			0.02	0.000	0.241	0.1135	0.1944	0.0106	6.06E-06	0.3325	0.0047	4.00E-08
138			0.09	0.000	0.247	0.1064	0.1871	0.0102	5.84E-06	0.3325	0.0047	4.00E-08
139			0.20	0.000	0.324	0.1010	0.1989	0.0108	6.20E-06	0.3324	0.0047	4.00E-08
140			0.00	0.000	0.278	0.0890	0.2019	0.0110	6.30E-06	0.3324	0.0047	4.00E-08

141	0.30	0.000	0.136	0.0953	0.1908	0.0104	5.95E-06	0.3323	0.0047	4.00E-08
142	0.00	0.000	0.056	0.0926	0.1769	0.0096	5.51E-06	0.3323	0.0047	4.00E-08
143	0.42	0.000	0.047	0.1076	0.1641	0.0089	5.12E-06	0.3322	0.0047	4.00E-08
144	0.63	0.000	0.219	0.1245	0.1534	0.0084	4.78E-06	0.3321	0.0047	4.00E-08
145	0.01	0.000	0.098	0.1204	0.1396	0.0076	4.35E-06	0.3321	0.0047	4.00E-08
146	0.00	0.000	0.200	0.1118	0.1218	0.0066	3.80E-06	0.3320	0.0047	4.00E-08
147	0.00	0.000	0.213	0.1027	0.1173	0.0064	3.66E-06	0.3320	0.0047	4.00E-08
148	0.00	0.000	0.213	0.0935	0.1155	0.0063	3.60E-06	0.3319	0.0047	4.00E-08
149	0.00	0.000	0.134	0.0877	0.1132	0.0062	3.53E-06	0.3319	0.0047	4.00E-08
150	0.00	0.000	0.058	0.0850	0.1066	0.0058	3.32E-06	0.3318	0.0047	3.99E-08
151	0.06	0.000	0.047	0.0855	0.0979	0.0053	3.05E-06	0.3318	0.0047	3.99E-08
152	0.06	0.000	0.046	0.0859	0.0893	0.0049	2.78E-06	0.3317	0.0047	3.99E-08
153	0.00	0.000	0.035	0.0843	0.0806	0.0044	2.51E-06	0.3317	0.0047	3.99E-08
154	0.00	0.000	0.032	0.0828	0.0699	0.0038	2.18E-06	0.3316	0.0047	3.99E-08
155	0.19	0.000	0.032	0.0894	0.0599	0.0033	1.87E-06	0.3316	0.0047	3.99E-08
156	0.44	0.000	0.031	0.1064	0.0513	0.0028	1.60E-06	0.3315	0.0047	3.99E-08
157	0.24	0.000	0.114	0.1115	0.0452	0.0025	1.41E-06	0.3314	0.0047	3.99E-08
158	0.00	0.000	0.215	0.1024	0.0444	0.0024	1.38E-06	0.3314	0.0047	3.99E-08
159	0.03	0.000	0.344	0.0890	0.0471	0.0026	1.47E-06	0.3314	0.0047	3.99E-08
160	0.07	0.000	0.146	0.0858	0.0408	0.0022	1.27E-06	0.3313	0.0047	3.99E-08
161	0.01	0.000	0.070	0.0830	0.0340	0.0019	1.06E-06	0.3313	0.0047	3.99E-08
162	0.00	0.000	0.049	0.0810	0.0284	0.0015	8.89E-07	0.3312	0.0047	3.99E-08
163	0.73	0.000	0.052	0.1092	0.0266	0.0015	8.34E-07	0.3312	0.0047	3.99E-08
164	0.05	0.000	0.287	0.0994	0.0299	0.0016	9.33E-07	0.3311	0.0047	3.99E-08
165	0.07	0.000	0.329	0.0887	0.0270	0.0015	8.43E-07	0.3311	0.0047	3.99E-08
166	0.67	0.000	0.129	0.1113	0.0368	0.0020	1.14E-06	0.3310	0.0047	3.99E-08
167	1.11	0.000	0.255	0.1469	0.0313	0.0017	9.77E-07	0.3310	0.0047	3.98E-08
168	0.00	0.000	0.285	0.1350	0.0404	0.0022	1.26E-06	0.3309	0.0047	3.98E-08
169	0.00	0.000	0.285	0.1230	0.0371	0.0020	1.15E-06	0.3309	0.0047	3.98E-08
170	0.00	0.000	0.215	0.1137	0.1564	0.0085	4.87E-06	0.3309	0.0047	3.98E-08
171	0.00	0.000	0.152	0.1068	0.2546	0.0139	7.95E-06	0.3308	0.0047	3.98E-08
172	0.00	0.000	0.093	0.1022	0.3296	0.0180	1.03E-05	0.3308	0.0047	3.98E-08
173	0.00	0.000	0.079	0.0980	0.3998	0.0218	1.25E-05	0.3308	0.0047	3.98E-08
174	0.00	0.000	0.076	0.0937	0.4691	0.0256	1.47E-05	0.3308	0.0047	3.98E-08
175	0.00	0.000	0.062	0.0900	0.5089	0.0277	1.59E-05	0.3308	0.0047	3.98E-08
176	0.00	0.000	0.078	0.0855	0.5113	0.0279	1.60E-05	0.3308	0.0047	3.98E-08
177	0.00	0.000	0.083	0.0810	0.4678	0.0255	1.46E-05	0.3308	0.0047	3.98E-08

178	0.81	0.000	0.056	0.1113	0.4811	0.0262	1.51E-05	0.3308	0.0047	3.98E-08
179	0.24	0.000	0.321	0.1068	0.4915	0.0268	1.54E-05	0.3307	0.0047	3.98E-08
180	0.02	0.000	0.138	0.1007	0.4697	0.0256	1.47E-05	0.3307	0.0047	3.98E-08
181	0.27	0.000	0.327	0.0972	0.4474	0.0244	1.40E-05	0.3307	0.0047	3.98E-08
182	0.00	0.000	0.315	0.0830	0.4772	0.0260	1.49E-05	0.3307	0.0047	3.98E-08
183	0.12	0.000	0.213	0.0780	0.5203	0.0284	1.63E-05	0.3306	0.0047	3.98E-08
184	0.01	0.000	0.148	0.0710	0.5019	0.0274	1.57E-05	0.3306	0.0047	3.98E-08
185	0.00	0.000	0.138	0.0642	0.4654	0.0254	1.46E-05	0.3306	0.0047	3.98E-08
186	0.12	0.000	0.146	0.0619	0.4270	0.0233	1.34E-05	0.3306	0.0047	3.98E-08
187	0.92	0.000	0.142	0.0933	0.3797	0.0207	1.19E-05	0.3305	0.0047	3.98E-08
188	0.03	0.000	0.292	0.0817	0.3996	0.0218	1.25E-05	0.3305	0.0047	3.98E-08
189	0.00	0.000	0.221	0.0714	0.4735	0.0258	1.48E-05	0.3305	0.0047	3.98E-08
190	0.30	0.000	0.198	0.0745	0.4322	0.0236	1.35E-05	0.3304	0.0047	3.98E-08
191	0.29	0.000	0.316	0.0725	0.3702	0.0202	1.16E-05	0.3304	0.0047	3.98E-08
192	0.00	0.000	0.153	0.0654	0.3162	0.0172	9.88E-06	0.3303	0.0047	3.98E-08
193	0.19	0.000	0.148	0.0664	0.2701	0.0147	8.43E-06	0.3303	0.0047	3.98E-08
194	0.08	0.000	0.249	0.0587	0.2306	0.0126	7.20E-06	0.3302	0.0047	3.98E-08
195	0.08	0.000	0.260	0.0507	0.1961	0.0107	6.11E-06	0.3302	0.0047	3.97E-08
196	0.00	0.000	0.200	0.0420	0.1369	0.0075	4.27E-06	0.3301	0.0047	3.97E-08
197	0.00	0.000	0.124	0.0368	0.0339	0.0016	8.91E-07	0.3301	0.0047	3.97E-08
198	0.04	0.000	0.057	0.0359	0.0000	0.0000	0.00E+00	0.3300	0.0047	3.97E-08
199	0.02	0.000	0.047	0.0346	0.0000	0.0000	0.00E+00	0.3299	0.0047	3.97E-08
200	0.01	0.000	0.037	0.0333	0.0000	0.0000	0.00E+00	0.3299	0.0047	3.97E-08
201	0.03	0.000	0.045	0.0328	0.0000	0.0000	0.00E+00	0.3298	0.0047	3.97E-08
202	0.00	0.000	0.004	0.0327	0.0000	0.0000	0.00E+00	0.3297	0.0047	3.97E-08
203	0.26	0.000	0.033	0.0423	0.0000	0.0000	0.00E+00	0.3297	0.0047	3.97E-08
204	0.15	0.000	0.159	0.0419	0.0000	0.0000	0.00E+00	0.3296	0.0047	3.97E-08
205	0.00	0.000	0.158	0.0353	0.0000	0.0000	0.00E+00	0.3296	0.0047	3.97E-08
206	0.00	0.000	0.054	0.0331	0.0000	0.0000	0.00E+00	0.3295	0.0047	3.97E-08
207	0.08	0.000	0.038	0.0347	0.0000	0.0000	0.00E+00	0.3295	0.0047	3.97E-08
208	0.87	0.000	0.097	0.0668	0.0000	0.0000	0.00E+00	0.3294	0.0047	3.97E-08
209	0.11	0.000	0.098	0.0672	0.0000	0.0000	0.00E+00	0.3294	0.0047	3.96E-08
210	0.00	0.000	0.201	0.0588	0.0000	0.0000	0.00E+00	0.3293	0.0047	3.96E-08
211	0.00	0.000	0.109	0.0543	0.0000	0.0000	0.00E+00	0.3293	0.0047	3.96E-08
212	0.00	0.000	0.094	0.0504	0.0000	0.0000	0.00E+00	0.3292	0.0047	3.96E-08
213	0.00	0.000	0.231	0.0408	0.0000	0.0000	0.00E+00	0.3292	0.0047	3.96E-08
214	0.05	0.000	0.190	0.0350	0.0000	0.0000	0.00E+00	0.3291	0.0047	3.96E-08

215	0.00	0.000	0.048	0.0330	0.0000	0.0000	0.00E+00	0.3291	0.0047	3.96E-08
216	0.00	0.000	0.012	0.0325	0.0000	0.0000	0.00E+00	0.3291	0.0047	3.96E-08
217	1.70	0.000	0.080	0.1000	0.0000	0.0000	0.00E+00	0.3290	0.0047	3.96E-08
218	0.00	0.000	0.085	0.0965	0.0000	0.0000	0.00E+00	0.3290	0.0047	3.96E-08
219	0.35	0.000	0.104	0.1069	0.0000	0.0000	0.00E+00	0.3289	0.0047	3.96E-08
220	0.07	0.000	0.241	0.1000	0.0000	0.0000	0.00E+00	0.3289	0.0047	3.96E-08
221	0.00	0.000	0.234	0.0902	0.0000	0.0000	0.00E+00	0.3289	0.0047	3.96E-08
222	0.00	0.000	0.230	0.0806	0.0000	0.0000	0.00E+00	0.3288	0.0047	3.96E-08
223	0.00	0.000	0.226	0.0712	0.0000	0.0000	0.00E+00	0.3288	0.0047	3.96E-08
224	0.00	0.000	0.239	0.0613	0.0000	0.0000	0.00E+00	0.3287	0.0047	3.96E-08
225	0.00	0.000	0.186	0.0535	0.0000	0.0000	0.00E+00	0.3287	0.0047	3.96E-08
226	0.00	0.000	0.131	0.0482	0.0000	0.0000	0.00E+00	0.3287	0.0047	3.96E-08
227	0.00	0.000	0.139	0.0424	0.0000	0.0000	0.00E+00	0.3286	0.0047	3.96E-08
228	0.52	0.000	0.231	0.0546	0.0000	0.0000	0.00E+00	0.3286	0.0047	3.96E-08
229	0.12	0.000	0.092	0.0558	0.0000	0.0000	0.00E+00	0.3286	0.0047	3.96E-08
230	0.00	0.000	0.136	0.0501	0.0000	0.0000	0.00E+00	0.3285	0.0047	3.95E-08
231	0.19	0.000	0.221	0.0489	0.0000	0.0000	0.00E+00	0.3285	0.0047	3.95E-08
232	0.23	0.000	0.201	0.0503	0.0000	0.0000	0.00E+00	0.3285	0.0047	3.95E-08
233	0.00	0.000	0.086	0.0467	0.0000	0.0000	0.00E+00	0.3284	0.0047	3.95E-08
234	0.00	0.000	0.139	0.0409	0.0000	0.0000	0.00E+00	0.3284	0.0047	3.95E-08
235	0.00	0.000	0.080	0.0376	0.0000	0.0000	0.00E+00	0.3284	0.0047	3.95E-08
236	0.00	0.000	0.089	0.0339	0.0000	0.0000	0.00E+00	0.3283	0.0047	3.95E-08
237	0.00	0.000	0.017	0.0332	0.0000	0.0000	0.00E+00	0.3283	0.0047	3.95E-08
238	0.06	0.000	0.052	0.0337	0.0000	0.0000	0.00E+00	0.3283	0.0047	3.95E-08
239	0.01	0.000	0.015	0.0334	0.0000	0.0000	0.00E+00	0.3282	0.0047	3.95E-08
240	0.18	0.000	0.039	0.0391	0.0000	0.0000	0.00E+00	0.3282	0.0046	3.95E-08
241	0.00	0.000	0.061	0.0366	0.0000	0.0000	0.00E+00	0.3282	0.0046	3.95E-08
242	0.07	0.000	0.073	0.0363	0.0000	0.0000	0.00E+00	0.3281	0.0046	3.95E-08
243	0.00	0.000	0.026	0.0352	0.0000	0.0000	0.00E+00	0.3281	0.0046	3.95E-08
244	0.00	0.000	0.031	0.0339	0.0000	0.0000	0.00E+00	0.3281	0.0046	3.95E-08
245	0.00	0.000	0.024	0.0329	0.0000	0.0000	0.00E+00	0.3280	0.0046	3.95E-08
246	0.12	0.000	0.039	0.0361	0.0000	0.0000	0.00E+00	0.3280	0.0046	3.95E-08
247	0.00	0.000	0.016	0.0354	0.0000	0.0000	0.00E+00	0.3280	0.0046	3.95E-08
248	0.25	0.000	0.078	0.0426	0.0000	0.0000	0.00E+00	0.3279	0.0046	3.95E-08
249	0.15	0.000	0.148	0.0426	0.0000	0.0000	0.00E+00	0.3279	0.0046	3.95E-08
250	0.01	0.000	0.103	0.0386	0.0000	0.0000	0.00E+00	0.3279	0.0046	3.95E-08
251	0.21	0.000	0.156	0.0409	0.0000	0.0000	0.00E+00	0.3279	0.0046	3.95E-08

252		0.00	0.000	0.126	0.0358	0.0000	0.0000	0.00E+00	0.3278	0.0046	3.95E-08
253		0.00	0.000	0.056	0.0334	0.0000	0.0000	0.00E+00	0.3278	0.0046	3.95E-08
254		0.00	0.000	0.011	0.0330	0.0000	0.0000	0.00E+00	0.3278	0.0046	3.95E-08
255	*	0.00	0.000	0.005	0.0328	0.0000	0.0000	0.00E+00	0.3277	0.0046	3.94E-08
256	*	0.21	0.000	0.030	0.0336	0.0000	0.0000	0.00E+00	0.3277	0.0046	3.94E-08
257		0.14	0.000	0.024	0.0450	0.0000	0.0000	0.00E+00	0.3277	0.0046	3.94E-08
258	*	0.00	0.000	0.034	0.0436	0.0000	0.0000	0.00E+00	0.3276	0.0046	3.94E-08
259		0.00	0.000	0.065	0.0409	0.0000	0.0000	0.00E+00	0.3276	0.0046	3.94E-08
260		0.02	0.000	0.089	0.0381	0.0000	0.0000	0.00E+00	0.3276	0.0046	3.94E-08
261		0.00	0.000	0.082	0.0347	0.0000	0.0000	0.00E+00	0.3275	0.0046	3.94E-08
262		0.00	0.000	0.031	0.0334	0.0000	0.0000	0.00E+00	0.3275	0.0046	3.94E-08
263		0.00	0.000	0.010	0.0329	0.0000	0.0000	0.00E+00	0.3275	0.0046	3.94E-08
264		0.00	0.000	0.003	0.0328	0.0000	0.0000	0.00E+00	0.3274	0.0046	3.94E-08
265		0.00	0.000	0.003	0.0327	0.0000	0.0000	0.00E+00	0.3274	0.0046	3.94E-08
266		0.00	0.000	0.001	0.0326	0.0000	0.0000	0.00E+00	0.3274	0.0046	3.94E-08
267	*	0.00	0.000	0.001	0.0326	0.0000	0.0000	0.00E+00	0.3273	0.0046	3.94E-08
268		0.00	0.000	0.001	0.0326	0.0000	0.0000	0.00E+00	0.3273	0.0046	3.94E-08
269		0.00	0.000	0.001	0.0325	0.0000	0.0000	0.00E+00	0.3273	0.0046	3.94E-08
270		0.31	0.000	0.037	0.0439	0.0000	0.0000	0.00E+00	0.3273	0.0046	3.94E-08
271	*	0.07	0.000	0.061	0.0444	0.0000	0.0000	0.00E+00	0.3272	0.0046	3.94E-08
272	*	0.13	0.000	0.024	0.0452	0.0000	0.0000	0.00E+00	0.3272	0.0046	3.94E-08
273	*	0.02	0.000	0.022	0.0460	0.0000	0.0000	0.00E+00	0.3272	0.0046	3.94E-08
274		0.06	0.000	0.077	0.0480	0.0000	0.0000	0.00E+00	0.3271	0.0046	3.94E-08
275	*	0.21	0.000	0.029	0.0488	0.0000	0.0000	0.00E+00	0.3271	0.0046	3.94E-08
276	*	0.00	0.000	0.041	0.0497	0.0000	0.0000	0.00E+00	0.3271	0.0046	3.94E-08
277	*	0.20	0.000	0.008	0.0505	0.0000	0.0000	0.00E+00	0.3270	0.0046	3.94E-08
278	*	0.06	0.000	0.000	0.0513	0.0000	0.0000	0.00E+00	0.3270	0.0046	3.94E-08
279	*	0.00	0.000	0.017	0.0521	0.0000	0.0000	0.00E+00	0.3270	0.0046	3.94E-08
280	*	0.37	0.000	0.007	0.0530	0.0000	0.0000	0.00E+00	0.3269	0.0046	3.94E-08
281		0.20	0.000	0.000	0.0872	0.0000	0.0000	0.00E+00	0.3269	0.0046	3.93E-08
282		0.34	0.000	0.108	0.0968	0.0000	0.0000	0.00E+00	0.3269	0.0046	3.93E-08
283		0.31	0.000	0.044	0.1079	0.0000	0.0000	0.00E+00	0.3268	0.0046	3.93E-08
284		0.00	0.000	0.027	0.1068	0.0000	0.0000	0.00E+00	0.3268	0.0046	3.93E-08
285	*	0.07	0.000	0.045	0.1077	0.0000	0.0000	0.00E+00	0.3268	0.0046	3.93E-08
286	*	0.16	0.000	0.014	0.1085	0.0000	0.0000	0.00E+00	0.3267	0.0046	3.93E-08
287		0.05	0.000	0.055	0.1138	0.0000	0.0000	0.00E+00	0.3267	0.0046	3.93E-08
288		0.47	0.000	0.074	0.1301	0.0000	0.0000	0.00E+00	0.3267	0.0046	3.93E-08

289		0.00	0.000	0.069	0.1272	0.0000	0.0000	0.00E+00	0.3266	0.0046	3.93E-08
290	*	0.00	0.000	0.025	0.1262	0.0000	0.0000	0.00E+00	0.3266	0.0046	3.93E-08
291		0.00	0.000	0.049	0.1241	0.0000	0.0000	0.00E+00	0.3266	0.0046	3.93E-08
292		0.00	0.000	0.157	0.1176	0.0000	0.0000	0.00E+00	0.3265	0.0046	3.93E-08
293		0.01	0.000	0.230	0.1084	0.0000	0.0000	0.00E+00	0.3265	0.0046	3.93E-08
294		0.09	0.000	0.309	0.0992	0.0000	0.0000	0.00E+00	0.3265	0.0046	3.93E-08
295		0.04	0.000	0.091	0.0968	0.0000	0.0000	0.00E+00	0.3264	0.0046	3.93E-08
296		0.04	0.000	0.054	0.0963	0.0145	0.0008	4.60E-07	0.3264	0.0046	3.93E-08
297	*	0.03	0.000	0.026	0.0962	0.0463	0.0025	1.44E-06	0.3264	0.0046	3.93E-08
298	*	0.10	0.000	0.017	0.0968	0.1006	0.0055	3.13E-06	0.3263	0.0046	3.93E-08
299		0.00	0.000	0.051	0.0968	0.1533	0.0084	4.78E-06	0.3263	0.0046	3.93E-08
300	*	0.00	0.000	0.000	0.0964	0.1935	0.0105	6.04E-06	0.3263	0.0046	3.93E-08
301	*	0.00	0.000	0.000	0.0959	0.2215	0.0121	6.91E-06	0.3263	0.0046	3.93E-08
302	*	0.20	0.000	0.021	0.0961	0.2394	0.0131	7.47E-06	0.3262	0.0046	3.93E-08
303	*	0.00	0.000	0.035	0.0964	0.2498	0.0136	7.79E-06	0.3262	0.0046	3.93E-08
304		0.00	0.000	0.042	0.0983	0.2544	0.0139	7.94E-06	0.3262	0.0046	3.93E-08
305		0.00	0.000	0.036	0.0962	0.2554	0.0139	7.97E-06	0.3262	0.0046	3.93E-08
306		0.00	0.000	0.035	0.0942	0.2514	0.0137	7.84E-06	0.3262	0.0046	3.93E-08
307		0.00	0.000	0.031	0.0924	0.2498	0.0136	7.80E-06	0.3261	0.0046	3.93E-08
308		0.00	0.000	0.028	0.0907	0.2429	0.0132	7.58E-06	0.3261	0.0046	3.93E-08
309		0.00	0.000	0.025	0.0891	0.2332	0.0127	7.28E-06	0.3261	0.0046	3.92E-08
310		0.05	0.000	0.037	0.0889	0.2228	0.0121	6.95E-06	0.3260	0.0046	3.92E-08
311		0.00	0.000	0.022	0.0875	0.2106	0.0115	6.57E-06	0.3260	0.0046	3.92E-08
312		0.00	0.000	0.021	0.0862	0.2012	0.0110	6.27E-06	0.3260	0.0046	3.92E-08
313		0.00	0.000	0.020	0.0849	0.1949	0.0106	6.08E-06	0.3259	0.0046	3.92E-08
314	*	0.00	0.000	0.000	0.0845	0.1867	0.0102	5.82E-06	0.3259	0.0046	3.92E-08
315	*	0.00	0.000	0.018	0.0834	0.1769	0.0096	5.52E-06	0.3259	0.0046	3.92E-08
316	*	0.00	0.000	0.000	0.0830	0.1704	0.0093	5.31E-06	0.3258	0.0046	3.92E-08
317		0.00	0.000	0.018	0.0818	0.1640	0.0089	5.11E-06	0.3258	0.0046	3.92E-08
318		0.00	0.000	0.018	0.0807	0.1546	0.0084	4.82E-06	0.3258	0.0046	3.92E-08
319		0.00	0.000	0.017	0.0797	0.1474	0.0080	4.59E-06	0.3257	0.0046	3.92E-08
320		0.00	0.000	0.016	0.0787	0.1424	0.0078	4.44E-06	0.3257	0.0046	3.92E-08
321		0.00	0.000	0.016	0.0777	0.1383	0.0075	4.31E-06	0.3256	0.0046	3.92E-08
322		0.00	0.000	0.016	0.0767	0.1363	0.0074	4.25E-06	0.3256	0.0046	3.92E-08
323		0.00	0.000	0.015	0.0758	0.1314	0.0072	4.09E-06	0.3255	0.0046	3.92E-08
324		0.00	0.000	0.015	0.0749	0.1272	0.0069	3.96E-06	0.3255	0.0046	3.92E-08
325		0.00	0.000	0.014	0.0741	0.1227	0.0067	3.82E-06	0.3255	0.0046	3.92E-08

326		0.00	0.000	0.014	0.0732	0.1215	0.0066	3.79E-06	0.3254	0.0046	3.92E-08
327	*	0.26	0.000	0.021	0.0738	0.1155	0.0063	3.60E-06	0.3254	0.0046	3.92E-08
328		0.23	0.000	0.000	0.0923	0.1052	0.0057	3.28E-06	0.3253	0.0046	3.92E-08
329	*	0.00	0.000	0.000	0.0921	0.0969	0.0053	3.02E-06	0.3253	0.0046	3.92E-08
330		0.00	0.000	0.014	0.0913	0.0912	0.0050	2.84E-06	0.3252	0.0046	3.91E-08
331		0.00	0.000	0.013	0.0905	0.0874	0.0048	2.72E-06	0.3252	0.0046	3.91E-08
332		0.06	0.000	0.023	0.0920	0.0835	0.0046	2.60E-06	0.3251	0.0046	3.91E-08
333	*	0.02	0.000	0.029	0.0913	0.0796	0.0043	2.48E-06	0.3251	0.0046	3.91E-08
334		0.00	0.000	0.015	0.0906	0.0757	0.0041	2.36E-06	0.3251	0.0046	3.91E-08
335		0.01	0.000	0.020	0.0903	0.0721	0.0039	2.25E-06	0.3250	0.0046	3.91E-08
336		0.01	0.000	0.018	0.0898	0.0688	0.0037	2.14E-06	0.3250	0.0046	3.91E-08
337	*	0.11	0.000	0.014	0.0904	0.0648	0.0035	2.02E-06	0.3249	0.0046	3.91E-08
338	*	0.04	0.000	0.005	0.0911	0.0602	0.0033	1.87E-06	0.3249	0.0046	3.91E-08
339	*	0.08	0.000	0.000	0.0918	0.0568	0.0031	1.77E-06	0.3248	0.0046	3.91E-08
340		0.00	0.000	0.010	0.0977	0.0543	0.0030	1.69E-06	0.3248	0.0046	3.91E-08
341		0.00	0.000	0.043	0.0957	0.0550	0.0030	1.71E-06	0.3247	0.0046	3.91E-08
342	*	0.00	0.000	0.018	0.0949	0.0574	0.0031	1.79E-06	0.3247	0.0046	3.91E-08
343		0.00	0.000	0.037	0.0932	0.0570	0.0031	1.77E-06	0.3247	0.0046	3.91E-08
344	*	0.15	0.000	0.015	0.0939	0.0521	0.0028	1.62E-06	0.3246	0.0046	3.91E-08
345		0.00	0.000	0.029	0.0973	0.0483	0.0026	1.50E-06	0.3246	0.0046	3.91E-08
346	*	0.00	0.000	0.005	0.0972	0.0456	0.0025	1.42E-06	0.3245	0.0046	3.91E-08
347	*	0.00	0.000	0.000	0.0971	0.0436	0.0024	1.36E-06	0.3245	0.0046	3.91E-08
348	*	0.00	0.000	0.000	0.0970	0.0422	0.0023	1.31E-06	0.3244	0.0046	3.91E-08
349	*	0.00	0.000	0.021	0.0961	0.0404	0.0022	1.26E-06	0.3244	0.0046	3.90E-08
350		0.00	0.000	0.038	0.0944	0.0371	0.0020	1.16E-06	0.3244	0.0046	3.90E-08
351		0.02	0.000	0.033	0.0937	0.0348	0.0019	1.08E-06	0.3243	0.0046	3.90E-08
352		0.04	0.000	0.050	0.0932	0.0338	0.0018	1.05E-06	0.3243	0.0046	3.90E-08
353		0.00	0.000	0.039	0.0916	0.0329	0.0018	1.03E-06	0.3242	0.0046	3.90E-08
354		0.00	0.000	0.036	0.0900	0.0377	0.0021	1.18E-06	0.3242	0.0046	3.90E-08
355	*	0.01	0.000	0.008	0.0899	0.0429	0.0023	1.33E-06	0.3241	0.0046	3.90E-08
356	*	0.00	0.000	0.000	0.0898	0.0442	0.0024	1.38E-06	0.3241	0.0046	3.90E-08
357	*	0.00	0.000	0.000	0.0897	0.0450	0.0025	1.40E-06	0.3241	0.0046	3.90E-08
358	*	0.00	0.000	0.000	0.0896	0.0454	0.0025	1.41E-06	0.3240	0.0046	3.90E-08
359	*	0.07	0.000	0.016	0.0903	0.0453	0.0025	1.41E-06	0.3240	0.0046	3.90E-08
360		0.02	0.000	0.037	0.0911	0.0450	0.0025	1.40E-06	0.3239	0.0046	3.90E-08
361		0.08	0.000	0.042	0.0927	0.0428	0.0023	1.33E-06	0.3239	0.0046	3.90E-08
362		0.04	0.000	0.034	0.0930	0.0390	0.0021	1.22E-06	0.3239	0.0046	3.90E-08

363	*	0.00	0.000	0.000	0.0929	0.0381	0.0021	1.19E-06	0.3238	0.0046	3.90E-08
364		0.06	0.000	0.030	0.0942	0.0387	0.0021	1.21E-06	0.3238	0.0046	3.90E-08
365		0.00	0.000	0.043	0.0923	0.0375	0.0020	1.17E-06	0.3238	0.0046	3.90E-08

* = Frozen (air or soil)

Annual Totals for Year 12			
	inches	cubic feet	percent
Precipitation	26.94	822,358.2	100.00
Runoff	0.213	6,488.7	0.79
Evapotranspiration	24.594	750,807.7	91.30
Drainage Collected from Layer 2	3.0138	92,006.3	11.19
Percolation/Leakage through Layer 3	0.001731	52.8	0.01
Average Head on Top of Layer 3	0.1511	---	---
Drainage Collected from Layer 5	1.7153	52,364.4	6.37
Percolation/Leakage through Layer 7	0.000015	0.4449	0.00
Average Head on Top of Layer 6	0.3308	---	---
Change in Water Storage	-2.5979	-79,309.3	-9.64
Soil Water at Start of Year	307.8799	9,399,049.5	1142.94
Soil Water at End of Year	305.2820	9,319,740.3	1133.29
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 13

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1			0.02	0.000	0.038	0.0915	0.0360	0.0020	1.12E-06	0.3237	0.0046	3.90E-08
2	*		0.05	0.000	0.011	0.0922	0.0350	0.0019	1.09E-06	0.3236	0.0046	3.90E-08
3	*		0.11	0.000	0.011	0.0929	0.0364	0.0020	1.13E-06	0.3236	0.0046	3.89E-08
4	*		0.00	0.000	0.026	0.0937	0.0372	0.0020	1.16E-06	0.3236	0.0046	3.89E-08
5	*		0.02	0.000	0.021	0.0944	0.0376	0.0020	1.17E-06	0.3235	0.0046	3.89E-08
6	*	*	0.04	0.000	0.007	0.0943	0.0356	0.0019	1.11E-06	0.3235	0.0046	3.89E-08
7	*	*	0.01	0.000	0.013	0.0943	0.0307	0.0017	9.58E-07	0.3234	0.0046	3.89E-08
8		*	0.05	0.000	0.022	0.0975	0.0264	0.0014	8.27E-07	0.3234	0.0046	3.89E-08
9		*	0.00	0.000	0.000	0.0975	0.0228	0.0012	7.14E-07	0.3234	0.0046	3.89E-08
10		*	0.01	0.000	0.006	0.0977	0.0196	0.0011	6.17E-07	0.3233	0.0046	3.89E-08
11		*	0.00	0.000	0.002	0.0977	0.0169	0.0009	5.33E-07	0.3233	0.0046	3.89E-08
12	*	*	0.00	0.000	0.001	0.0977	0.0145	0.0008	4.61E-07	0.3233	0.0046	3.89E-08
13	*	*	0.00	0.000	0.000	0.0976	0.0125	0.0007	3.99E-07	0.3232	0.0046	3.89E-08
14	*	*	0.00	0.000	0.000	0.0976	0.0108	0.0006	3.45E-07	0.3232	0.0046	3.89E-08
15		*	0.02	0.000	0.006	0.0981	0.0093	0.0005	2.99E-07	0.3231	0.0046	3.89E-08
16		*	0.00	0.000	0.001	0.0981	0.0080	0.0004	2.60E-07	0.3231	0.0046	3.89E-08
17	*	*	0.00	0.000	0.000	0.0981	0.0069	0.0004	2.26E-07	0.3231	0.0046	3.89E-08
18	*	*	0.00	0.000	0.000	0.0981	0.0059	0.0003	1.96E-07	0.3230	0.0046	3.89E-08
19		*	0.00	0.000	0.000	0.0980	0.0051	0.0003	1.71E-07	0.3230	0.0046	3.89E-08
20		*	0.00	0.000	0.000	0.0980	0.0044	0.0002	1.49E-07	0.3229	0.0046	3.89E-08
21	*	*	0.00	0.000	0.000	0.0980	0.0038	0.0002	1.30E-07	0.3229	0.0046	3.89E-08
22	*	*	0.00	0.000	0.000	0.0980	0.0033	0.0002	1.14E-07	0.3229	0.0046	3.89E-08
23	*	*	0.02	0.000	0.008	0.0980	0.0028	0.0002	1.00E-07	0.3228	0.0046	3.89E-08
24	*	*	0.13	0.000	0.008	0.0980	0.0024	0.0001	8.82E-08	0.3228	0.0046	3.89E-08
25	*	*	0.01	0.000	0.000	0.0980	0.0021	0.0001	7.50E-08	0.3228	0.0046	3.88E-08
26	*	*	0.00	0.000	0.026	0.0980	0.0018	0.0001	6.88E-08	0.3227	0.0046	3.88E-08
27		*	0.00	0.000	0.041	0.1010	0.0015	0.0001	6.12E-08	0.3227	0.0046	3.88E-08
28	*	*	0.00	0.000	0.000	0.1009	0.0013	0.0001	5.46E-08	0.3226	0.0046	3.88E-08
29	*	*	0.04	0.000	0.010	0.1009	0.0011	0.0001	4.89E-08	0.3226	0.0046	3.88E-08

30	*	*	0.08	0.000	0.000	0.1009	0.0010	0.0001	4.40E-08	0.3226	0.0046	3.88E-08
31		*	0.02	0.000	0.042	0.1046	0.0009	0.0000	3.98E-08	0.3225	0.0046	3.88E-08
32		*	0.00	0.000	0.000	0.1046	0.0007	0.0000	3.61E-08	0.3225	0.0046	3.88E-08
33		*	0.00	0.000	0.000	0.1046	0.0006	0.0000	3.30E-08	0.3225	0.0046	3.88E-08
34		*	0.00	0.000	0.000	0.1046	0.0005	0.0000	3.03E-08	0.3224	0.0046	3.88E-08
35		*	0.00	0.000	0.000	0.1046	0.0005	0.0000	2.80E-08	0.3224	0.0046	3.88E-08
36		*	0.00	0.000	0.000	0.1046	0.0004	0.0000	2.60E-08	0.3224	0.0046	3.88E-08
37		*	0.00	0.000	0.000	0.1046	0.0003	0.0000	2.43E-08	0.3223	0.0046	3.88E-08
38		*	0.09	0.000	0.006	0.1081	0.0003	0.0000	2.28E-08	0.3223	0.0046	3.88E-08
39	*	*	0.04	0.000	0.029	0.1081	0.0003	0.0000	2.15E-08	0.3222	0.0046	3.88E-08
40	*	*	0.00	0.000	0.013	0.1081	0.0002	0.0000	2.04E-08	0.3222	0.0046	3.88E-08
41	*	*	0.00	0.000	0.001	0.1081	0.0002	0.0000	1.95E-08	0.3222	0.0046	3.88E-08
42	*	*	0.00	0.000	0.000	0.1081	0.0002	0.0000	1.87E-08	0.3221	0.0046	3.88E-08
43	*	*	0.00	0.000	0.000	0.1080	0.0001	0.0000	1.80E-08	0.3221	0.0046	3.88E-08
44	*	*	0.05	0.000	0.026	0.1080	0.0001	0.0000	1.74E-08	0.3221	0.0046	3.88E-08
45		*	0.00	0.000	0.027	0.1080	0.0001	0.0000	1.68E-08	0.3220	0.0046	3.88E-08
46		*	0.00	0.000	0.000	0.1080	0.0001	0.0000	1.64E-08	0.3220	0.0046	3.88E-08
47		*	0.04	0.000	0.005	0.1094	0.0001	0.0000	1.60E-08	0.3220	0.0046	3.88E-08
48		*	0.00	0.000	0.000	0.1094	0.0001	0.0000	1.57E-08	0.3219	0.0046	3.87E-08
49	*	*	0.08	0.000	0.023	0.1094	0.0001	0.0000	1.54E-08	0.3219	0.0046	3.87E-08
50		*	0.04	0.000	0.052	0.1111	0.0000	0.0000	1.51E-08	0.3219	0.0046	3.87E-08
51	*	*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.49E-08	0.3218	0.0046	3.87E-08
52		*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.47E-08	0.3218	0.0046	3.87E-08
53	*	*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.46E-08	0.3218	0.0046	3.87E-08
54		*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.44E-08	0.3217	0.0046	3.87E-08
55		*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.43E-08	0.3217	0.0046	3.87E-08
56		*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.42E-08	0.3216	0.0046	3.87E-08
57		*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.41E-08	0.3216	0.0046	3.87E-08
58	*	*	0.00	0.000	0.000	0.1111	0.0000	0.0000	1.41E-08	0.3216	0.0046	3.87E-08
59	*	*	0.12	0.000	0.034	0.1111	0.0000	0.0000	1.40E-08	0.3215	0.0046	3.87E-08
60	*	*	0.00	0.000	0.018	0.1111	0.0000	0.0000	1.39E-08	0.3215	0.0046	3.87E-08
61		*	0.00	0.000	0.044	0.1120	0.0000	0.0000	1.39E-08	0.3215	0.0046	3.87E-08
62		*	0.05	0.000	0.005	0.1140	0.0000	0.0000	1.39E-08	0.3214	0.0046	3.87E-08
63	*	*	0.01	0.000	0.013	0.1140	0.0000	0.0000	1.38E-08	0.3214	0.0046	3.87E-08
64	*	*	0.11	0.000	0.005	0.1140	0.0000	0.0000	1.38E-08	0.3214	0.0046	3.87E-08
65	*	*	0.03	0.000	0.004	0.1140	0.0000	0.0000	1.38E-08	0.3213	0.0046	3.87E-08
66	*	*	0.00	0.000	0.014	0.1140	0.0000	0.0000	1.37E-08	0.3213	0.0046	3.87E-08

67		*	0.00	0.000	0.043	0.1172	0.0000	0.0000	1.37E-08	0.3213	0.0046	3.87E-08
68	*	*	0.00	0.000	0.000	0.1172	0.0000	0.0000	1.37E-08	0.3212	0.0046	3.87E-08
69		*	0.00	0.000	0.000	0.1172	0.0000	0.0000	1.37E-08	0.3212	0.0046	3.87E-08
70		*	0.00	0.000	0.000	0.1172	0.0000	0.0000	1.37E-08	0.3211	0.0045	3.87E-08
71		*	0.00	0.000	0.000	0.1172	0.0000	0.0000	1.37E-08	0.3211	0.0045	3.86E-08
72		*	0.00	0.000	0.000	0.1172	0.0000	0.0000	1.37E-08	0.3211	0.0045	3.86E-08
73		*	0.00	0.000	0.000	0.1172	0.0000	0.0000	1.36E-08	0.3210	0.0045	3.86E-08
74		*	0.00	0.000	0.001	0.1172	0.0000	0.0000	1.36E-08	0.3210	0.0045	3.86E-08
75		*	0.67	0.172	0.005	0.1376	0.0000	0.0000	1.36E-08	0.3210	0.0045	3.86E-08
76		*	0.06	0.000	0.005	0.1398	0.0000	0.0000	1.36E-08	0.3209	0.0045	3.86E-08
77		*	0.09	0.000	0.005	0.1436	0.0000	0.0000	1.36E-08	0.3209	0.0045	3.86E-08
78		*	0.00	0.000	0.000	0.1436	0.0000	0.0000	1.36E-08	0.3209	0.0045	3.86E-08
79			0.00	0.000	0.091	0.1397	0.0014	0.0001	5.55E-08	0.3208	0.0045	3.86E-08
80			0.00	0.000	0.113	0.1343	0.3321	0.0181	1.04E-05	0.3208	0.0045	3.86E-08
81	*		0.00	0.000	0.039	0.1313	0.5810	0.0317	1.82E-05	0.3208	0.0045	3.86E-08
82			0.00	0.000	0.071	0.1267	0.7049	0.0384	2.21E-05	0.3208	0.0045	3.86E-08
83			0.00	0.000	0.194	0.1169	0.7848	0.0428	2.46E-05	0.3208	0.0045	3.86E-08
84			0.16	0.000	0.296	0.1093	0.8270	0.0451	2.60E-05	0.3208	0.0045	3.86E-08
85			0.08	0.000	0.069	0.1081	0.7784	0.0424	2.44E-05	0.3209	0.0045	3.86E-08
86			0.02	0.000	0.058	0.1047	0.7399	0.0403	2.32E-05	0.3209	0.0045	3.86E-08
87			0.00	0.000	0.044	0.1014	0.7224	0.0394	2.27E-05	0.3209	0.0045	3.86E-08
88	*		0.16	0.000	0.041	0.1006	0.6979	0.0380	2.19E-05	0.3209	0.0045	3.86E-08
89			0.01	0.000	0.086	0.1002	0.6598	0.0360	2.07E-05	0.3208	0.0045	3.86E-08
90			0.17	0.000	0.039	0.1043	0.6191	0.0337	1.94E-05	0.3208	0.0045	3.86E-08
91			0.00	0.000	0.228	0.0935	0.5850	0.0319	1.83E-05	0.3208	0.0045	3.86E-08
92			1.05	0.000	0.035	0.1345	0.5363	0.0292	1.68E-05	0.3208	0.0045	3.86E-08
93			0.00	0.000	0.123	0.1283	0.4750	0.0259	1.49E-05	0.3207	0.0045	3.86E-08
94			0.08	0.000	0.365	0.1156	0.4169	0.0227	1.30E-05	0.3207	0.0045	3.86E-08
95			0.07	0.000	0.240	0.1077	0.3901	0.0213	1.22E-05	0.3206	0.0045	3.86E-08
96			1.08	0.000	0.134	0.1461	0.3976	0.0217	1.24E-05	0.3206	0.0045	3.86E-08
97			0.00	0.000	0.217	0.1362	0.3798	0.0207	1.19E-05	0.3205	0.0045	3.86E-08
98	*		0.00	0.000	0.089	0.1316	0.3595	0.0196	1.12E-05	0.3205	0.0045	3.86E-08
99	*		0.00	0.000	0.000	0.1309	0.3149	0.0172	9.83E-06	0.3204	0.0045	3.86E-08
100	*		0.00	0.000	0.001	0.1303	0.2793	0.0152	8.72E-06	0.3204	0.0045	3.86E-08
101	*		0.09	0.000	0.033	0.1304	0.3334	0.0182	1.04E-05	0.3203	0.0045	3.86E-08
102	*		0.84	0.000	0.013	0.1302	0.4219	0.0230	1.32E-05	0.3203	0.0045	3.85E-08
103	*		0.00	0.000	0.033	0.1299	0.4846	0.0264	1.52E-05	0.3202	0.0045	3.85E-08

104		0.00	0.000	0.000	0.1618	0.5223	0.0285	1.63E-05	0.3202	0.0045	3.85E-08
105	*	0.00	0.000	0.000	0.1605	0.5688	0.0310	1.78E-05	0.3201	0.0045	3.85E-08
106	*	0.00	0.000	0.000	0.1586	0.8234	0.0449	2.59E-05	0.3201	0.0045	3.85E-08
107		0.00	0.000	0.088	0.1525	1.0578	0.0577	3.33E-05	0.3201	0.0045	3.85E-08
108		0.01	0.000	0.128	0.1449	1.1754	0.0641	3.70E-05	0.3201	0.0045	3.85E-08
109		0.00	0.000	0.141	0.1363	1.1990	0.0654	3.78E-05	0.3201	0.0045	3.85E-08
110	*	0.00	0.000	0.000	0.1336	1.1936	0.0651	3.76E-05	0.3201	0.0045	3.85E-08
111		0.00	0.000	0.116	0.1262	1.1257	0.0614	3.54E-05	0.3201	0.0045	3.85E-08
112		0.07	0.000	0.271	0.1155	1.0505	0.0573	3.31E-05	0.3201	0.0045	3.85E-08
113		0.27	0.000	0.134	0.1190	1.0043	0.0547	3.16E-05	0.3200	0.0045	3.85E-08
114		0.01	0.000	0.167	0.1104	0.9106	0.0496	2.86E-05	0.3200	0.0045	3.85E-08
115		0.02	0.000	0.057	0.1068	0.8229	0.0449	2.58E-05	0.3200	0.0045	3.85E-08
116		0.04	0.000	0.045	0.1047	0.7492	0.0408	2.35E-05	0.3199	0.0045	3.85E-08
117	*	0.00	0.000	0.037	0.1017	0.6937	0.0378	2.18E-05	0.3199	0.0045	3.85E-08
118	*	0.00	0.000	0.031	0.0990	0.6496	0.0354	2.04E-05	0.3198	0.0045	3.85E-08
119	*	0.00	0.000	0.000	0.0976	0.6091	0.0332	1.91E-05	0.3197	0.0045	3.85E-08
120	*	0.00	0.000	0.028	0.0951	0.5674	0.0309	1.78E-05	0.3197	0.0045	3.85E-08
121	*	0.00	0.000	0.025	0.0929	0.5265	0.0287	1.65E-05	0.3196	0.0045	3.85E-08
122		0.21	0.000	0.027	0.0995	0.4851	0.0264	1.52E-05	0.3195	0.0045	3.85E-08
123		0.00	0.000	0.022	0.0975	0.4456	0.0243	1.39E-05	0.3194	0.0045	3.84E-08
124		0.00	0.000	0.021	0.0957	0.4067	0.0222	1.27E-05	0.3193	0.0045	3.84E-08
125	*	0.00	0.000	0.020	0.0940	0.3736	0.0204	1.17E-05	0.3193	0.0045	3.84E-08
126	*	0.00	0.000	0.000	0.0933	0.3454	0.0188	1.08E-05	0.3192	0.0045	3.84E-08
127	*	0.08	0.000	0.099	0.0917	0.3194	0.0174	9.98E-06	0.3191	0.0045	3.84E-08
128		0.00	0.000	0.018	0.0903	0.2968	0.0162	9.27E-06	0.3190	0.0045	3.84E-08
129		0.07	0.000	0.021	0.0917	0.2746	0.0150	8.57E-06	0.3189	0.0045	3.84E-08
130		0.37	0.000	0.021	0.1054	0.2537	0.0138	7.92E-06	0.3189	0.0045	3.84E-08
131		0.00	0.000	0.180	0.0974	0.2401	0.0131	7.49E-06	0.3188	0.0045	3.84E-08
132	*	0.16	0.000	0.044	0.0977	0.2245	0.0122	7.00E-06	0.3187	0.0045	3.84E-08
133	*	0.04	0.000	0.000	0.0981	0.1973	0.0108	6.15E-06	0.3186	0.0045	3.83E-08
134		0.00	0.000	0.126	0.0969	0.1781	0.0097	5.55E-06	0.3185	0.0045	3.83E-08
135		0.00	0.000	0.176	0.0892	0.1603	0.0087	5.00E-06	0.3185	0.0045	3.83E-08
136		0.06	0.000	0.134	0.0857	0.1404	0.0077	4.38E-06	0.3184	0.0045	3.83E-08
137		0.12	0.000	0.058	0.0881	0.1336	0.0073	4.16E-06	0.3183	0.0045	3.83E-08
138		0.01	0.000	0.045	0.0864	0.1347	0.0073	4.20E-06	0.3182	0.0045	3.83E-08
139		0.17	0.000	0.039	0.0914	0.1369	0.0075	4.27E-06	0.3182	0.0045	3.83E-08
140		0.34	0.000	0.036	0.1040	0.1340	0.0073	4.18E-06	0.3181	0.0045	3.83E-08

141	0.56	0.000	0.147	0.1208	0.1255	0.0068	3.91E-06	0.3180	0.0045	3.83E-08
142	0.10	0.000	0.171	0.1175	0.1111	0.0061	3.46E-06	0.3180	0.0045	3.83E-08
143	0.70	0.000	0.279	0.1347	0.1063	0.0058	3.31E-06	0.3179	0.0045	3.83E-08
144	0.07	0.000	0.296	0.1252	0.1134	0.0062	3.53E-06	0.3178	0.0045	3.83E-08
145	0.37	0.000	0.117	0.1356	0.1251	0.0068	3.90E-06	0.3178	0.0045	3.82E-08
146	0.00	0.000	0.329	0.1216	0.1273	0.0069	3.97E-06	0.3177	0.0045	3.82E-08
147	0.04	0.000	0.281	0.1112	0.1188	0.0065	3.70E-06	0.3177	0.0045	3.82E-08
148	0.32	0.000	0.136	0.1184	0.1239	0.0068	3.86E-06	0.3176	0.0045	3.82E-08
149	0.00	0.000	0.391	0.1018	0.1276	0.0070	3.98E-06	0.3176	0.0045	3.82E-08
150	0.00	0.000	0.060	0.0990	0.1220	0.0067	3.80E-06	0.3175	0.0045	3.82E-08
151	0.00	0.000	0.049	0.0968	0.1116	0.0061	3.48E-06	0.3175	0.0045	3.82E-08
152	0.05	0.000	0.045	0.0969	0.0955	0.0052	2.97E-06	0.3174	0.0045	3.82E-08
153	0.68	0.000	0.037	0.1233	0.0818	0.0045	2.55E-06	0.3174	0.0045	3.82E-08
154	0.03	0.000	0.145	0.1184	0.0788	0.0043	2.45E-06	0.3173	0.0045	3.82E-08
155	0.00	0.000	0.115	0.1136	0.0825	0.0045	2.57E-06	0.3173	0.0045	3.82E-08
156	0.00	0.000	0.245	0.1031	0.1009	0.0055	3.14E-06	0.3172	0.0045	3.82E-08
157	1.04	0.000	0.093	0.1422	0.1092	0.0060	3.40E-06	0.3172	0.0045	3.82E-08
158	0.00	0.000	0.190	0.1340	0.1365	0.0074	4.25E-06	0.3171	0.0045	3.82E-08
159	0.00	0.000	0.114	0.1289	0.1564	0.0085	4.88E-06	0.3171	0.0045	3.82E-08
160	0.00	0.000	0.113	0.1238	0.1510	0.0082	4.71E-06	0.3171	0.0045	3.82E-08
161	0.07	0.000	0.113	0.1217	0.2296	0.0125	7.16E-06	0.3170	0.0045	3.82E-08
162	0.13	0.000	0.103	0.1220	0.3420	0.0186	1.07E-05	0.3170	0.0045	3.81E-08
163	0.00	0.000	0.299	0.1086	0.4353	0.0237	1.36E-05	0.3170	0.0045	3.81E-08
164	0.03	0.000	0.141	0.1029	0.4683	0.0255	1.46E-05	0.3170	0.0045	3.81E-08
165	0.44	0.000	0.063	0.1175	0.5231	0.0285	1.64E-05	0.3169	0.0045	3.81E-08
166	0.19	0.000	0.166	0.1174	0.5277	0.0288	1.65E-05	0.3169	0.0045	3.81E-08
167	0.83	0.000	0.138	0.1449	0.5131	0.0280	1.61E-05	0.3169	0.0045	3.81E-08
168	0.89	0.000	0.149	0.1745	0.4845	0.0264	1.52E-05	0.3169	0.0045	3.81E-08
169	0.03	0.000	0.191	0.1657	0.8600	0.0469	2.70E-05	0.3169	0.0045	3.81E-08
170	0.00	0.000	0.212	0.1538	1.3495	0.0736	4.26E-05	0.3169	0.0045	3.81E-08
171	0.00	0.000	0.288	0.1383	1.5505	0.0845	4.90E-05	0.3170	0.0045	3.81E-08
172	0.07	0.000	0.148	0.1314	1.5518	0.0846	4.91E-05	0.3170	0.0045	3.82E-08
173	0.06	0.000	0.072	0.1277	1.4471	0.0789	4.57E-05	0.3171	0.0045	3.82E-08
174	1.19	0.000	0.053	0.1722	1.3609	0.0742	4.29E-05	0.3171	0.0045	3.82E-08
175	0.14	0.000	0.134	0.1696	1.2698	0.0692	4.00E-05	0.3171	0.0045	3.82E-08
176	0.10	0.000	0.129	0.1651	1.4192	0.0774	4.48E-05	0.3171	0.0045	3.82E-08
177	0.00	0.000	0.133	0.1561	1.5232	0.0830	4.81E-05	0.3171	0.0045	3.82E-08

178	0.00	0.000	0.182	0.1451	1.5123	0.0824	4.78E-05	0.3171	0.0045	3.82E-08
179	0.00	0.000	0.285	0.1299	1.4365	0.0783	4.54E-05	0.3171	0.0045	3.82E-08
180	0.12	0.000	0.154	0.1255	1.3836	0.0754	4.37E-05	0.3171	0.0045	3.82E-08
181	0.00	0.000	0.072	0.1196	1.2642	0.0689	3.99E-05	0.3171	0.0045	3.82E-08
182	0.00	0.000	0.069	0.1142	1.1368	0.0620	3.58E-05	0.3171	0.0045	3.82E-08
183	0.28	0.000	0.070	0.1205	1.0065	0.0549	3.17E-05	0.3170	0.0045	3.82E-08
184	0.00	0.000	0.233	0.1088	0.8978	0.0489	2.82E-05	0.3170	0.0045	3.81E-08
185	0.00	0.000	0.051	0.1047	0.8226	0.0448	2.58E-05	0.3169	0.0045	3.81E-08
186	0.00	0.000	0.043	0.1012	0.7533	0.0411	2.36E-05	0.3169	0.0045	3.81E-08
187	0.00	0.000	0.042	0.0979	0.7011	0.0382	2.20E-05	0.3168	0.0045	3.81E-08
188	0.00	0.000	0.048	0.0944	0.6510	0.0355	2.04E-05	0.3167	0.0045	3.81E-08
189	0.17	0.000	0.068	0.0974	0.6071	0.0331	1.90E-05	0.3166	0.0045	3.81E-08
190	0.00	0.000	0.060	0.0937	0.5565	0.0303	1.74E-05	0.3165	0.0045	3.81E-08
191	0.00	0.000	0.054	0.0903	0.5073	0.0277	1.59E-05	0.3165	0.0045	3.81E-08
192	0.11	0.000	0.065	0.0911	0.4693	0.0256	1.47E-05	0.3164	0.0045	3.81E-08
193	0.00	0.000	0.068	0.0873	0.4271	0.0233	1.34E-05	0.3163	0.0045	3.81E-08
194	0.00	0.000	0.045	0.0845	0.3843	0.0209	1.20E-05	0.3162	0.0045	3.81E-08
195	0.00	0.000	0.078	0.0805	0.3524	0.0192	1.10E-05	0.3161	0.0045	3.80E-08
196	0.00	0.000	0.070	0.0768	0.3092	0.0169	9.66E-06	0.3160	0.0045	3.80E-08
197	0.23	0.000	0.046	0.0841	0.2759	0.0150	8.61E-06	0.3159	0.0045	3.80E-08
198	0.00	0.000	0.302	0.0709	0.2458	0.0134	7.67E-06	0.3158	0.0045	3.80E-08
199	0.00	0.000	0.077	0.0672	0.2196	0.0120	6.85E-06	0.3157	0.0045	3.80E-08
200	0.00	0.000	0.049	0.0647	0.2149	0.0117	6.70E-06	0.3157	0.0045	3.80E-08
201	0.00	0.000	0.046	0.0623	0.2056	0.0112	6.41E-06	0.3156	0.0045	3.80E-08
202	0.00	0.000	0.083	0.0585	0.1849	0.0101	5.77E-06	0.3155	0.0045	3.80E-08
203	0.00	0.000	0.052	0.0561	0.1785	0.0097	5.57E-06	0.3154	0.0045	3.80E-08
204	0.15	0.000	0.116	0.0569	0.2432	0.0133	7.59E-06	0.3153	0.0045	3.79E-08
205	0.58	0.000	0.063	0.0778	0.2985	0.0163	9.32E-06	0.3153	0.0045	3.79E-08
206	0.00	0.000	0.269	0.0659	0.3119	0.0170	9.74E-06	0.3152	0.0045	3.79E-08
207	0.38	0.000	0.131	0.0757	0.2832	0.0154	8.84E-06	0.3152	0.0045	3.79E-08
208	0.50	0.000	0.271	0.0847	0.2425	0.0132	7.57E-06	0.3151	0.0045	3.79E-08
209	0.56	0.000	0.252	0.0969	0.2069	0.0113	6.45E-06	0.3150	0.0045	3.79E-08
210	0.72	0.000	0.266	0.1155	0.1687	0.0092	5.26E-06	0.3150	0.0045	3.79E-08
211	0.00	0.000	0.261	0.1043	0.1320	0.0072	4.11E-06	0.3149	0.0045	3.79E-08
212	0.00	0.000	0.342	0.0898	0.1166	0.0064	3.63E-06	0.3148	0.0045	3.79E-08
213	0.00	0.000	0.324	0.0761	0.0916	0.0050	2.85E-06	0.3148	0.0045	3.79E-08
214	0.00	0.000	0.228	0.0664	0.0650	0.0035	2.02E-06	0.3147	0.0045	3.79E-08

215	0.00	0.000	0.106	0.0619	0.0378	0.0021	1.18E-06	0.3147	0.0045	3.79E-08
216	0.00	0.000	0.161	0.0551	0.0281	0.0015	8.78E-07	0.3146	0.0045	3.79E-08
217	0.76	0.000	0.142	0.0809	0.0500	0.0027	1.56E-06	0.3145	0.0045	3.79E-08
218	0.00	0.000	0.295	0.0684	0.0947	0.0052	2.95E-06	0.3145	0.0045	3.78E-08
219	0.00	0.000	0.159	0.0615	0.0972	0.0053	3.03E-06	0.3144	0.0045	3.78E-08
220	0.00	0.000	0.170	0.0543	0.0725	0.0039	2.26E-06	0.3144	0.0045	3.78E-08
221	0.00	0.000	0.157	0.0476	0.0508	0.0028	1.58E-06	0.3143	0.0045	3.78E-08
222	0.03	0.000	0.176	0.0413	0.0324	0.0018	1.01E-06	0.3143	0.0045	3.78E-08
223	0.13	0.000	0.116	0.0418	0.0055	0.0003	1.71E-07	0.3142	0.0045	3.78E-08
224	0.17	0.000	0.085	0.0452	0.0000	0.0000	0.00E+00	0.3142	0.0045	3.78E-08
225	0.94	0.000	0.071	0.0815	0.0000	0.0000	0.00E+00	0.3141	0.0045	3.78E-08
226	0.00	0.000	0.091	0.0778	0.0000	0.0000	0.00E+00	0.3141	0.0045	3.78E-08
227	0.00	0.000	0.116	0.0729	0.0000	0.0000	0.00E+00	0.3141	0.0044	3.78E-08
228	0.00	0.000	0.105	0.0685	0.0000	0.0000	0.00E+00	0.3140	0.0044	3.78E-08
229	0.00	0.000	0.101	0.0644	0.0000	0.0000	0.00E+00	0.3140	0.0044	3.78E-08
230	0.00	0.000	0.095	0.0604	0.0000	0.0000	0.00E+00	0.3139	0.0044	3.78E-08
231	0.00	0.000	0.118	0.0555	0.0000	0.0000	0.00E+00	0.3139	0.0044	3.78E-08
232	0.00	0.000	0.104	0.0512	0.0000	0.0000	0.00E+00	0.3139	0.0044	3.78E-08
233	0.00	0.000	0.117	0.0463	0.0000	0.0000	0.00E+00	0.3138	0.0044	3.78E-08
234	1.04	0.000	0.183	0.0819	0.0000	0.0000	0.00E+00	0.3138	0.0044	3.78E-08
235	0.00	0.000	0.169	0.0748	0.0000	0.0000	0.00E+00	0.3138	0.0044	3.78E-08
236	0.00	0.000	0.088	0.0712	0.0000	0.0000	0.00E+00	0.3137	0.0044	3.78E-08
237	0.08	0.000	0.083	0.0709	0.0000	0.0000	0.00E+00	0.3137	0.0044	3.78E-08
238	0.00	0.000	0.103	0.0666	0.0000	0.0000	0.00E+00	0.3137	0.0044	3.77E-08
239	0.80	0.000	0.226	0.0904	0.0000	0.0000	0.00E+00	0.3137	0.0044	3.77E-08
240	0.00	0.000	0.201	0.0820	0.0000	0.0000	0.00E+00	0.3136	0.0044	3.77E-08
241	0.14	0.000	0.189	0.0800	0.0000	0.0000	0.00E+00	0.3136	0.0044	3.77E-08
242	0.21	0.000	0.113	0.0838	0.0000	0.0000	0.00E+00	0.3136	0.0044	3.77E-08
243	0.49	0.000	0.177	0.0969	0.0000	0.0000	0.00E+00	0.3135	0.0044	3.77E-08
244	0.74	0.000	0.195	0.1198	0.0000	0.0000	0.00E+00	0.3135	0.0044	3.77E-08
245	0.00	0.000	0.124	0.1146	0.0000	0.0000	0.00E+00	0.3135	0.0044	3.77E-08
246	0.00	0.000	0.110	0.1100	0.0000	0.0000	0.00E+00	0.3135	0.0044	3.77E-08
247	0.00	0.000	0.139	0.1042	0.0000	0.0000	0.00E+00	0.3135	0.0044	3.77E-08
248	0.00	0.000	0.107	0.0998	0.0000	0.0000	0.00E+00	0.3134	0.0044	3.77E-08
249	0.00	0.000	0.055	0.0974	0.0195	0.0011	6.12E-07	0.3134	0.0044	3.77E-08
250	0.00	0.000	0.106	0.0928	0.1156	0.0063	3.60E-06	0.3134	0.0044	3.77E-08
251	0.00	0.000	0.094	0.0884	0.1860	0.0101	5.80E-06	0.3134	0.0044	3.77E-08

252		0.04	0.000	0.076	0.0866	0.2270	0.0124	7.08E-06	0.3134	0.0044	3.77E-08
253		0.00	0.000	0.044	0.0842	0.2425	0.0132	7.57E-06	0.3134	0.0044	3.77E-08
254		0.46	0.000	0.058	0.1002	0.2546	0.0139	7.94E-06	0.3134	0.0044	3.77E-08
255		0.07	0.000	0.137	0.0968	0.2699	0.0147	8.42E-06	0.3134	0.0044	3.77E-08
256		0.05	0.000	0.118	0.0935	0.2957	0.0161	9.23E-06	0.3133	0.0044	3.77E-08
257		0.00	0.000	0.121	0.0878	0.3077	0.0168	9.61E-06	0.3133	0.0044	3.77E-08
258		0.06	0.000	0.129	0.0841	0.2886	0.0157	9.01E-06	0.3133	0.0044	3.77E-08
259		0.00	0.000	0.052	0.0813	0.2825	0.0154	8.82E-06	0.3133	0.0044	3.77E-08
260		0.00	0.000	0.042	0.0789	0.2741	0.0149	8.56E-06	0.3133	0.0044	3.77E-08
261	*	0.39	0.000	0.028	0.0791	0.2605	0.0142	8.13E-06	0.3133	0.0044	3.77E-08
262		0.00	0.000	0.029	0.0801	0.2484	0.0135	7.75E-06	0.3133	0.0044	3.77E-08
263		0.00	0.000	0.034	0.0823	0.2340	0.0128	7.30E-06	0.3133	0.0044	3.77E-08
264		0.00	0.000	0.052	0.0868	0.2187	0.0119	6.82E-06	0.3132	0.0044	3.77E-08
265		0.00	0.000	0.079	0.0831	0.2013	0.0110	6.28E-06	0.3132	0.0044	3.77E-08
266		0.00	0.000	0.035	0.0812	0.1814	0.0099	5.66E-06	0.3132	0.0044	3.77E-08
267	*	0.00	0.000	0.000	0.0808	0.1682	0.0092	5.24E-06	0.3132	0.0044	3.77E-08
268		0.00	0.000	0.032	0.0791	0.1570	0.0086	4.89E-06	0.3132	0.0044	3.77E-08
269		0.47	0.000	0.045	0.0966	0.1437	0.0078	4.48E-06	0.3131	0.0044	3.77E-08
270		0.00	0.000	0.184	0.0886	0.1326	0.0072	4.13E-06	0.3131	0.0044	3.77E-08
271		0.00	0.000	0.180	0.0808	0.1502	0.0082	4.68E-06	0.3131	0.0044	3.77E-08
272		0.00	0.000	0.127	0.0751	0.1600	0.0087	4.99E-06	0.3130	0.0044	3.77E-08
273		0.00	0.000	0.053	0.0725	0.1580	0.0086	4.93E-06	0.3130	0.0044	3.77E-08
274		0.00	0.000	0.041	0.0705	0.1474	0.0080	4.60E-06	0.3130	0.0044	3.77E-08
275		0.04	0.000	0.044	0.0702	0.1360	0.0074	4.24E-06	0.3130	0.0044	3.77E-08
276		0.07	0.000	0.040	0.0710	0.1249	0.0068	3.89E-06	0.3129	0.0044	3.77E-08
277		0.00	0.000	0.027	0.0696	0.1143	0.0062	3.56E-06	0.3129	0.0044	3.77E-08
278		0.00	0.000	0.025	0.0684	0.1039	0.0057	3.24E-06	0.3129	0.0044	3.76E-08
279		0.00	0.000	0.023	0.0672	0.0905	0.0049	2.82E-06	0.3128	0.0044	3.76E-08
280		0.00	0.000	0.022	0.0661	0.0799	0.0044	2.49E-06	0.3128	0.0044	3.76E-08
281		0.00	0.000	0.021	0.0651	0.0739	0.0040	2.30E-06	0.3128	0.0044	3.76E-08
282		0.00	0.000	0.020	0.0641	0.0683	0.0037	2.13E-06	0.3127	0.0044	3.76E-08
283		0.03	0.000	0.028	0.0642	0.0633	0.0034	1.97E-06	0.3127	0.0044	3.76E-08
284	*	0.28	0.000	0.012	0.0649	0.0574	0.0031	1.79E-06	0.3127	0.0044	3.76E-08
285	*	0.01	0.000	0.014	0.0656	0.0503	0.0027	1.57E-06	0.3126	0.0044	3.76E-08
286	*	0.00	0.000	0.017	0.0663	0.0442	0.0024	1.37E-06	0.3126	0.0044	3.76E-08
287		0.00	0.000	0.037	0.0724	0.0388	0.0021	1.21E-06	0.3126	0.0044	3.76E-08
288		0.00	0.000	0.018	0.0716	0.0355	0.0019	1.11E-06	0.3125	0.0044	3.76E-08

289			0.05	0.000	0.026	0.0725	0.0345	0.0019	1.08E-06	0.3125	0.0044	3.76E-08
290			0.02	0.000	0.024	0.0723	0.0335	0.0018	1.04E-06	0.3125	0.0044	3.76E-08
291			0.06	0.000	0.025	0.0738	0.0324	0.0018	1.01E-06	0.3124	0.0044	3.76E-08
292			0.01	0.000	0.022	0.0733	0.0313	0.0017	9.78E-07	0.3124	0.0044	3.76E-08
293			0.08	0.000	0.023	0.0755	0.0303	0.0017	9.46E-07	0.3124	0.0044	3.76E-08
294			0.01	0.000	0.021	0.0750	0.0293	0.0016	9.14E-07	0.3123	0.0044	3.76E-08
295			0.72	0.000	0.022	0.1039	0.0283	0.0015	8.83E-07	0.3123	0.0044	3.76E-08
296			0.02	0.000	0.091	0.1010	0.0321	0.0018	1.00E-06	0.3123	0.0044	3.76E-08
297			0.00	0.000	0.068	0.0981	0.0418	0.0023	1.30E-06	0.3123	0.0044	3.76E-08
298	*		0.00	0.000	0.000	0.0980	0.0437	0.0024	1.36E-06	0.3122	0.0044	3.76E-08
299			0.00	0.000	0.073	0.0949	0.0428	0.0023	1.33E-06	0.3122	0.0044	3.76E-08
300			0.00	0.000	0.079	0.0915	0.0417	0.0023	1.30E-06	0.3122	0.0044	3.76E-08
301			0.00	0.000	0.168	0.0844	0.0399	0.0022	1.24E-06	0.3121	0.0044	3.76E-08
302			0.26	0.000	0.085	0.0916	0.0532	0.0029	1.65E-06	0.3121	0.0044	3.76E-08
303	*		0.03	0.000	0.024	0.0919	0.0458	0.0025	1.43E-06	0.3121	0.0044	3.76E-08
304	*		0.00	0.000	0.000	0.0918	0.0394	0.0021	1.23E-06	0.3120	0.0044	3.75E-08
305	*		0.00	0.000	0.000	0.0918	0.0340	0.0019	1.06E-06	0.3120	0.0044	3.75E-08
306	*		0.00	0.000	0.000	0.0917	0.0292	0.0016	9.14E-07	0.3120	0.0044	3.75E-08
307	*		0.01	0.000	0.009	0.0916	0.0252	0.0014	7.89E-07	0.3120	0.0044	3.75E-08
308	*		0.01	0.000	0.012	0.0916	0.0217	0.0012	6.81E-07	0.3119	0.0044	3.75E-08
309	*		0.14	0.000	0.014	0.0924	0.0187	0.0010	5.89E-07	0.3119	0.0044	3.75E-08
310	*		0.00	0.000	0.004	0.0931	0.0161	0.0009	5.09E-07	0.3119	0.0044	3.75E-08
311			0.00	0.000	0.027	0.0953	0.0139	0.0008	4.40E-07	0.3118	0.0044	3.75E-08
312			0.00	0.000	0.042	0.0937	0.0136	0.0007	4.34E-07	0.3118	0.0044	3.75E-08
313			0.00	0.000	0.090	0.0900	0.0123	0.0007	3.92E-07	0.3118	0.0044	3.75E-08
314			0.00	0.000	0.212	0.0812	0.0133	0.0007	4.24E-07	0.3118	0.0044	3.75E-08
315			0.00	0.000	0.047	0.0792	0.0335	0.0018	1.04E-06	0.3117	0.0044	3.75E-08
316			0.00	0.000	0.045	0.0772	0.0391	0.0021	1.22E-06	0.3117	0.0044	3.75E-08
317			0.00	0.000	0.046	0.0752	0.0435	0.0024	1.35E-06	0.3117	0.0044	3.75E-08
318	*		0.00	0.000	0.000	0.0751	0.0433	0.0024	1.35E-06	0.3116	0.0044	3.75E-08
319	*		0.00	0.000	0.000	0.0750	0.0373	0.0020	1.16E-06	0.3116	0.0044	3.75E-08
320	*		0.00	0.000	0.000	0.0749	0.0321	0.0018	1.00E-06	0.3116	0.0044	3.75E-08
321	*		0.03	0.000	0.006	0.0757	0.0277	0.0015	8.65E-07	0.3116	0.0044	3.75E-08
322	*		0.00	0.000	0.008	0.0756	0.0238	0.0013	7.47E-07	0.3115	0.0044	3.75E-08
323			0.00	0.000	0.031	0.0743	0.0220	0.0012	6.89E-07	0.3115	0.0044	3.75E-08
324	*		0.00	0.000	0.024	0.0733	0.0194	0.0011	6.09E-07	0.3115	0.0044	3.75E-08
325	*	*	0.00	0.000	0.000	0.0732	0.0167	0.0009	5.26E-07	0.3114	0.0044	3.75E-08

326	*	*	0.00	0.000	0.000	0.0732	0.0144	0.0008	4.55E-07	0.3114	0.0044	3.75E-08
327	*	*	0.00	0.000	0.000	0.0732	0.0124	0.0007	3.94E-07	0.3114	0.0044	3.75E-08
328	*	*	0.00	0.000	0.000	0.0731	0.0106	0.0006	3.41E-07	0.3114	0.0044	3.75E-08
329	*	*	0.11	0.000	0.014	0.0731	0.0092	0.0005	2.96E-07	0.3113	0.0044	3.75E-08
330	*	*	0.00	0.000	0.016	0.0731	0.0079	0.0004	2.57E-07	0.3113	0.0044	3.75E-08
331	*	*	0.00	0.000	0.012	0.0731	0.0068	0.0004	2.23E-07	0.3113	0.0044	3.75E-08
332		*	0.00	0.000	0.035	0.0745	0.0059	0.0003	1.94E-07	0.3112	0.0044	3.74E-08
333	*	*	0.00	0.000	0.000	0.0745	0.0050	0.0003	1.69E-07	0.3112	0.0044	3.74E-08
334		*	0.04	0.000	0.005	0.0761	0.0043	0.0002	1.47E-07	0.3112	0.0044	3.74E-08
335		*	0.00	0.000	0.000	0.0761	0.0037	0.0002	1.29E-07	0.3111	0.0044	3.74E-08
336		*	0.00	0.000	0.000	0.0761	0.0032	0.0002	1.13E-07	0.3111	0.0044	3.74E-08
337	*	*	0.00	0.000	0.000	0.0761	0.0028	0.0002	9.90E-08	0.3111	0.0044	3.74E-08
338	*	*	0.26	0.000	0.006	0.0761	0.0024	0.0001	8.73E-08	0.3111	0.0044	3.74E-08
339	*	*	0.00	0.000	0.007	0.0761	0.0021	0.0001	7.67E-08	0.3110	0.0044	3.74E-08
340	*	*	0.02	0.000	0.005	0.0761	0.0018	0.0001	6.81E-08	0.3110	0.0044	3.74E-08
341	*	*	0.25	0.000	0.006	0.0761	0.0015	0.0001	6.06E-08	0.3110	0.0044	3.74E-08
342		*	0.03	0.000	0.000	0.0784	0.0013	0.0001	5.40E-08	0.3109	0.0044	3.74E-08
343	*	*	0.00	0.000	0.020	0.0784	0.0011	0.0001	4.84E-08	0.3109	0.0044	3.74E-08
344	*	*	0.00	0.000	0.005	0.0784	0.0010	0.0001	4.36E-08	0.3109	0.0044	3.74E-08
345	*	*	0.00	0.000	0.002	0.0784	0.0008	0.0000	3.94E-08	0.3108	0.0044	3.74E-08
346	*	*	0.00	0.000	0.000	0.0784	0.0007	0.0000	3.59E-08	0.3108	0.0044	3.74E-08
347		*	0.07	0.053	0.000	0.0977	0.0006	0.0000	3.28E-08	0.3108	0.0044	3.74E-08
348		*	0.01	0.000	0.004	0.0980	0.0005	0.0000	3.01E-08	0.3108	0.0044	3.74E-08
349		*	0.14	0.000	0.005	0.1035	0.0005	0.0000	2.78E-08	0.3107	0.0044	3.74E-08
350	*	*	0.00	0.000	0.001	0.1035	0.0004	0.0000	2.58E-08	0.3107	0.0044	3.74E-08
351		*	0.07	0.000	0.005	0.1063	0.0003	0.0000	2.41E-08	0.3107	0.0044	3.74E-08
352	*	*	0.02	0.000	0.016	0.1063	0.0003	0.0000	2.27E-08	0.3106	0.0044	3.74E-08
353	*	*	0.00	0.000	0.001	0.1063	0.0003	0.0000	2.14E-08	0.3106	0.0044	3.74E-08
354	*	*	0.05	0.000	0.012	0.1063	0.0002	0.0000	2.03E-08	0.3106	0.0044	3.74E-08
355	*	*	0.00	0.000	0.011	0.1063	0.0002	0.0000	1.94E-08	0.3105	0.0044	3.74E-08
356	*	*	0.07	0.000	0.004	0.1063	0.0002	0.0000	1.86E-08	0.3105	0.0044	3.74E-08
357	*	*	0.00	0.000	0.008	0.1063	0.0001	0.0000	1.79E-08	0.3105	0.0044	3.74E-08
358	*	*	0.00	0.000	0.003	0.1063	0.0001	0.0000	1.73E-08	0.3105	0.0044	3.74E-08
359	*	*	0.00	0.000	0.000	0.1063	0.0001	0.0000	1.68E-08	0.3104	0.0044	3.74E-08
360		*	0.09	0.000	0.008	0.1134	0.0001	0.0000	1.63E-08	0.3104	0.0044	3.73E-08
361	*	*	0.00	0.000	0.000	0.1134	0.0001	0.0000	1.60E-08	0.3104	0.0044	3.73E-08
362	*	*	0.06	0.000	0.018	0.1134	0.0001	0.0000	1.56E-08	0.3103	0.0044	3.73E-08

363	*	*	0.00	0.000	0.013	0.1134	0.0001	0.0000	1.54E-08	0.3103	0.0044	3.73E-08
364	*	*	0.00	0.000	0.020	0.1134	0.0000	0.0000	1.51E-08	0.3103	0.0044	3.73E-08
365	*	*	0.00	0.000	0.007	0.1134	0.0000	0.0000	1.49E-08	0.3102	0.0044	3.73E-08

* = Frozen (air or soil)

Annual Totals for Year 13			
	inches	cubic feet	percent
Precipitation	30.15	920,461.0	100.00
Runoff	0.225	6,860.8	0.75
Evapotranspiration	25.135	767,330.5	83.36
Drainage Collected from Layer 2	4.2809	130,689.0	14.20
Percolation/Leakage through Layer 3	0.002465	75.3	0.01
Average Head on Top of Layer 3	0.2152	---	---
Drainage Collected from Layer 5	1.6374	49,985.8	5.43
Percolation/Leakage through Layer 7	0.000014	0.4246	0.00
Average Head on Top of Layer 6	0.3166	---	---
Change in Water Storage	-1.1270	-34,405.5	-3.74
Soil Water at Start of Year	305.2820	9,319,740.3	1012.51
Soil Water at End of Year	304.1544	9,285,317.9	1008.77
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0005	16.8	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 14

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.001	0.1134	0.0000	0.0000	1.47E-08	0.3102	0.0044	3.73E-08
2		*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.46E-08	0.3102	0.0044	3.73E-08
3	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.44E-08	0.3102	0.0044	3.73E-08
4	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.43E-08	0.3101	0.0044	3.73E-08
5	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.42E-08	0.3101	0.0044	3.73E-08
6	*	*	0.08	0.000	0.009	0.1134	0.0000	0.0000	1.41E-08	0.3101	0.0044	3.73E-08
7	*	*	0.00	0.000	0.013	0.1134	0.0000	0.0000	1.41E-08	0.3100	0.0044	3.73E-08
8	*	*	0.00	0.000	0.019	0.1134	0.0000	0.0000	1.40E-08	0.3100	0.0044	3.73E-08
9	*	*	0.00	0.000	0.014	0.1134	0.0000	0.0000	1.39E-08	0.3100	0.0044	3.73E-08
10	*	*	0.00	0.000	0.019	0.1134	0.0000	0.0000	1.39E-08	0.3099	0.0044	3.73E-08
11	*	*	0.03	0.000	0.022	0.1134	0.0000	0.0000	1.39E-08	0.3099	0.0044	3.73E-08
12	*	*	0.01	0.000	0.009	0.1134	0.0000	0.0000	1.38E-08	0.3099	0.0044	3.73E-08
13	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.38E-08	0.3099	0.0044	3.73E-08
14	*	*	0.00	0.000	0.020	0.1134	0.0000	0.0000	1.38E-08	0.3098	0.0044	3.73E-08
15	*	*	0.08	0.000	0.021	0.1134	0.0000	0.0000	1.37E-08	0.3098	0.0044	3.73E-08
16	*	*	0.00	0.000	0.010	0.1134	0.0000	0.0000	1.37E-08	0.3098	0.0044	3.73E-08
17	*	*	0.00	0.000	0.025	0.1134	0.0000	0.0000	1.37E-08	0.3097	0.0044	3.73E-08
18	*	*	0.00	0.000	0.026	0.1134	0.0000	0.0000	1.37E-08	0.3097	0.0044	3.73E-08
19	*	*	0.00	0.000	0.007	0.1134	0.0000	0.0000	1.37E-08	0.3097	0.0044	3.73E-08
20		*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.37E-08	0.3096	0.0044	3.73E-08
21	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.37E-08	0.3096	0.0044	3.73E-08
22	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.36E-08	0.3096	0.0044	3.72E-08
23	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.36E-08	0.3095	0.0044	3.72E-08
24	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	1.36E-08	0.3095	0.0044	3.72E-08
25	*	*	0.00	0.000	0.002	0.1134	0.0000	0.0000	1.36E-08	0.3095	0.0044	3.72E-08
26	*	*	0.02	0.000	0.015	0.1134	0.0000	0.0000	1.36E-08	0.3094	0.0044	3.72E-08
27	*	*	0.02	0.000	0.011	0.1134	0.0000	0.0000	1.36E-08	0.3094	0.0044	3.72E-08
28	*	*	0.15	0.000	0.000	0.1134	0.0000	0.0000	1.36E-08	0.3094	0.0044	3.72E-08
29	*	*	0.00	0.000	0.021	0.1134	0.0000	0.0000	1.36E-08	0.3093	0.0044	3.72E-08

30	*	*	0.04	0.000	0.000	0.1134	0.0000	0.0000	1.36E-08	0.3093	0.0044	3.72E-08
31	*	*	0.02	0.000	0.000	0.1134	0.0000	0.0000	1.36E-08	0.3093	0.0044	3.72E-08
32	*	*	0.06	0.000	0.010	0.1134	0.0000	0.0000	1.36E-08	0.3093	0.0044	3.72E-08
33	*	*	0.00	0.000	0.004	0.1134	0.0000	0.0000	1.36E-08	0.3092	0.0044	3.72E-08
34	*	*	0.02	0.000	0.009	0.1134	0.0000	0.0000	1.01E-08	0.3092	0.0044	3.72E-08
35	*	*	0.12	0.000	0.000	0.1134	0.0000	0.0000	0.00E+00	0.3092	0.0044	3.72E-08
36	*	*	0.02	0.000	0.000	0.1134	0.0000	0.0000	0.00E+00	0.3091	0.0044	3.72E-08
37	*	*	0.10	0.000	0.005	0.1134	0.0000	0.0000	0.00E+00	0.3091	0.0044	3.72E-08
38	*	*	0.00	0.000	0.000	0.1134	0.0000	0.0000	0.00E+00	0.3091	0.0044	3.72E-08
39		*	0.00	0.000	0.023	0.1149	0.0000	0.0000	0.00E+00	0.3090	0.0044	3.72E-08
40	*	*	0.00	0.000	0.011	0.1149	0.0000	0.0000	0.00E+00	0.3090	0.0044	3.72E-08
41	*	*	0.00	0.000	0.016	0.1149	0.0000	0.0000	0.00E+00	0.3090	0.0044	3.72E-08
42	*	*	0.00	0.000	0.006	0.1149	0.0000	0.0000	0.00E+00	0.3089	0.0044	3.72E-08
43	*	*	0.00	0.000	0.014	0.1149	0.0000	0.0000	0.00E+00	0.3089	0.0044	3.72E-08
44	*	*	0.00	0.000	0.021	0.1149	0.0000	0.0000	0.00E+00	0.3089	0.0044	3.72E-08
45		*	0.00	0.033	0.020	0.1277	0.0000	0.0000	0.00E+00	0.3088	0.0044	3.72E-08
46		*	0.00	0.000	0.000	0.1277	0.0000	0.0000	0.00E+00	0.3088	0.0044	3.72E-08
47		*	0.01	0.000	0.003	0.1279	0.0000	0.0000	0.00E+00	0.3088	0.0044	3.72E-08
48		*	0.18	0.002	0.003	0.1354	0.0000	0.0000	0.00E+00	0.3087	0.0044	3.71E-08
49		*	0.00	0.000	0.000	0.1354	0.0000	0.0000	0.00E+00	0.3087	0.0044	3.71E-08
50		*	0.00	0.000	0.000	0.1354	0.0000	0.0000	0.00E+00	0.3087	0.0044	3.71E-08
51	*	*	0.00	0.000	0.001	0.1354	0.0000	0.0000	0.00E+00	0.3086	0.0044	3.71E-08
52	*	*	0.00	0.000	0.000	0.1354	0.0000	0.0000	0.00E+00	0.3086	0.0044	3.71E-08
53	*	*	0.00	0.000	0.000	0.1354	0.0000	0.0000	0.00E+00	0.3086	0.0044	3.71E-08
54	*	*	0.08	0.000	0.026	0.1354	0.0000	0.0000	0.00E+00	0.3085	0.0044	3.71E-08
55	*	*	0.00	0.000	0.032	0.1354	0.0000	0.0000	0.00E+00	0.3085	0.0044	3.71E-08
56		*	0.00	0.000	0.019	0.1354	0.0000	0.0000	0.00E+00	0.3085	0.0044	3.71E-08
57		*	0.02	0.000	0.003	0.1360	0.0000	0.0000	0.00E+00	0.3084	0.0044	3.71E-08
58		*	0.04	0.000	0.003	0.1375	0.0000	0.0000	0.00E+00	0.3084	0.0044	3.71E-08
59		*	0.00	0.000	0.000	0.1375	0.0000	0.0000	0.00E+00	0.3084	0.0044	3.71E-08
60		*	0.00	0.000	0.000	0.1375	0.0000	0.0000	0.00E+00	0.3083	0.0044	3.71E-08
61	*	*	0.17	0.000	0.017	0.1375	0.0000	0.0000	0.00E+00	0.3083	0.0044	3.71E-08
62	*	*	0.00	0.000	0.017	0.1375	0.0000	0.0000	0.00E+00	0.3083	0.0044	3.71E-08
63	*	*	0.00	0.000	0.018	0.1375	0.0000	0.0000	0.00E+00	0.3082	0.0044	3.71E-08
64		*	0.00	0.000	0.041	0.1407	0.0000	0.0000	0.00E+00	0.3082	0.0044	3.71E-08
65		*	0.16	0.001	0.003	0.1470	0.0000	0.0000	0.00E+00	0.3082	0.0044	3.71E-08
66		*	0.05	0.000	0.003	0.1490	0.0000	0.0000	0.00E+00	0.3081	0.0044	3.71E-08

67		*	0.32	0.047	0.003	0.1601	0.0000	0.0000	0.00E+00	0.3081	0.0044	3.71E-08
68		*	0.43	0.116	0.003	0.1731	0.0000	0.0000	0.00E+00	0.3081	0.0044	3.71E-08
69		*	0.00	0.000	0.000	0.1731	0.0000	0.0000	0.00E+00	0.3080	0.0044	3.71E-08
70		*	0.00	0.000	0.000	0.1731	0.0000	0.0000	0.00E+00	0.3080	0.0044	3.71E-08
71	*	*	0.00	0.000	0.000	0.1731	0.0000	0.0000	0.00E+00	0.3080	0.0044	3.71E-08
72	*	*	0.00	0.000	0.000	0.1731	0.0000	0.0000	0.00E+00	0.3079	0.0044	3.71E-08
73		*	0.00	0.000	0.000	0.1731	0.0000	0.0000	0.00E+00	0.3079	0.0044	3.70E-08
74		*	0.00	0.000	0.000	0.1731	0.0000	0.0000	0.00E+00	0.3079	0.0044	3.70E-08
75		*	0.00	0.000	0.000	0.1731	0.0000	0.0000	0.00E+00	0.3078	0.0044	3.70E-08
76		*	0.12	0.001	0.003	0.1779	0.0000	0.0000	0.00E+00	0.3078	0.0044	3.70E-08
77	*	*	0.12	0.000	0.023	0.1779	0.0000	0.0000	0.00E+00	0.3078	0.0044	3.70E-08
78	*	*	0.23	0.000	0.005	0.1779	0.0000	0.0000	0.00E+00	0.3077	0.0044	3.70E-08
79	*	*	0.00	0.000	0.002	0.1779	0.0000	0.0000	0.00E+00	0.3077	0.0044	3.70E-08
80	*	*	0.23	0.000	0.001	0.1779	0.0000	0.0000	0.00E+00	0.3077	0.0044	3.70E-08
81	*	*	0.10	0.000	0.002	0.1779	0.0000	0.0000	0.00E+00	0.3076	0.0044	3.70E-08
82	*	*	0.01	0.000	0.000	0.1779	0.0000	0.0000	0.00E+00	0.3076	0.0044	3.70E-08
83	*	*	0.02	0.000	0.000	0.1779	0.0000	0.0000	0.00E+00	0.3076	0.0044	3.70E-08
84		*	0.00	0.322	0.012	0.1918	0.0000	0.0000	0.00E+00	0.3075	0.0044	3.70E-08
85	*	*	0.00	0.000	0.000	0.1918	0.0000	0.0000	0.00E+00	0.3075	0.0044	3.70E-08
86	*	*	0.00	0.000	0.000	0.1918	0.0000	0.0000	0.00E+00	0.3075	0.0044	3.70E-08
87	*	*	0.00	0.000	0.000	0.1918	0.0000	0.0000	0.00E+00	0.3074	0.0044	3.70E-08
88	*	*	0.00	0.000	0.000	0.1918	0.0000	0.0000	0.00E+00	0.3074	0.0044	3.70E-08
89	*	*	0.00	0.000	0.000	0.1918	0.0000	0.0000	0.00E+00	0.3074	0.0044	3.70E-08
90	*	*	0.00	0.000	0.000	0.1918	0.0000	0.0000	0.00E+00	0.3073	0.0044	3.70E-08
91	*	*	0.49	0.000	0.004	0.1918	0.0000	0.0000	0.00E+00	0.3073	0.0044	3.70E-08
92	*	*	0.00	0.000	0.014	0.1918	0.0000	0.0000	0.00E+00	0.3073	0.0044	3.70E-08
93	*	*	0.00	0.000	0.031	0.1918	0.0000	0.0000	0.00E+00	0.3072	0.0044	3.70E-08
94	*	*	0.00	0.000	0.033	0.1918	0.0000	0.0000	0.00E+00	0.3072	0.0044	3.70E-08
95		*	0.42	0.503	0.095	0.2017	0.0000	0.0000	0.00E+00	0.3072	0.0044	3.70E-08
96		*	0.02	0.000	0.003	0.2024	0.0000	0.0000	0.00E+00	0.3071	0.0044	3.70E-08
97		*	0.57	0.294	0.003	0.2137	0.0000	0.0000	0.00E+00	0.3071	0.0044	3.69E-08
98		*	0.06	0.000	0.003	0.2160	0.0000	0.0000	0.00E+00	0.3071	0.0044	3.69E-08
99		*	0.18	0.031	0.003	0.2219	0.0000	0.0000	0.00E+00	0.3070	0.0043	3.69E-08
100		*	0.21	0.055	0.002	0.2284	0.0000	0.0000	0.00E+00	0.3070	0.0043	3.69E-08
101		*	0.00	0.000	0.000	0.2284	0.0000	0.0000	0.00E+00	0.3070	0.0043	3.69E-08
102		*	0.52	0.296	0.002	0.2374	0.0000	0.0000	0.00E+00	0.3069	0.0043	3.69E-08
103		*	0.00	0.000	0.000	0.2374	0.0000	0.0000	0.00E+00	0.3069	0.0043	3.69E-08

104	*	0.05	0.000	0.002	0.2394	0.0000	0.0000	0.00E+00	0.3069	0.0043	3.69E-08
105	*	0.00	0.000	0.000	0.2394	0.0000	0.0000	0.00E+00	0.3068	0.0043	3.69E-08
106	*	0.04	0.000	0.002	0.2411	0.0000	0.0000	0.00E+00	0.3068	0.0043	3.69E-08
107	*	0.90	0.684	0.002	0.2501	0.0000	0.0000	0.00E+00	0.3068	0.0043	3.69E-08
108	*	0.01	0.000	0.002	0.2507	0.0000	0.0000	0.00E+00	0.3067	0.0043	3.69E-08
109		0.15	0.000	0.122	0.2423	4.2512	0.2317	1.41E-04	0.3068	0.0043	3.69E-08
110		0.00	0.000	0.251	0.2152	7.3135	0.3987	2.42E-04	0.3073	0.0044	3.70E-08
111		0.00	0.000	0.219	0.1911	6.5884	0.3591	2.17E-04	0.3078	0.0044	3.70E-08
112		0.00	0.000	0.274	0.1664	5.8350	0.3181	1.91E-04	0.3082	0.0044	3.71E-08
113		0.00	0.000	0.130	0.1500	4.8325	0.2634	1.57E-04	0.3085	0.0044	3.71E-08
114		0.00	0.000	0.054	0.1394	3.6762	0.2004	1.18E-04	0.3086	0.0044	3.71E-08
115		0.00	0.000	0.041	0.1303	3.2833	0.1790	1.05E-04	0.3087	0.0044	3.71E-08
116		0.00	0.000	0.035	0.1222	2.9107	0.1587	9.31E-05	0.3087	0.0044	3.71E-08
117		0.26	0.000	0.033	0.1258	2.5867	0.1410	8.25E-05	0.3087	0.0044	3.71E-08
118		0.03	0.000	0.030	0.1203	2.3352	0.1273	7.43E-05	0.3087	0.0044	3.71E-08
119		0.23	0.000	0.028	0.1240	2.1069	0.1148	6.69E-05	0.3086	0.0044	3.71E-08
120		0.29	0.000	0.026	0.1307	1.8874	0.1029	5.98E-05	0.3085	0.0044	3.71E-08
121		0.13	0.000	0.337	0.1181	1.6773	0.0914	5.31E-05	0.3084	0.0044	3.71E-08
122		0.00	0.000	0.022	0.1138	1.4960	0.0815	4.73E-05	0.3082	0.0044	3.71E-08
123		0.00	0.000	0.021	0.1099	1.3365	0.0729	4.22E-05	0.3081	0.0044	3.71E-08
124		0.00	0.000	0.020	0.1064	1.1875	0.0647	3.74E-05	0.3079	0.0044	3.70E-08
125		0.00	0.000	0.019	0.1032	1.0523	0.0574	3.31E-05	0.3077	0.0044	3.70E-08
126		0.00	0.000	0.018	0.1003	0.9313	0.0508	2.93E-05	0.3076	0.0044	3.70E-08
127		0.00	0.000	0.018	0.0977	0.8238	0.0449	2.59E-05	0.3074	0.0044	3.70E-08
128		1.26	0.000	0.019	0.1476	0.7287	0.0397	2.29E-05	0.3072	0.0044	3.70E-08
129		0.01	0.000	0.282	0.1349	0.6456	0.0352	2.02E-05	0.3070	0.0043	3.69E-08
130		0.00	0.000	0.368	0.1182	0.5816	0.0317	1.82E-05	0.3068	0.0043	3.69E-08
131		0.58	0.000	0.132	0.1355	0.5129	0.0280	1.61E-05	0.3067	0.0043	3.69E-08
132		0.38	0.000	0.215	0.1416	0.4523	0.0247	1.41E-05	0.3065	0.0043	3.69E-08
133		0.15	0.000	0.327	0.1334	0.4060	0.0221	1.27E-05	0.3063	0.0043	3.69E-08
134		0.00	0.000	0.265	0.1214	0.4254	0.0232	1.33E-05	0.3061	0.0043	3.68E-08
135		0.00	0.000	0.280	0.1087	0.4515	0.0246	1.41E-05	0.3060	0.0043	3.68E-08
136		0.00	0.000	0.130	0.1022	0.4735	0.0258	1.48E-05	0.3058	0.0043	3.68E-08
137		0.38	0.000	0.057	0.1148	0.4725	0.0258	1.48E-05	0.3057	0.0043	3.68E-08
138		0.08	0.000	0.413	0.0997	0.4658	0.0254	1.46E-05	0.3055	0.0043	3.68E-08
139		0.07	0.000	0.044	0.0999	0.4490	0.0245	1.40E-05	0.3054	0.0043	3.67E-08
140		1.04	0.000	0.037	0.1406	0.4073	0.0222	1.27E-05	0.3053	0.0043	3.67E-08

141	0.03	0.000	0.131	0.1358	0.3742	0.0204	1.17E-05	0.3051	0.0043	3.67E-08
142	0.00	0.000	0.386	0.1189	0.3578	0.0195	1.12E-05	0.3050	0.0043	3.67E-08
143	0.28	0.000	0.118	0.1248	0.3381	0.0184	1.06E-05	0.3049	0.0043	3.67E-08
144	0.00	0.000	0.115	0.1193	0.3192	0.0174	9.97E-06	0.3048	0.0043	3.67E-08
145	0.00	0.000	0.105	0.1143	0.2829	0.0154	8.83E-06	0.3046	0.0043	3.67E-08
146	0.00	0.000	0.179	0.1062	0.2435	0.0133	7.60E-06	0.3045	0.0043	3.66E-08
147	0.00	0.000	0.110	0.1011	0.2359	0.0129	7.36E-06	0.3044	0.0043	3.66E-08
148	0.00	0.000	0.055	0.0982	0.2608	0.0142	8.14E-06	0.3043	0.0043	3.66E-08
149	0.00	0.000	0.043	0.0959	0.2546	0.0139	7.95E-06	0.3042	0.0043	3.66E-08
150	0.00	0.000	0.037	0.0938	0.2341	0.0128	7.30E-06	0.3041	0.0043	3.66E-08
151	0.05	0.000	0.035	0.0938	0.2216	0.0121	6.91E-06	0.3040	0.0043	3.66E-08
152	0.07	0.000	0.033	0.0946	0.2184	0.0119	6.81E-06	0.3039	0.0043	3.66E-08
153	0.56	0.000	0.029	0.1162	0.2201	0.0120	6.87E-06	0.3038	0.0043	3.66E-08
154	0.00	0.000	0.337	0.1017	0.2357	0.0128	7.35E-06	0.3038	0.0043	3.65E-08
155	0.39	0.000	0.028	0.1164	0.2368	0.0129	7.39E-06	0.3037	0.0043	3.65E-08
156	0.02	0.000	0.351	0.1023	0.2169	0.0118	6.77E-06	0.3036	0.0043	3.65E-08
157	0.31	0.000	0.027	0.1136	0.2059	0.0112	6.42E-06	0.3035	0.0043	3.65E-08
158	0.25	0.000	0.110	0.1188	0.2121	0.0116	6.62E-06	0.3035	0.0043	3.65E-08
159	0.00	0.000	0.310	0.1054	0.2087	0.0114	6.51E-06	0.3034	0.0043	3.65E-08
160	0.02	0.000	0.292	0.0934	0.2099	0.0114	6.55E-06	0.3033	0.0043	3.65E-08
161	0.00	0.000	0.137	0.0872	0.2049	0.0112	6.39E-06	0.3033	0.0043	3.65E-08
162	0.00	0.000	0.061	0.0842	0.2135	0.0116	6.66E-06	0.3032	0.0043	3.65E-08
163	0.00	0.000	0.047	0.0817	0.2181	0.0119	6.80E-06	0.3032	0.0043	3.65E-08
164	0.01	0.000	0.044	0.0800	0.2164	0.0118	6.75E-06	0.3031	0.0043	3.65E-08
165	0.01	0.000	0.043	0.0782	0.2147	0.0117	6.70E-06	0.3031	0.0043	3.65E-08
166	0.15	0.000	0.040	0.0821	0.2084	0.0114	6.50E-06	0.3030	0.0043	3.65E-08
167	0.05	0.000	0.040	0.0820	0.1972	0.0107	6.15E-06	0.3030	0.0043	3.64E-08
168	0.00	0.000	0.038	0.0800	0.1798	0.0098	5.61E-06	0.3029	0.0043	3.64E-08
169	0.16	0.000	0.039	0.0848	0.1639	0.0089	5.11E-06	0.3029	0.0043	3.64E-08
170	0.05	0.000	0.031	0.0851	0.1500	0.0082	4.68E-06	0.3028	0.0043	3.64E-08
171	0.15	0.000	0.032	0.0897	0.1381	0.0075	4.30E-06	0.3028	0.0043	3.64E-08
172	0.01	0.000	0.035	0.0882	0.1269	0.0069	3.95E-06	0.3027	0.0043	3.64E-08
173	0.00	0.000	0.032	0.0866	0.1164	0.0063	3.63E-06	0.3027	0.0043	3.64E-08
174	0.19	0.000	0.030	0.0929	0.1071	0.0058	3.34E-06	0.3026	0.0043	3.64E-08
175	0.15	0.000	0.041	0.0973	0.0985	0.0054	3.07E-06	0.3026	0.0043	3.64E-08
176	0.43	0.000	0.238	0.1054	0.0920	0.0050	2.87E-06	0.3026	0.0043	3.64E-08
177	0.00	0.000	0.214	0.0962	0.0980	0.0053	3.05E-06	0.3025	0.0043	3.64E-08

178	0.00	0.000	0.314	0.0829	0.1013	0.0055	3.16E-06	0.3025	0.0043	3.64E-08
179	0.00	0.000	0.151	0.0763	0.1025	0.0056	3.19E-06	0.3025	0.0043	3.64E-08
180	0.00	0.000	0.075	0.0730	0.0981	0.0053	3.06E-06	0.3024	0.0043	3.64E-08
181	0.00	0.000	0.079	0.0695	0.0916	0.0050	2.85E-06	0.3024	0.0043	3.64E-08
182	0.00	0.000	0.078	0.0660	0.0855	0.0047	2.66E-06	0.3024	0.0043	3.64E-08
183	0.00	0.000	0.074	0.0628	0.0797	0.0043	2.48E-06	0.3023	0.0043	3.64E-08
184	0.28	0.000	0.053	0.0723	0.0737	0.0040	2.29E-06	0.3023	0.0043	3.64E-08
185	0.76	0.000	0.071	0.1007	0.0678	0.0037	2.11E-06	0.3023	0.0043	3.64E-08
186	0.00	0.000	0.215	0.0916	0.0654	0.0036	2.04E-06	0.3022	0.0043	3.64E-08
187	0.00	0.000	0.120	0.0865	0.0619	0.0034	1.93E-06	0.3022	0.0043	3.64E-08
188	0.00	0.000	0.277	0.0748	0.0628	0.0034	1.96E-06	0.3022	0.0043	3.64E-08
189	0.04	0.000	0.125	0.0711	0.0650	0.0035	2.02E-06	0.3022	0.0043	3.64E-08
190	0.05	0.000	0.083	0.0696	0.0614	0.0033	1.91E-06	0.3021	0.0043	3.63E-08
191	0.15	0.000	0.101	0.0713	0.0575	0.0031	1.79E-06	0.3021	0.0043	3.63E-08
192	0.09	0.000	0.072	0.0717	0.0521	0.0028	1.62E-06	0.3021	0.0043	3.63E-08
193	0.23	0.000	0.060	0.0786	0.0440	0.0024	1.37E-06	0.3021	0.0043	3.63E-08
194	0.48	0.000	0.179	0.0911	0.0364	0.0020	1.13E-06	0.3021	0.0043	3.63E-08
195	0.00	0.000	0.277	0.0795	0.0301	0.0016	9.41E-07	0.3020	0.0043	3.63E-08
196	0.00	0.000	0.283	0.0677	0.0286	0.0016	8.93E-07	0.3020	0.0043	3.63E-08
197	0.00	0.000	0.219	0.0584	0.0739	0.0040	2.30E-06	0.3020	0.0043	3.63E-08
198	0.00	0.000	0.161	0.0514	0.0936	0.0051	2.92E-06	0.3020	0.0043	3.63E-08
199	0.00	0.000	0.153	0.0449	0.0715	0.0039	2.23E-06	0.3020	0.0043	3.63E-08
200	1.73	0.000	0.091	0.1132	0.0543	0.0030	1.69E-06	0.3019	0.0043	3.63E-08
201	0.00	0.000	0.326	0.0995	0.0542	0.0030	1.69E-06	0.3019	0.0043	3.63E-08
202	0.00	0.000	0.215	0.0904	0.0482	0.0026	1.50E-06	0.3019	0.0043	3.63E-08
203	0.00	0.000	0.374	0.0747	0.0387	0.0021	1.20E-06	0.3019	0.0043	3.63E-08
204	0.00	0.000	0.289	0.0626	0.0260	0.0014	8.13E-07	0.3019	0.0043	3.63E-08
205	0.00	0.000	0.184	0.0549	0.0099	0.0005	3.19E-07	0.3018	0.0043	3.63E-08
206	0.00	0.000	0.160	0.0482	0.0005	0.0000	0.00E+00	0.3018	0.0043	3.63E-08
207	0.00	0.000	0.138	0.0425	0.0000	0.0000	0.00E+00	0.3018	0.0043	3.63E-08
208	0.00	0.000	0.114	0.0379	0.0000	0.0000	0.00E+00	0.3018	0.0043	3.63E-08
209	0.20	0.000	0.104	0.0417	0.0000	0.0000	0.00E+00	0.3018	0.0043	3.63E-08
210	0.00	0.000	0.108	0.0372	0.0000	0.0000	0.00E+00	0.3018	0.0043	3.63E-08
211	0.00	0.000	0.063	0.0345	0.0000	0.0000	0.00E+00	0.3017	0.0043	3.63E-08
212	0.00	0.000	0.031	0.0332	0.0000	0.0000	0.00E+00	0.3017	0.0043	3.63E-08
213	0.00	0.000	0.012	0.0327	0.0000	0.0000	0.00E+00	0.3017	0.0043	3.63E-08
214	0.00	0.000	0.002	0.0326	0.0000	0.0000	0.00E+00	0.3017	0.0043	3.63E-08

215	0.00	0.000	0.003	0.0325	0.0000	0.0000	0.00E+00	0.3017	0.0043	3.63E-08
216	0.00	0.000	0.001	0.0325	0.0000	0.0000	0.00E+00	0.3017	0.0043	3.63E-08
217	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3016	0.0043	3.63E-08
218	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3016	0.0043	3.63E-08
219	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3016	0.0043	3.63E-08
220	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.3016	0.0043	3.63E-08
221	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.3016	0.0043	3.63E-08
222	0.05	0.000	0.019	0.0339	0.0000	0.0000	0.00E+00	0.3016	0.0043	3.63E-08
223	0.04	0.000	0.023	0.0348	0.0000	0.0000	0.00E+00	0.3015	0.0043	3.63E-08
224	0.07	0.000	0.018	0.0370	0.0000	0.0000	0.00E+00	0.3015	0.0043	3.63E-08
225	0.00	0.000	0.025	0.0359	0.0000	0.0000	0.00E+00	0.3015	0.0043	3.63E-08
226	0.00	0.000	0.026	0.0349	0.0000	0.0000	0.00E+00	0.3015	0.0043	3.63E-08
227	0.00	0.000	0.014	0.0343	0.0000	0.0000	0.00E+00	0.3015	0.0043	3.63E-08
228	0.00	0.000	0.008	0.0339	0.0000	0.0000	0.00E+00	0.3015	0.0043	3.63E-08
229	0.15	0.000	0.020	0.0396	0.0000	0.0000	0.00E+00	0.3014	0.0043	3.63E-08
230	0.85	0.000	0.028	0.0740	0.0000	0.0000	0.00E+00	0.3014	0.0043	3.63E-08
231	0.00	0.000	0.157	0.0674	0.0000	0.0000	0.00E+00	0.3014	0.0043	3.63E-08
232	0.69	0.000	0.074	0.0931	0.0000	0.0000	0.00E+00	0.3014	0.0043	3.63E-08
233	0.00	0.000	0.079	0.0899	0.0000	0.0000	0.00E+00	0.3014	0.0043	3.63E-08
234	0.00	0.000	0.216	0.0809	0.0000	0.0000	0.00E+00	0.3014	0.0043	3.63E-08
235	0.27	0.000	0.159	0.0855	0.0000	0.0000	0.00E+00	0.3014	0.0043	3.63E-08
236	0.04	0.000	0.088	0.0837	0.0000	0.0000	0.00E+00	0.3013	0.0043	3.63E-08
237	0.12	0.000	0.134	0.0829	0.0000	0.0000	0.00E+00	0.3013	0.0043	3.62E-08
238	0.03	0.000	0.218	0.0752	0.0000	0.0000	0.00E+00	0.3013	0.0043	3.62E-08
239	0.20	0.000	0.248	0.0731	0.0000	0.0000	0.00E+00	0.3013	0.0043	3.62E-08
240	0.23	0.000	0.110	0.0781	0.0000	0.0000	0.00E+00	0.3013	0.0043	3.62E-08
241	0.00	0.000	0.191	0.0701	0.0000	0.0000	0.00E+00	0.3013	0.0043	3.62E-08
242	0.00	0.000	0.149	0.0639	0.0000	0.0000	0.00E+00	0.3012	0.0043	3.62E-08
243	0.00	0.000	0.091	0.0601	0.0000	0.0000	0.00E+00	0.3012	0.0043	3.62E-08
244	0.00	0.000	0.092	0.0563	0.0122	0.0007	3.86E-07	0.3012	0.0043	3.62E-08
245	0.00	0.000	0.057	0.0538	0.0381	0.0021	1.19E-06	0.3012	0.0043	3.62E-08
246	0.00	0.000	0.043	0.0519	0.0490	0.0027	1.52E-06	0.3012	0.0043	3.62E-08
247	0.00	0.000	0.037	0.0502	0.0549	0.0030	1.71E-06	0.3012	0.0043	3.62E-08
248	0.00	0.000	0.031	0.0488	0.0582	0.0032	1.81E-06	0.3011	0.0043	3.62E-08
249	0.00	0.000	0.028	0.0475	0.0599	0.0033	1.86E-06	0.3011	0.0043	3.62E-08
250	0.06	0.000	0.038	0.0483	0.0605	0.0033	1.88E-06	0.3011	0.0043	3.62E-08
251	0.15	0.000	0.037	0.0528	0.0604	0.0033	1.88E-06	0.3011	0.0043	3.62E-08

252		0.00	0.000	0.021	0.0518	0.0597	0.0033	1.86E-06	0.3011	0.0043	3.62E-08
253		0.07	0.000	0.034	0.0531	0.0587	0.0032	1.83E-06	0.3011	0.0043	3.62E-08
254		0.00	0.000	0.019	0.0521	0.0574	0.0031	1.79E-06	0.3011	0.0043	3.62E-08
255		0.00	0.000	0.018	0.0513	0.0535	0.0029	1.66E-06	0.3010	0.0043	3.62E-08
256		0.00	0.000	0.017	0.0504	0.0476	0.0026	1.48E-06	0.3010	0.0043	3.62E-08
257		0.00	0.000	0.017	0.0496	0.0447	0.0024	1.39E-06	0.3010	0.0043	3.62E-08
258		0.00	0.000	0.016	0.0489	0.0452	0.0025	1.41E-06	0.3010	0.0043	3.62E-08
259	*	0.00	0.000	0.015	0.0481	0.0450	0.0025	1.40E-06	0.3010	0.0043	3.62E-08
260		0.00	0.000	0.015	0.0474	0.0456	0.0025	1.42E-06	0.3009	0.0043	3.62E-08
261		0.00	0.000	0.014	0.0467	0.0441	0.0024	1.37E-06	0.3009	0.0043	3.62E-08
262		0.49	0.000	0.028	0.0658	0.0463	0.0025	1.44E-06	0.3009	0.0043	3.62E-08
263		0.31	0.000	0.057	0.0762	0.0674	0.0037	2.10E-06	0.3009	0.0043	3.62E-08
264		0.00	0.000	0.074	0.0729	0.0975	0.0053	3.04E-06	0.3009	0.0043	3.62E-08
265		0.00	0.000	0.071	0.0697	0.1108	0.0060	3.45E-06	0.3008	0.0043	3.62E-08
266		0.00	0.000	0.101	0.0652	0.1257	0.0069	3.92E-06	0.3008	0.0043	3.62E-08
267		0.00	0.000	0.050	0.0628	0.1277	0.0070	3.98E-06	0.3008	0.0043	3.62E-08
268		0.00	0.000	0.078	0.0593	0.1099	0.0060	3.42E-06	0.3008	0.0043	3.62E-08
269		0.04	0.000	0.053	0.0587	0.0945	0.0052	2.94E-06	0.3008	0.0043	3.62E-08
270		0.00	0.000	0.039	0.0568	0.0869	0.0047	2.71E-06	0.3008	0.0043	3.62E-08
271		0.05	0.000	0.101	0.0544	0.0836	0.0046	2.60E-06	0.3007	0.0043	3.62E-08
272		0.00	0.000	0.049	0.0521	0.0790	0.0043	2.46E-06	0.3007	0.0043	3.62E-08
273		0.00	0.000	0.038	0.0504	0.0844	0.0046	2.63E-06	0.3007	0.0043	3.62E-08
274		0.04	0.000	0.041	0.0500	0.0811	0.0044	2.53E-06	0.3007	0.0043	3.62E-08
275		0.00	0.000	0.028	0.0486	0.0699	0.0038	2.18E-06	0.3006	0.0043	3.62E-08
276		0.00	0.000	0.025	0.0474	0.0602	0.0033	1.87E-06	0.3006	0.0043	3.62E-08
277		0.00	0.000	0.023	0.0464	0.0518	0.0028	1.61E-06	0.3006	0.0043	3.62E-08
278		0.00	0.000	0.022	0.0454	0.0446	0.0024	1.39E-06	0.3006	0.0043	3.62E-08
279		0.52	0.000	0.028	0.0658	0.0384	0.0021	1.20E-06	0.3005	0.0043	3.62E-08
280	*	0.00	0.000	0.030	0.0644	0.0353	0.0019	1.10E-06	0.3005	0.0043	3.61E-08
281	*	0.03	0.000	0.035	0.0641	0.0374	0.0020	1.16E-06	0.3005	0.0043	3.61E-08
282		0.00	0.000	0.054	0.0618	0.0412	0.0022	1.28E-06	0.3004	0.0043	3.61E-08
283		0.00	0.000	0.080	0.0583	0.0589	0.0032	1.83E-06	0.3004	0.0043	3.61E-08
284		0.00	0.000	0.051	0.0560	0.0759	0.0041	2.36E-06	0.3004	0.0043	3.61E-08
285		0.00	0.000	0.054	0.0536	0.0790	0.0043	2.46E-06	0.3004	0.0043	3.61E-08
286		0.03	0.000	0.108	0.0500	0.0784	0.0043	2.44E-06	0.3003	0.0043	3.61E-08
287		0.14	0.000	0.056	0.0532	0.0675	0.0037	2.10E-06	0.3003	0.0043	3.61E-08
288		0.60	0.000	0.045	0.0764	0.0581	0.0032	1.81E-06	0.3003	0.0043	3.61E-08

289	*		0.64	0.000	0.015	0.0771	0.0535	0.0029	1.67E-06	0.3003	0.0043	3.61E-08
290	*		0.00	0.000	0.017	0.0779	0.0461	0.0025	1.43E-06	0.3002	0.0043	3.61E-08
291	*		0.00	0.000	0.006	0.0786	0.0397	0.0022	1.24E-06	0.3002	0.0043	3.61E-08
292			0.00	0.000	0.000	0.1012	0.0342	0.0019	1.07E-06	0.3002	0.0043	3.61E-08
293			0.00	0.000	0.045	0.0992	0.0294	0.0016	9.20E-07	0.3001	0.0043	3.61E-08
294	*		0.00	0.000	0.000	0.0992	0.0254	0.0014	7.94E-07	0.3001	0.0043	3.61E-08
295	*		0.00	0.000	0.000	0.0991	0.0284	0.0015	8.87E-07	0.3001	0.0043	3.61E-08
296	*		0.05	0.000	0.016	0.0997	0.0903	0.0049	2.81E-06	0.3001	0.0043	3.61E-08
297	*		0.00	0.000	0.010	0.0996	0.1709	0.0093	5.33E-06	0.3000	0.0043	3.61E-08
298	*		0.36	0.000	0.007	0.1000	0.1798	0.0098	5.61E-06	0.3000	0.0043	3.61E-08
299	*		0.00	0.000	0.010	0.1005	0.1549	0.0084	4.83E-06	0.3000	0.0043	3.61E-08
300	*		0.00	0.000	0.017	0.1010	0.1334	0.0073	4.16E-06	0.3000	0.0042	3.61E-08
301			0.00	0.000	0.062	0.1094	0.1149	0.0063	3.58E-06	0.2999	0.0042	3.61E-08
302	*		0.00	0.000	0.033	0.1078	0.0993	0.0054	3.09E-06	0.2999	0.0042	3.61E-08
303			0.00	0.000	0.067	0.1048	0.0929	0.0051	2.89E-06	0.2999	0.0042	3.61E-08
304	*		0.00	0.000	0.000	0.1046	0.0844	0.0046	2.63E-06	0.2999	0.0042	3.61E-08
305	*		0.00	0.000	0.000	0.1044	0.0727	0.0040	2.26E-06	0.2998	0.0042	3.61E-08
306	*	*	0.00	0.000	0.000	0.1043	0.0626	0.0034	1.95E-06	0.2998	0.0042	3.61E-08
307	*	*	0.00	0.000	0.000	0.1041	0.0539	0.0029	1.68E-06	0.2998	0.0042	3.61E-08
308	*	*	0.00	0.000	0.000	0.1040	0.0464	0.0025	1.45E-06	0.2997	0.0042	3.61E-08
309	*	*	0.00	0.000	0.000	0.1039	0.0400	0.0022	1.25E-06	0.2997	0.0042	3.61E-08
310	*	*	0.00	0.000	0.002	0.1039	0.0345	0.0019	1.07E-06	0.2997	0.0042	3.60E-08
311	*	*	0.00	0.000	0.000	0.1038	0.0297	0.0016	9.27E-07	0.2996	0.0042	3.60E-08
312	*	*	0.00	0.000	0.000	0.1037	0.0256	0.0014	8.00E-07	0.2996	0.0042	3.60E-08
313	*	*	0.00	0.000	0.000	0.1037	0.0220	0.0012	6.91E-07	0.2996	0.0042	3.60E-08
314	*	*	0.00	0.000	0.000	0.1036	0.0190	0.0010	5.97E-07	0.2995	0.0042	3.60E-08
315		*	0.00	0.000	0.000	0.1036	0.0163	0.0009	5.16E-07	0.2995	0.0042	3.60E-08
316	*	*	0.00	0.000	0.000	0.1036	0.0141	0.0008	4.46E-07	0.2995	0.0042	3.60E-08
317		*	0.00	0.000	0.000	0.1036	0.0121	0.0007	3.86E-07	0.2994	0.0042	3.60E-08
318	*	*	0.00	0.000	0.000	0.1035	0.0104	0.0006	3.34E-07	0.2994	0.0042	3.60E-08
319	*	*	0.02	0.000	0.015	0.1035	0.0090	0.0005	2.90E-07	0.2994	0.0042	3.60E-08
320		*	0.14	0.000	0.029	0.1086	0.0077	0.0004	2.52E-07	0.2993	0.0042	3.60E-08
321	*	*	0.00	0.000	0.000	0.1086	0.0067	0.0004	2.19E-07	0.2993	0.0042	3.60E-08
322		*	0.00	0.000	0.000	0.1086	0.0057	0.0003	1.90E-07	0.2993	0.0042	3.60E-08
323		*	0.00	0.000	0.000	0.1086	0.0049	0.0003	1.66E-07	0.2992	0.0042	3.60E-08
324		*	0.00	0.000	0.000	0.1086	0.0043	0.0002	1.45E-07	0.2992	0.0042	3.60E-08
325		*	0.00	0.000	0.000	0.1086	0.0037	0.0002	1.26E-07	0.2992	0.0042	3.60E-08

326	*	*	0.07	0.000	0.011	0.1086	0.0032	0.0002	1.11E-07	0.2991	0.0042	3.60E-08
327		*	0.47	0.080	0.000	0.1272	0.0027	0.0001	9.73E-08	0.2991	0.0042	3.60E-08
328		*	0.00	0.000	0.000	0.1272	0.0023	0.0001	8.63E-08	0.2991	0.0042	3.60E-08
329		*	0.00	0.000	0.000	0.1272	0.0020	0.0001	7.55E-08	0.2990	0.0042	3.60E-08
330		*	0.00	0.000	0.000	0.1272	0.0017	0.0001	6.70E-08	0.2990	0.0042	3.60E-08
331		*	0.06	0.000	0.005	0.1296	0.0015	0.0001	5.96E-08	0.2990	0.0042	3.60E-08
332	*	*	0.00	0.000	0.000	0.1296	0.0013	0.0001	5.32E-08	0.2990	0.0042	3.60E-08
333		*	0.09	0.000	0.005	0.1334	0.0011	0.0001	4.77E-08	0.2989	0.0042	3.60E-08
334		*	0.00	0.000	0.000	0.1334	0.0010	0.0001	4.30E-08	0.2989	0.0042	3.60E-08
335		*	0.00	0.000	0.000	0.1334	0.0008	0.0000	3.89E-08	0.2989	0.0042	3.60E-08
336	*	*	0.00	0.000	0.000	0.1334	0.0007	0.0000	3.54E-08	0.2988	0.0042	3.59E-08
337	*	*	0.00	0.000	0.000	0.1334	0.0006	0.0000	3.24E-08	0.2988	0.0042	3.59E-08
338		*	0.00	0.000	0.000	0.1334	0.0005	0.0000	2.98E-08	0.2988	0.0042	3.59E-08
339		*	0.00	0.000	0.000	0.1334	0.0005	0.0000	2.75E-08	0.2987	0.0042	3.59E-08
340		*	0.00	0.000	0.000	0.1334	0.0004	0.0000	2.56E-08	0.2987	0.0042	3.59E-08
341	*	*	0.05	0.000	0.016	0.1334	0.0003	0.0000	2.39E-08	0.2987	0.0042	3.59E-08
342	*	*	0.00	0.000	0.023	0.1334	0.0003	0.0000	2.25E-08	0.2986	0.0042	3.59E-08
343	*	*	0.00	0.000	0.007	0.1334	0.0002	0.0000	2.13E-08	0.2986	0.0042	3.59E-08
344	*	*	0.00	0.000	0.000	0.1334	0.0002	0.0000	2.02E-08	0.2986	0.0042	3.59E-08
345		*	0.00	0.000	0.000	0.1334	0.0002	0.0000	1.93E-08	0.2986	0.0042	3.59E-08
346	*	*	0.01	0.000	0.006	0.1334	0.0002	0.0000	1.85E-08	0.2985	0.0042	3.59E-08
347		*	0.00	0.000	0.000	0.1334	0.0001	0.0000	1.78E-08	0.2985	0.0042	3.59E-08
348	*	*	0.00	0.000	0.000	0.1334	0.0001	0.0000	1.72E-08	0.2985	0.0042	3.59E-08
349		*	0.06	0.000	0.004	0.1358	0.0001	0.0000	1.67E-08	0.2984	0.0042	3.59E-08
350	*	*	0.00	0.000	0.000	0.1358	0.0001	0.0000	1.63E-08	0.2984	0.0042	3.59E-08
351	*	*	0.00	0.000	0.000	0.1358	0.0001	0.0000	1.59E-08	0.2984	0.0042	3.59E-08
352	*	*	0.00	0.000	0.000	0.1358	0.0001	0.0000	1.56E-08	0.2983	0.0042	3.59E-08
353	*	*	0.00	0.000	0.000	0.1358	0.0001	0.0000	1.53E-08	0.2983	0.0042	3.59E-08
354	*	*	0.00	0.000	0.000	0.1358	0.0000	0.0000	1.51E-08	0.2983	0.0042	3.59E-08
355	*	*	0.00	0.000	0.000	0.1358	0.0000	0.0000	1.49E-08	0.2983	0.0042	3.59E-08
356	*	*	0.00	0.000	0.000	0.1358	0.0000	0.0000	1.47E-08	0.2982	0.0042	3.59E-08
357	*	*	0.00	0.000	0.000	0.1358	0.0000	0.0000	1.45E-08	0.2982	0.0042	3.59E-08
358		*	0.00	0.000	0.000	0.1358	0.0000	0.0000	1.44E-08	0.2982	0.0042	3.59E-08
359		*	0.00	0.000	0.000	0.1358	0.0000	0.0000	1.43E-08	0.2981	0.0042	3.59E-08
360		*	0.11	0.000	0.004	0.1401	0.0000	0.0000	1.42E-08	0.2981	0.0042	3.59E-08
361		*	0.06	0.000	0.004	0.1424	0.0000	0.0000	1.41E-08	0.2981	0.0042	3.59E-08
362		*	0.07	0.000	0.004	0.1452	0.0000	0.0000	1.40E-08	0.2980	0.0042	3.59E-08

363	*	0.00	0.000	0.000	0.1452	0.0000	0.0000	1.40E-08	0.2980	0.0042	3.58E-08
364	*	0.00	0.000	0.000	0.1452	0.0000	0.0000	1.39E-08	0.2980	0.0042	3.58E-08
365	*	0.00	0.000	0.000	0.1452	0.0000	0.0000	1.39E-08	0.2980	0.0042	3.58E-08

* = Frozen (air or soil)

Annual Totals for Year 14			
	inches	cubic feet	percent
Precipitation	26.45	807,538.0	100.00
Runoff	2.465	75,237.3	9.32
Evapotranspiration	19.027	580,868.4	71.93
Drainage Collected from Layer 2	4.1940	128,036.8	15.86
Percolation/Leakage through Layer 3	0.002468	75.4	0.01
Average Head on Top of Layer 3	0.2108	---	---
Drainage Collected from Layer 5	1.5707	47,952.1	5.94
Percolation/Leakage through Layer 7	0.000013	0.4072	0.00
Average Head on Top of Layer 6	0.3038	---	---
Change in Water Storage	-0.8044	-24,557.0	-3.04
Soil Water at Start of Year	304.1544	9,285,317.9	1149.83
Soil Water at End of Year	303.3506	9,260,777.7	1146.79
Snow Water at Start of Year	0.0005	16.8	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 15

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1452	0.0000	0.0000	1.38E-08	0.2979	0.0042	3.58E-08
2	*	*	0.00	0.000	0.000	0.1452	0.0000	0.0000	1.38E-08	0.2979	0.0042	3.58E-08
3	*	*	0.25	0.000	0.020	0.1452	0.0000	0.0000	1.38E-08	0.2979	0.0042	3.58E-08
4	*	*	0.00	0.000	0.026	0.1452	0.0000	0.0000	1.38E-08	0.2978	0.0042	3.58E-08
5		*	0.00	0.007	0.019	0.1528	0.0000	0.0000	1.37E-08	0.2978	0.0042	3.58E-08
6		*	0.00	0.000	0.000	0.1528	0.0000	0.0000	1.37E-08	0.2978	0.0042	3.58E-08
7		*	0.00	0.000	0.000	0.1528	0.0000	0.0000	1.37E-08	0.2977	0.0042	3.58E-08
8		*	0.00	0.000	0.000	0.1528	0.0000	0.0000	1.37E-08	0.2977	0.0042	3.58E-08
9		*	0.14	0.001	0.003	0.1586	0.0000	0.0000	1.37E-08	0.2977	0.0042	3.58E-08
10	*	*	0.00	0.000	0.000	0.1586	0.0000	0.0000	1.37E-08	0.2977	0.0042	3.58E-08
11	*	*	0.01	0.000	0.008	0.1586	0.0000	0.0000	1.37E-08	0.2976	0.0042	3.58E-08
12	*	*	0.00	0.000	0.000	0.1586	0.0000	0.0000	1.36E-08	0.2976	0.0042	3.58E-08
13		*	0.00	0.000	0.000	0.1586	0.0000	0.0000	1.36E-08	0.2976	0.0042	3.58E-08
14		*	0.14	0.001	0.003	0.1641	0.0000	0.0000	1.36E-08	0.2975	0.0042	3.58E-08
15	*	*	0.00	0.000	0.000	0.1641	0.0000	0.0000	1.36E-08	0.2975	0.0042	3.58E-08
16	*	*	0.00	0.000	0.000	0.1641	0.0000	0.0000	1.36E-08	0.2975	0.0042	3.58E-08
17	*	*	0.00	0.000	0.000	0.1641	0.0000	0.0000	1.36E-08	0.2974	0.0042	3.58E-08
18	*	*	0.04	0.000	0.011	0.1641	0.0000	0.0000	1.36E-08	0.2974	0.0042	3.58E-08
19	*	*	0.00	0.000	0.018	0.1641	0.0000	0.0000	1.36E-08	0.2974	0.0042	3.58E-08
20		*	0.01	0.000	0.017	0.1641	0.0000	0.0000	1.36E-08	0.2974	0.0042	3.58E-08
21		*	0.04	0.000	0.003	0.1656	0.0000	0.0000	1.36E-08	0.2973	0.0042	3.58E-08
22	*	*	0.00	0.000	0.004	0.1656	0.0000	0.0000	1.36E-08	0.2973	0.0042	3.58E-08
23	*	*	0.03	0.000	0.024	0.1656	0.0000	0.0000	1.36E-08	0.2973	0.0042	3.58E-08
24	*	*	0.00	0.000	0.006	0.1656	0.0000	0.0000	8.25E-09	0.2972	0.0042	3.58E-08
25	*	*	0.00	0.000	0.000	0.1656	0.0000	0.0000	0.00E+00	0.2972	0.0042	3.58E-08
26	*	*	0.12	0.000	0.008	0.1656	0.0000	0.0000	0.00E+00	0.2972	0.0042	3.57E-08
27	*	*	0.02	0.000	0.015	0.1656	0.0000	0.0000	0.00E+00	0.2971	0.0042	3.57E-08
28	*	*	0.00	0.000	0.021	0.1656	0.0000	0.0000	0.00E+00	0.2971	0.0042	3.57E-08
29	*	*	0.00	0.000	0.010	0.1656	0.0000	0.0000	0.00E+00	0.2971	0.0042	3.57E-08

30	*	*	0.00	0.000	0.006	0.1656	0.0000	0.0000	0.00E+00	0.2971	0.0042	3.57E-08
31	*	*	0.00	0.000	0.012	0.1656	0.0000	0.0000	0.00E+00	0.2970	0.0042	3.57E-08
32		*	0.00	0.000	0.030	0.1663	0.0000	0.0000	0.00E+00	0.2970	0.0042	3.57E-08
33	*	*	0.00	0.000	0.026	0.1663	0.0000	0.0000	0.00E+00	0.2970	0.0042	3.57E-08
34	*	*	0.00	0.000	0.000	0.1663	0.0000	0.0000	0.00E+00	0.2969	0.0042	3.57E-08
35	*	*	0.00	0.000	0.000	0.1663	0.0000	0.0000	0.00E+00	0.2969	0.0042	3.57E-08
36	*	*	0.00	0.000	0.000	0.1663	0.0000	0.0000	0.00E+00	0.2969	0.0042	3.57E-08
37	*	*	0.07	0.000	0.023	0.1663	0.0000	0.0000	0.00E+00	0.2968	0.0042	3.57E-08
38	*	*	0.14	0.000	0.008	0.1663	0.0000	0.0000	0.00E+00	0.2968	0.0042	3.57E-08
39	*	*	0.05	0.000	0.003	0.1663	0.0000	0.0000	0.00E+00	0.2968	0.0042	3.57E-08
40	*	*	0.34	0.000	0.007	0.1663	0.0000	0.0000	0.00E+00	0.2967	0.0042	3.57E-08
41		*	0.00	0.000	0.018	0.1695	0.0000	0.0000	0.00E+00	0.2967	0.0042	3.57E-08
42	*	*	0.00	0.000	0.022	0.1695	0.0000	0.0000	0.00E+00	0.2967	0.0042	3.57E-08
43	*	*	0.00	0.000	0.025	0.1695	0.0000	0.0000	0.00E+00	0.2967	0.0042	3.57E-08
44	*	*	0.07	0.000	0.010	0.1695	0.0000	0.0000	0.00E+00	0.2966	0.0042	3.57E-08
45	*	*	0.02	0.000	0.010	0.1695	0.0000	0.0000	0.00E+00	0.2966	0.0042	3.57E-08
46	*	*	0.00	0.000	0.015	0.1695	0.0000	0.0000	0.00E+00	0.2966	0.0042	3.57E-08
47	*	*	0.00	0.000	0.021	0.1695	0.0000	0.0000	0.00E+00	0.2965	0.0042	3.57E-08
48		*	0.00	0.011	0.004	0.1766	0.0000	0.0000	0.00E+00	0.2965	0.0042	3.57E-08
49		*	0.00	0.046	0.019	0.1851	0.0000	0.0000	0.00E+00	0.2965	0.0042	3.57E-08
50		*	0.00	0.000	0.000	0.1851	0.0000	0.0000	0.00E+00	0.2964	0.0042	3.57E-08
51		*	0.00	0.000	0.000	0.1851	0.0000	0.0000	0.00E+00	0.2964	0.0042	3.57E-08
52		*	0.00	0.000	0.002	0.1852	0.0000	0.0000	0.00E+00	0.2964	0.0042	3.56E-08
53		*	0.12	0.003	0.003	0.1901	0.0000	0.0000	0.00E+00	0.2963	0.0042	3.56E-08
54		*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2963	0.0042	3.56E-08
55		*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2963	0.0042	3.56E-08
56	*	*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2963	0.0042	3.56E-08
57		*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2962	0.0042	3.56E-08
58	*	*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2962	0.0042	3.56E-08
59	*	*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2962	0.0042	3.56E-08
60		*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2961	0.0042	3.56E-08
61	*	*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2961	0.0042	3.56E-08
62	*	*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2961	0.0042	3.56E-08
63	*	*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2960	0.0042	3.56E-08
64		*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2960	0.0042	3.56E-08
65		*	0.00	0.000	0.000	0.1901	0.0000	0.0000	0.00E+00	0.2960	0.0042	3.56E-08
66	*	*	0.06	0.000	0.050	0.1901	0.0000	0.0000	0.00E+00	0.2959	0.0042	3.56E-08

67	*	*	0.45	0.000	0.008	0.1901	0.0000	0.0000	0.00E+00	0.2959	0.0042	3.56E-08
68		*	0.19	0.329	0.000	0.2032	0.0000	0.0000	0.00E+00	0.2959	0.0042	3.56E-08
69	*	*	0.00	0.000	0.000	0.2032	0.0000	0.0000	0.00E+00	0.2958	0.0042	3.56E-08
70		*	0.00	0.000	0.000	0.2032	0.0000	0.0000	0.00E+00	0.2958	0.0042	3.56E-08
71		*	0.30	0.091	0.002	0.2117	0.0000	0.0000	0.00E+00	0.2958	0.0042	3.56E-08
72		*	0.26	0.072	0.002	0.2193	0.0000	0.0000	0.00E+00	0.2958	0.0042	3.56E-08
73		*	0.04	0.000	0.002	0.2207	0.0000	0.0000	0.00E+00	0.2957	0.0042	3.56E-08
74	*	*	0.32	0.000	0.015	0.2207	0.0000	0.0000	0.00E+00	0.2957	0.0042	3.56E-08
75		*	0.00	0.117	0.071	0.2258	0.0000	0.0000	0.00E+00	0.2957	0.0042	3.56E-08
76		*	0.00	0.000	0.000	0.2258	0.0000	0.0000	0.00E+00	0.2956	0.0042	3.56E-08
77		*	0.00	0.000	0.000	0.2258	0.0000	0.0000	0.00E+00	0.2956	0.0042	3.56E-08
78		*	0.00	0.000	0.000	0.2258	0.0000	0.0000	0.00E+00	0.2956	0.0042	3.56E-08
79		*	0.00	0.000	0.000	0.2258	0.0000	0.0000	0.00E+00	0.2955	0.0042	3.55E-08
80	*	*	0.00	0.000	0.000	0.2258	0.0000	0.0000	0.00E+00	0.2955	0.0042	3.55E-08
81		*	0.00	0.000	0.000	0.2258	0.0000	0.0000	0.00E+00	0.2955	0.0042	3.55E-08
82		*	0.29	0.114	0.002	0.2332	0.0000	0.0000	0.00E+00	0.2954	0.0042	3.55E-08
83	*	*	0.06	0.000	0.014	0.2332	0.0000	0.0000	0.00E+00	0.2954	0.0042	3.55E-08
84	*	*	0.70	0.000	0.019	0.2332	0.0000	0.0000	0.00E+00	0.2954	0.0042	3.55E-08
85		*	0.13	0.615	0.000	0.2431	0.0000	0.0000	0.00E+00	0.2953	0.0042	3.55E-08
86		*	0.00	0.000	0.000	0.2431	0.0000	0.0000	0.00E+00	0.2953	0.0042	3.55E-08
87	*	*	0.00	0.000	0.000	0.2431	0.0000	0.0000	0.00E+00	0.2953	0.0042	3.55E-08
88	*	*	0.00	0.000	0.000	0.2431	0.0000	0.0000	0.00E+00	0.2953	0.0042	3.55E-08
89		*	0.00	0.000	0.000	0.2431	0.0000	0.0000	0.00E+00	0.2952	0.0042	3.55E-08
90		*	0.01	0.000	0.002	0.2433	0.0000	0.0000	0.00E+00	0.2952	0.0042	3.55E-08
91		*	0.00	0.000	0.000	0.2433	0.0000	0.0000	0.00E+00	0.2952	0.0042	3.55E-08
92			0.00	0.000	0.141	0.2288	3.7980	0.2070	1.26E-04	0.2952	0.0042	3.55E-08
93			0.04	0.000	0.123	0.2099	6.8432	0.3730	2.26E-04	0.2956	0.0042	3.56E-08
94			0.00	0.000	0.121	0.1910	6.1104	0.3331	2.00E-04	0.2961	0.0042	3.56E-08
95			0.26	0.000	0.237	0.1795	5.4687	0.2981	1.79E-04	0.2965	0.0042	3.57E-08
96			0.02	0.000	0.238	0.1610	4.1697	0.2273	1.35E-04	0.2968	0.0042	3.57E-08
97			0.00	0.000	0.245	0.1429	3.5065	0.1911	1.13E-04	0.2969	0.0042	3.57E-08
98			0.00	0.000	0.130	0.1304	3.1039	0.1692	9.94E-05	0.2970	0.0042	3.57E-08
99			0.22	0.000	0.056	0.1308	2.7559	0.1502	8.80E-05	0.2970	0.0042	3.57E-08
100			0.00	0.000	0.041	0.1235	2.4520	0.1337	7.81E-05	0.2970	0.0042	3.57E-08
101			0.93	0.000	0.037	0.1558	2.1815	0.1189	6.93E-05	0.2970	0.0042	3.57E-08
102	*		0.00	0.000	0.000	0.1514	1.9381	0.1056	6.15E-05	0.2969	0.0042	3.57E-08
103	*		0.00	0.000	0.106	0.1431	1.7130	0.0934	5.42E-05	0.2968	0.0042	3.57E-08

104	*	0.00	0.000	0.000	0.1396	1.5204	0.0829	4.80E-05	0.2967	0.0042	3.57E-08
105	*	0.00	0.000	0.000	0.1365	1.3540	0.0738	4.27E-05	0.2966	0.0042	3.57E-08
106		0.00	0.000	0.127	0.1285	1.2088	0.0659	3.81E-05	0.2964	0.0042	3.57E-08
107		0.00	0.000	0.119	0.1211	1.0728	0.0585	3.38E-05	0.2963	0.0042	3.56E-08
108		0.00	0.000	0.171	0.1119	0.9300	0.0507	2.92E-05	0.2961	0.0042	3.56E-08
109		0.00	0.000	0.122	0.1049	0.8298	0.0452	2.61E-05	0.2959	0.0042	3.56E-08
110		0.01	0.000	0.112	0.0992	0.7425	0.0405	2.33E-05	0.2958	0.0042	3.56E-08
111		0.08	0.000	0.056	0.0984	0.6645	0.0362	2.08E-05	0.2956	0.0042	3.56E-08
112	*	1.10	0.000	0.035	0.0979	0.5911	0.0322	1.85E-05	0.2954	0.0042	3.55E-08
113	*	0.02	0.000	0.040	0.0976	0.5171	0.0282	1.62E-05	0.2953	0.0042	3.55E-08
114	*	0.07	0.000	0.028	0.0974	0.4470	0.0244	1.40E-05	0.2951	0.0042	3.55E-08
115		0.00	0.000	0.055	0.1370	0.3857	0.0210	1.21E-05	0.2949	0.0042	3.55E-08
116		0.22	0.000	0.316	0.1322	0.3409	0.0186	1.06E-05	0.2948	0.0042	3.55E-08
117		0.00	0.000	0.414	0.1142	0.3131	0.0171	9.78E-06	0.2946	0.0042	3.54E-08
118		0.00	0.000	0.295	0.1013	0.2844	0.0155	8.88E-06	0.2945	0.0042	3.54E-08
119		0.00	0.000	0.130	0.0952	0.2609	0.0142	8.14E-06	0.2943	0.0042	3.54E-08
120		0.00	0.000	0.054	0.0924	0.2600	0.0142	8.11E-06	0.2942	0.0042	3.54E-08
121		0.00	0.000	0.041	0.0901	0.2495	0.0136	7.79E-06	0.2940	0.0042	3.54E-08
122		0.02	0.000	0.037	0.0889	0.2354	0.0128	7.34E-06	0.2939	0.0042	3.53E-08
123		0.21	0.000	0.032	0.0956	0.2184	0.0119	6.81E-06	0.2938	0.0042	3.53E-08
124		0.00	0.000	0.028	0.0940	0.1939	0.0106	6.05E-06	0.2936	0.0042	3.53E-08
125		0.27	0.000	0.027	0.1038	0.1682	0.0092	5.24E-06	0.2935	0.0042	3.53E-08
126		0.00	0.000	0.025	0.1026	0.1466	0.0080	4.57E-06	0.2934	0.0042	3.53E-08
127		0.00	0.000	0.022	0.1014	0.1293	0.0070	4.03E-06	0.2933	0.0042	3.53E-08
128		0.57	0.000	0.023	0.1241	0.1171	0.0064	3.65E-06	0.2932	0.0042	3.53E-08
129		0.00	0.000	0.300	0.1113	0.1205	0.0066	3.75E-06	0.2931	0.0042	3.52E-08
130		0.00	0.000	0.132	0.1056	0.1249	0.0068	3.89E-06	0.2930	0.0042	3.52E-08
131		0.00	0.000	0.130	0.0999	0.1076	0.0059	3.35E-06	0.2929	0.0041	3.52E-08
132		0.00	0.000	0.054	0.0974	0.1000	0.0055	3.11E-06	0.2928	0.0041	3.52E-08
133	*	0.00	0.000	0.042	0.0954	0.1050	0.0057	3.27E-06	0.2927	0.0041	3.52E-08
134		0.01	0.000	0.037	0.0941	0.1111	0.0061	3.46E-06	0.2926	0.0041	3.52E-08
135		0.02	0.000	0.033	0.0933	0.1162	0.0063	3.62E-06	0.2925	0.0041	3.52E-08
136		0.14	0.000	0.030	0.0976	0.1195	0.0065	3.72E-06	0.2924	0.0041	3.52E-08
137		0.00	0.000	0.026	0.0962	0.1212	0.0066	3.78E-06	0.2924	0.0041	3.52E-08
138		0.00	0.000	0.025	0.0949	0.1253	0.0068	3.90E-06	0.2923	0.0041	3.52E-08
139		0.15	0.000	0.025	0.0997	0.1260	0.0069	3.93E-06	0.2922	0.0041	3.51E-08
140		1.88	0.000	0.025	0.1769	0.1217	0.0066	3.79E-06	0.2922	0.0041	3.51E-08

141	0.00	0.000	0.275	0.1643	0.5084	0.0277	1.60E-05	0.2921	0.0041	3.51E-08
142	0.11	0.000	0.168	0.1581	1.6585	0.0904	5.25E-05	0.2921	0.0041	3.51E-08
143	0.00	0.000	0.278	0.1428	1.6633	0.0907	5.26E-05	0.2922	0.0041	3.51E-08
144	0.18	0.000	0.136	0.1411	1.6187	0.0882	5.12E-05	0.2923	0.0041	3.52E-08
145	0.05	0.000	0.057	0.1372	1.5696	0.0856	4.96E-05	0.2923	0.0041	3.52E-08
146	0.00	0.000	0.043	0.1322	1.4421	0.0786	4.55E-05	0.2923	0.0041	3.52E-08
147	0.00	0.000	0.038	0.1276	1.3144	0.0717	4.15E-05	0.2923	0.0041	3.52E-08
148	0.00	0.000	0.036	0.1234	1.1938	0.0651	3.76E-05	0.2923	0.0041	3.52E-08
149	0.00	0.000	0.035	0.1195	1.0906	0.0595	3.43E-05	0.2923	0.0041	3.52E-08
150	0.13	0.000	0.030	0.1213	0.9979	0.0544	3.14E-05	0.2923	0.0041	3.52E-08
151	0.08	0.000	0.028	0.1213	0.9213	0.0502	2.90E-05	0.2923	0.0041	3.52E-08
152	0.10	0.000	0.119	0.1183	0.8495	0.0463	2.67E-05	0.2922	0.0041	3.51E-08
153	0.10	0.000	0.027	0.1197	0.7898	0.0431	2.48E-05	0.2922	0.0041	3.51E-08
154	0.06	0.000	0.109	0.1161	0.7212	0.0393	2.26E-05	0.2922	0.0041	3.51E-08
155	0.20	0.000	0.112	0.1182	0.6560	0.0358	2.06E-05	0.2921	0.0041	3.51E-08
156	0.12	0.000	0.211	0.1130	0.6102	0.0333	1.91E-05	0.2920	0.0041	3.51E-08
157	0.31	0.000	0.094	0.1209	0.5505	0.0300	1.72E-05	0.2920	0.0041	3.51E-08
158	0.71	0.000	0.127	0.1443	0.4842	0.0264	1.51E-05	0.2919	0.0041	3.51E-08
159	1.44	0.000	0.244	0.1934	0.4273	0.0233	1.34E-05	0.2918	0.0041	3.51E-08
160	0.12	0.000	0.220	0.1850	1.8492	0.1008	5.87E-05	0.2918	0.0041	3.51E-08
161	0.00	0.000	0.297	0.1666	2.6502	0.1445	8.46E-05	0.2919	0.0041	3.51E-08
162	0.00	0.000	0.320	0.1476	2.5015	0.1364	7.97E-05	0.2920	0.0041	3.51E-08
163	0.44	0.000	0.140	0.1548	2.3649	0.1289	7.53E-05	0.2921	0.0041	3.51E-08
164	0.45	0.000	0.162	0.1619	2.1244	0.1158	6.75E-05	0.2921	0.0041	3.51E-08
165	0.44	0.000	0.408	0.1591	1.8852	0.1028	5.98E-05	0.2921	0.0041	3.51E-08
166	0.00	0.000	0.266	0.1442	1.6699	0.0910	5.28E-05	0.2921	0.0041	3.51E-08
167	0.00	0.000	0.155	0.1343	1.5196	0.0828	4.80E-05	0.2921	0.0041	3.51E-08
168	0.00	0.000	0.365	0.1159	1.4040	0.0765	4.43E-05	0.2921	0.0041	3.51E-08
169	0.00	0.000	0.140	0.1071	1.2934	0.0705	4.08E-05	0.2920	0.0041	3.51E-08
170	0.00	0.000	0.071	0.1015	1.1947	0.0651	3.76E-05	0.2920	0.0041	3.51E-08
171	0.58	0.000	0.052	0.1211	1.0789	0.0588	3.40E-05	0.2919	0.0041	3.51E-08
172	0.00	0.000	0.281	0.1072	0.9676	0.0527	3.04E-05	0.2918	0.0041	3.51E-08
173	0.00	0.000	0.048	0.1033	0.8595	0.0469	2.70E-05	0.2918	0.0041	3.51E-08
174	0.00	0.000	0.049	0.0995	0.7499	0.0409	2.35E-05	0.2917	0.0041	3.51E-08
175	0.00	0.000	0.039	0.0965	0.6544	0.0357	2.05E-05	0.2916	0.0041	3.51E-08
176	0.05	0.000	0.039	0.0957	0.5713	0.0311	1.79E-05	0.2915	0.0041	3.51E-08
177	0.04	0.000	0.045	0.0945	0.5009	0.0273	1.57E-05	0.2914	0.0041	3.50E-08

178	0.00	0.000	0.046	0.0916	0.4406	0.0240	1.38E-05	0.2913	0.0041	3.50E-08
179	0.21	0.000	0.053	0.0973	0.3808	0.0208	1.19E-05	0.2912	0.0041	3.50E-08
180	0.18	0.000	0.054	0.1020	0.3302	0.0180	1.03E-05	0.2911	0.0041	3.50E-08
181	0.10	0.000	0.327	0.0918	0.2930	0.0160	9.15E-06	0.2910	0.0041	3.50E-08
182	0.17	0.000	0.058	0.0959	0.2706	0.0148	8.45E-06	0.2909	0.0041	3.50E-08
183	0.48	0.000	0.132	0.1099	0.2404	0.0131	7.50E-06	0.2908	0.0041	3.50E-08
184	0.20	0.000	0.385	0.1018	0.2096	0.0114	6.54E-06	0.2907	0.0041	3.50E-08
185	0.00	0.000	0.361	0.0863	0.1792	0.0098	5.59E-06	0.2906	0.0041	3.49E-08
186	0.00	0.000	0.166	0.0790	0.1826	0.0100	5.70E-06	0.2905	0.0041	3.49E-08
187	0.27	0.000	0.075	0.0866	0.1938	0.0106	6.05E-06	0.2904	0.0041	3.49E-08
188	0.11	0.000	0.083	0.0872	0.1934	0.0105	6.03E-06	0.2903	0.0041	3.49E-08
189	0.01	0.000	0.312	0.0742	0.1860	0.0101	5.80E-06	0.2902	0.0041	3.49E-08
190	0.00	0.000	0.072	0.0708	0.1820	0.0099	5.67E-06	0.2902	0.0041	3.49E-08
191	0.05	0.000	0.075	0.0694	0.1705	0.0093	5.32E-06	0.2901	0.0041	3.49E-08
192	0.00	0.000	0.094	0.0651	0.1589	0.0087	4.95E-06	0.2900	0.0041	3.49E-08
193	0.00	0.000	0.104	0.0604	0.1481	0.0081	4.62E-06	0.2900	0.0041	3.49E-08
194	0.00	0.000	0.074	0.0570	0.1369	0.0075	4.27E-06	0.2899	0.0041	3.49E-08
195	0.01	0.000	0.086	0.0536	0.1255	0.0068	3.91E-06	0.2898	0.0041	3.49E-08
196	0.08	0.000	0.093	0.0528	0.1147	0.0063	3.58E-06	0.2898	0.0041	3.48E-08
197	0.04	0.000	0.110	0.0496	0.1291	0.0070	4.02E-06	0.2897	0.0041	3.48E-08
198	0.04	0.000	0.068	0.0480	0.1825	0.0099	5.69E-06	0.2897	0.0041	3.48E-08
199	0.00	0.000	0.060	0.0451	0.1828	0.0100	5.70E-06	0.2896	0.0041	3.48E-08
200	0.02	0.000	0.104	0.0413	0.1378	0.0075	4.30E-06	0.2896	0.0041	3.48E-08
201	0.14	0.000	0.082	0.0438	0.0332	0.0018	1.02E-06	0.2895	0.0041	3.48E-08
202	0.16	0.000	0.083	0.0471	0.0000	0.0000	0.00E+00	0.2895	0.0041	3.48E-08
203	0.15	0.000	0.061	0.0507	0.0000	0.0000	0.00E+00	0.2894	0.0041	3.48E-08
204	0.24	0.000	0.181	0.0532	0.0000	0.0000	0.00E+00	0.2894	0.0041	3.48E-08
205	0.01	0.000	0.083	0.0501	0.0000	0.0000	0.00E+00	0.2893	0.0041	3.48E-08
206	0.00	0.000	0.242	0.0401	0.0000	0.0000	0.00E+00	0.2893	0.0041	3.48E-08
207	1.29	0.000	0.110	0.0892	0.0000	0.0000	0.00E+00	0.2893	0.0041	3.48E-08
208	1.65	0.000	0.298	0.1455	0.0000	0.0000	0.00E+00	0.2892	0.0041	3.48E-08
209	0.13	0.000	0.244	0.1409	0.0000	0.0000	0.00E+00	0.2892	0.0041	3.48E-08
210	0.07	0.000	0.366	0.1286	0.0045	0.0002	1.41E-07	0.2892	0.0041	3.48E-08
211	0.83	0.000	0.138	0.1567	0.2028	0.0111	6.33E-06	0.2891	0.0041	3.48E-08
212	0.00	0.000	0.132	0.1504	0.3581	0.0195	1.12E-05	0.2891	0.0041	3.48E-08
213	0.00	0.000	0.209	0.1407	0.4458	0.0243	1.39E-05	0.2891	0.0041	3.48E-08
214	0.13	0.000	0.333	0.1308	0.7025	0.0383	2.20E-05	0.2891	0.0041	3.48E-08

215	0.09	0.000	0.337	0.1186	0.7977	0.0435	2.50E-05	0.2892	0.0041	3.48E-08
216	0.03	0.000	0.260	0.1071	0.8079	0.0440	2.54E-05	0.2892	0.0041	3.48E-08
217	0.00	0.000	0.166	0.0984	0.7718	0.0421	2.42E-05	0.2892	0.0041	3.48E-08
218	0.66	0.000	0.187	0.1165	0.7816	0.0426	2.45E-05	0.2892	0.0041	3.48E-08
219	0.12	0.000	0.169	0.1128	0.7068	0.0385	2.22E-05	0.2893	0.0041	3.48E-08
220	0.16	0.000	0.283	0.1061	0.6722	0.0366	2.11E-05	0.2893	0.0041	3.48E-08
221	0.18	0.000	0.288	0.1000	0.6708	0.0366	2.10E-05	0.2893	0.0041	3.48E-08
222	0.06	0.000	0.265	0.0901	0.6532	0.0356	2.05E-05	0.2893	0.0041	3.48E-08
223	0.00	0.000	0.247	0.0786	0.6258	0.0341	1.96E-05	0.2893	0.0041	3.48E-08
224	0.00	0.000	0.179	0.0698	0.5759	0.0314	1.80E-05	0.2893	0.0041	3.48E-08
225	0.00	0.000	0.142	0.0627	0.5308	0.0289	1.66E-05	0.2893	0.0041	3.48E-08
226	0.00	0.000	0.152	0.0550	0.5800	0.0316	1.82E-05	0.2893	0.0041	3.48E-08
227	0.24	0.000	0.098	0.0595	0.6646	0.0362	2.08E-05	0.2892	0.0041	3.48E-08
228	0.00	0.000	0.073	0.0551	0.6019	0.0328	1.89E-05	0.2892	0.0041	3.48E-08
229	0.00	0.000	0.090	0.0501	0.5417	0.0295	1.70E-05	0.2892	0.0041	3.48E-08
230	0.00	0.000	0.085	0.0456	0.4276	0.0233	1.34E-05	0.2892	0.0041	3.48E-08
231	0.00	0.000	0.102	0.0407	0.2958	0.0161	9.24E-06	0.2892	0.0041	3.48E-08
232	0.00	0.000	0.039	0.0387	0.1744	0.0095	5.44E-06	0.2891	0.0041	3.48E-08
233	0.00	0.000	0.061	0.0360	0.0484	0.0024	1.35E-06	0.2891	0.0041	3.48E-08
234	0.00	0.000	0.027	0.0349	0.0000	0.0000	0.00E+00	0.2890	0.0041	3.48E-08
235	0.13	0.000	0.041	0.0387	0.0000	0.0000	0.00E+00	0.2890	0.0041	3.48E-08
236	0.00	0.000	0.026	0.0377	0.0000	0.0000	0.00E+00	0.2889	0.0041	3.47E-08
237	0.40	0.000	0.049	0.0524	0.0000	0.0000	0.00E+00	0.2889	0.0041	3.47E-08
238	0.11	0.000	0.115	0.0521	0.0000	0.0000	0.00E+00	0.2888	0.0041	3.47E-08
239	0.00	0.000	0.113	0.0474	0.0000	0.0000	0.00E+00	0.2888	0.0041	3.47E-08
240	0.37	0.000	0.154	0.0563	0.0000	0.0000	0.00E+00	0.2887	0.0041	3.47E-08
241	0.00	0.000	0.104	0.0519	0.0000	0.0000	0.00E+00	0.2887	0.0041	3.47E-08
242	0.00	0.000	0.079	0.0486	0.0000	0.0000	0.00E+00	0.2887	0.0041	3.47E-08
243	0.00	0.000	0.134	0.0431	0.0000	0.0000	0.00E+00	0.2886	0.0041	3.47E-08
244	0.00	0.000	0.124	0.0379	0.0000	0.0000	0.00E+00	0.2886	0.0041	3.47E-08
245	0.00	0.000	0.108	0.0334	0.0000	0.0000	0.00E+00	0.2886	0.0041	3.47E-08
246	0.00	0.000	0.009	0.0330	0.0000	0.0000	0.00E+00	0.2885	0.0041	3.47E-08
247	0.00	0.000	0.004	0.0328	0.0000	0.0000	0.00E+00	0.2885	0.0041	3.47E-08
248	0.00	0.000	0.008	0.0325	0.0000	0.0000	0.00E+00	0.2885	0.0041	3.47E-08
249	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2885	0.0041	3.47E-08
250	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2884	0.0041	3.47E-08
251	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.2884	0.0041	3.47E-08

252	0.02	0.000	0.014	0.0327	0.0000	0.0000	0.00E+00	0.2884	0.0041	3.47E-08
253	0.00	0.000	0.002	0.0326	0.0000	0.0000	0.00E+00	0.2884	0.0041	3.47E-08
254	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.2883	0.0041	3.47E-08
255	0.03	0.000	0.017	0.0331	0.0000	0.0000	0.00E+00	0.2883	0.0041	3.47E-08
256	0.03	0.000	0.017	0.0338	0.0000	0.0000	0.00E+00	0.2883	0.0041	3.47E-08
257	0.31	0.000	0.027	0.0455	0.0000	0.0000	0.00E+00	0.2883	0.0041	3.47E-08
258	0.00	0.000	0.094	0.0416	0.0000	0.0000	0.00E+00	0.2883	0.0041	3.47E-08
259	0.09	0.000	0.124	0.0402	0.0000	0.0000	0.00E+00	0.2882	0.0041	3.47E-08
260	0.19	0.000	0.115	0.0434	0.0000	0.0000	0.00E+00	0.2882	0.0041	3.47E-08
261	0.00	0.000	0.098	0.0393	0.0000	0.0000	0.00E+00	0.2882	0.0041	3.47E-08
262	0.02	0.000	0.105	0.0358	0.0000	0.0000	0.00E+00	0.2882	0.0041	3.47E-08
263	0.05	0.000	0.057	0.0353	0.0000	0.0000	0.00E+00	0.2882	0.0041	3.47E-08
264	0.54	0.000	0.042	0.0561	0.0000	0.0000	0.00E+00	0.2882	0.0041	3.47E-08
265	0.03	0.000	0.050	0.0553	0.0000	0.0000	0.00E+00	0.2881	0.0041	3.47E-08
266	0.00	0.000	0.047	0.0533	0.0000	0.0000	0.00E+00	0.2881	0.0041	3.47E-08
267	0.00	0.000	0.112	0.0487	0.0000	0.0000	0.00E+00	0.2881	0.0041	3.46E-08
268	0.00	0.000	0.047	0.0467	0.0000	0.0000	0.00E+00	0.2881	0.0041	3.46E-08
269	0.00	0.000	0.053	0.0445	0.0000	0.0000	0.00E+00	0.2881	0.0041	3.46E-08
270	0.00	0.000	0.116	0.0397	0.0000	0.0000	0.00E+00	0.2881	0.0041	3.46E-08
271	0.00	0.000	0.147	0.0335	0.0000	0.0000	0.00E+00	0.2881	0.0041	3.46E-08
272	0.00	0.000	0.005	0.0333	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
273	0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
274	0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
275	0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
276	0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
277	0.09	0.000	0.014	0.0363	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
278	0.18	0.000	0.014	0.0434	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
279	0.36	0.000	0.130	0.0529	0.0000	0.0000	0.00E+00	0.2880	0.0041	3.46E-08
280	0.00	0.000	0.089	0.0492	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
281	0.00	0.000	0.179	0.0418	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
282	0.00	0.000	0.130	0.0364	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
283	0.00	0.000	0.053	0.0341	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
284	0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
285	0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
286	0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
287	0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2879	0.0041	3.46E-08
288	0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08

289			0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08
290			0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08
291			0.00	0.000	0.000	0.0341	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08
292			0.07	0.000	0.012	0.0366	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08
293			0.06	0.000	0.011	0.0386	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08
294			0.00	0.000	0.010	0.0382	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08
295			0.00	0.000	0.012	0.0378	0.0000	0.0000	0.00E+00	0.2878	0.0041	3.46E-08
296	*		0.00	0.000	0.000	0.0378	0.0000	0.0000	0.00E+00	0.2877	0.0041	3.46E-08
297	*		0.14	0.000	0.007	0.0386	0.0000	0.0000	0.00E+00	0.2877	0.0041	3.46E-08
298			0.02	0.000	0.041	0.0427	0.0000	0.0000	0.00E+00	0.2877	0.0041	3.46E-08
299			0.32	0.000	0.030	0.0550	0.0000	0.0000	0.00E+00	0.2877	0.0041	3.46E-08
300			0.00	0.000	0.035	0.0535	0.0000	0.0000	0.00E+00	0.2877	0.0041	3.46E-08
301			0.00	0.000	0.064	0.0509	0.0000	0.0000	0.00E+00	0.2877	0.0041	3.46E-08
302			0.00	0.000	0.086	0.0473	0.0000	0.0000	0.00E+00	0.2877	0.0041	3.46E-08
303			0.00	0.000	0.072	0.0443	0.0000	0.0000	0.00E+00	0.2876	0.0041	3.46E-08
304	*		0.12	0.000	0.028	0.0451	0.0000	0.0000	0.00E+00	0.2876	0.0041	3.46E-08
305			0.03	0.000	0.077	0.0462	0.0000	0.0000	0.00E+00	0.2876	0.0041	3.46E-08
306	*		0.00	0.000	0.019	0.0454	0.0000	0.0000	0.00E+00	0.2876	0.0041	3.46E-08
307	*		0.00	0.000	0.000	0.0454	0.0000	0.0000	0.00E+00	0.2876	0.0041	3.46E-08
308	*		0.00	0.000	0.000	0.0454	0.0000	0.0000	0.00E+00	0.2876	0.0041	3.46E-08
309			0.00	0.000	0.024	0.0444	0.0000	0.0000	0.00E+00	0.2875	0.0041	3.46E-08
310	*		0.00	0.000	0.021	0.0435	0.0000	0.0000	0.00E+00	0.2875	0.0041	3.46E-08
311	*		0.00	0.000	0.000	0.0435	0.0000	0.0000	0.00E+00	0.2875	0.0041	3.46E-08
312	*		0.00	0.000	0.000	0.0435	0.0000	0.0000	0.00E+00	0.2875	0.0041	3.46E-08
313			0.00	0.000	0.023	0.0426	0.0000	0.0000	0.00E+00	0.2875	0.0041	3.46E-08
314	*		0.00	0.000	0.005	0.0426	0.0000	0.0000	0.00E+00	0.2875	0.0041	3.46E-08
315	*		0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2874	0.0041	3.46E-08
316	*		0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2874	0.0041	3.46E-08
317	*		0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2874	0.0041	3.46E-08
318	*	*	0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2874	0.0041	3.46E-08
319		*	0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2874	0.0041	3.46E-08
320	*	*	0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2874	0.0041	3.46E-08
321	*	*	0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2873	0.0041	3.46E-08
322		*	0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2873	0.0041	3.46E-08
323	*	*	0.00	0.000	0.000	0.0426	0.0000	0.0000	0.00E+00	0.2873	0.0041	3.46E-08
324	*	*	0.02	0.000	0.007	0.0426	0.0000	0.0000	0.00E+00	0.2873	0.0041	3.45E-08
325	*	*	0.09	0.000	0.016	0.0426	0.0000	0.0000	0.00E+00	0.2873	0.0041	3.45E-08

326	*	*	0.00	0.000	0.007	0.0426	0.0000	0.0000	0.00E+00	0.2872	0.0041	3.45E-08
327	*	*	0.09	0.000	0.003	0.0426	0.0000	0.0000	0.00E+00	0.2872	0.0041	3.45E-08
328	*	*	0.00	0.000	0.004	0.0426	0.0000	0.0000	0.00E+00	0.2872	0.0041	3.45E-08
329	*	*	0.00	0.000	0.005	0.0426	0.0000	0.0000	0.00E+00	0.2872	0.0041	3.45E-08
330	*	*	0.00	0.000	0.002	0.0426	0.0000	0.0000	0.00E+00	0.2872	0.0041	3.45E-08
331	*	*	0.00	0.000	0.005	0.0426	0.0000	0.0000	0.00E+00	0.2871	0.0041	3.45E-08
332	*	*	0.00	0.000	0.008	0.0426	0.0000	0.0000	0.00E+00	0.2871	0.0041	3.45E-08
333	*	*	0.00	0.000	0.003	0.0426	0.0000	0.0000	0.00E+00	0.2871	0.0041	3.45E-08
334	*	*	0.00	0.000	0.001	0.0426	0.0000	0.0000	0.00E+00	0.2871	0.0041	3.45E-08
335	*	*	0.00	0.000	0.001	0.0426	0.0000	0.0000	0.00E+00	0.2871	0.0041	3.45E-08
336	*	*	0.00	0.000	0.009	0.0426	0.0000	0.0000	0.00E+00	0.2870	0.0041	3.45E-08
337	*	*	0.00	0.000	0.008	0.0426	0.0000	0.0000	0.00E+00	0.2870	0.0041	3.45E-08
338	*	*	0.00	0.000	0.007	0.0426	0.0000	0.0000	0.00E+00	0.2870	0.0041	3.45E-08
339	*	*	0.00	0.000	0.006	0.0426	0.0000	0.0000	0.00E+00	0.2870	0.0041	3.45E-08
340	*	*	0.00	0.000	0.010	0.0426	0.0000	0.0000	0.00E+00	0.2870	0.0041	3.45E-08
341	*	*	0.00	0.000	0.017	0.0426	0.0000	0.0000	0.00E+00	0.2869	0.0041	3.45E-08
342		*	0.01	0.000	0.029	0.0457	0.0000	0.0000	0.00E+00	0.2869	0.0041	3.45E-08
343		*	0.02	0.000	0.005	0.0461	0.0000	0.0000	0.00E+00	0.2869	0.0041	3.45E-08
344	*	*	0.00	0.000	0.003	0.0461	0.0000	0.0000	0.00E+00	0.2869	0.0041	3.45E-08
345		*	0.00	0.000	0.003	0.0461	0.0000	0.0000	0.00E+00	0.2868	0.0041	3.45E-08
346	*	*	0.14	0.000	0.026	0.0461	0.0000	0.0000	0.00E+00	0.2868	0.0041	3.45E-08
347	*	*	0.00	0.000	0.018	0.0461	0.0000	0.0000	0.00E+00	0.2868	0.0041	3.45E-08
348		*	0.00	0.000	0.029	0.0490	0.0000	0.0000	0.00E+00	0.2868	0.0041	3.45E-08
349		*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2868	0.0041	3.45E-08
350		*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2867	0.0041	3.45E-08
351	*	*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2867	0.0041	3.45E-08
352	*	*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2867	0.0041	3.45E-08
353	*	*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2867	0.0041	3.45E-08
354	*	*	0.05	0.000	0.008	0.0490	0.0000	0.0000	0.00E+00	0.2866	0.0041	3.45E-08
355	*	*	0.00	0.000	0.003	0.0490	0.0000	0.0000	0.00E+00	0.2866	0.0041	3.45E-08
356	*	*	0.00	0.000	0.004	0.0490	0.0000	0.0000	0.00E+00	0.2866	0.0041	3.45E-08
357	*	*	0.00	0.000	0.008	0.0490	0.0000	0.0000	0.00E+00	0.2866	0.0041	3.45E-08
358		*	0.00	0.000	0.027	0.0490	0.0000	0.0000	0.00E+00	0.2865	0.0041	3.45E-08
359	*	*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2865	0.0041	3.45E-08
360	*	*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2865	0.0041	3.45E-08
361	*	*	0.03	0.000	0.012	0.0490	0.0000	0.0000	0.00E+00	0.2865	0.0041	3.45E-08
362	*	*	0.08	0.000	0.005	0.0490	0.0000	0.0000	0.00E+00	0.2865	0.0041	3.44E-08

363	*	*	0.00	0.000	0.021	0.0490	0.0000	0.0000	0.00E+00	0.2864	0.0041	3.44E-08
364	*	*	0.00	0.000	0.023	0.0490	0.0000	0.0000	0.00E+00	0.2864	0.0041	3.44E-08
365	*	*	0.00	0.000	0.010	0.0490	0.0000	0.0000	0.00E+00	0.2864	0.0041	3.44E-08

* = Frozen (air or soil)

Annual Totals for Year 15			
	inches	cubic feet	percent
Precipitation	29.02	885,787.3	100.00
Runoff	1.406	42,921.3	4.85
Evapotranspiration	23.279	710,668.0	80.23
Drainage Collected from Layer 2	6.5941	201,306.9	22.73
Percolation/Leakage through Layer 3	0.003851	117.6	0.01
Average Head on Top of Layer 3	0.3314	---	---
Drainage Collected from Layer 5	1.5077	46,028.6	5.20
Percolation/Leakage through Layer 7	0.000013	0.3908	0.00
Average Head on Top of Layer 6	0.2916	---	---
Change in Water Storage	-3.7715	-115,138.0	-13.00
Soil Water at Start of Year	303.3506	9,260,777.7	1045.49
Soil Water at End of Year	299.5381	9,144,390.2	1032.35
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0409	1,249.5	0.14
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 16

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.004	0.0490	0.0000	0.0000	0.00E+00	0.2864	0.0041	3.44E-08
2	*	*	0.00	0.000	0.009	0.0490	0.0000	0.0000	0.00E+00	0.2863	0.0041	3.44E-08
3		*	0.00	0.000	0.028	0.0490	0.0000	0.0000	0.00E+00	0.2863	0.0041	3.44E-08
4		*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2863	0.0041	3.44E-08
5		*	0.00	0.000	0.000	0.0490	0.0000	0.0000	0.00E+00	0.2863	0.0041	3.44E-08
6		*	0.09	0.000	0.005	0.0528	0.0000	0.0000	0.00E+00	0.2862	0.0041	3.44E-08
7	*	*	0.00	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2862	0.0041	3.44E-08
8	*	*	0.00	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2862	0.0041	3.44E-08
9	*	*	0.00	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2861	0.0041	3.44E-08
10	*	*	0.05	0.000	0.017	0.0528	0.0000	0.0000	0.00E+00	0.2861	0.0041	3.44E-08
11	*	*	0.00	0.000	0.012	0.0528	0.0000	0.0000	0.00E+00	0.2861	0.0041	3.44E-08
12		*	0.00	0.000	0.023	0.0528	0.0000	0.0000	0.00E+00	0.2861	0.0041	3.44E-08
13	*	*	0.00	0.000	0.003	0.0528	0.0000	0.0000	0.00E+00	0.2860	0.0041	3.44E-08
14	*	*	0.00	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2860	0.0041	3.44E-08
15	*	*	0.00	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2860	0.0041	3.44E-08
16	*	*	0.00	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2860	0.0041	3.44E-08
17	*	*	0.01	0.000	0.008	0.0528	0.0000	0.0000	0.00E+00	0.2859	0.0041	3.44E-08
18	*	*	0.20	0.000	0.003	0.0528	0.0000	0.0000	0.00E+00	0.2859	0.0041	3.44E-08
19	*	*	0.00	0.000	0.004	0.0528	0.0000	0.0000	0.00E+00	0.2859	0.0041	3.44E-08
20	*	*	0.00	0.000	0.006	0.0528	0.0000	0.0000	0.00E+00	0.2859	0.0040	3.44E-08
21	*	*	0.00	0.000	0.008	0.0528	0.0000	0.0000	0.00E+00	0.2858	0.0040	3.44E-08
22	*	*	0.01	0.000	0.008	0.0528	0.0000	0.0000	0.00E+00	0.2858	0.0040	3.44E-08
23	*	*	0.01	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2858	0.0040	3.44E-08
24	*	*	0.13	0.000	0.000	0.0528	0.0000	0.0000	0.00E+00	0.2858	0.0040	3.44E-08
25	*	*	0.00	0.000	0.006	0.0528	0.0000	0.0000	0.00E+00	0.2857	0.0040	3.44E-08
26	*	*	0.00	0.000	0.006	0.0528	0.0000	0.0000	0.00E+00	0.2857	0.0040	3.44E-08
27	*	*	0.00	0.000	0.022	0.0528	0.0000	0.0000	0.00E+00	0.2857	0.0040	3.44E-08
28	*	*	0.13	0.000	0.024	0.0528	0.0000	0.0000	0.00E+00	0.2856	0.0040	3.44E-08
29		*	0.00	0.000	0.013	0.0574	0.0000	0.0000	0.00E+00	0.2856	0.0040	3.43E-08

30		*	0.12	0.017	0.000	0.0726	0.0000	0.0000	0.00E+00	0.2856	0.0040	3.43E-08
31		*	0.00	0.000	0.000	0.0727	0.0000	0.0000	0.00E+00	0.2856	0.0040	3.43E-08
32		*	0.00	0.000	0.000	0.0727	0.0000	0.0000	0.00E+00	0.2855	0.0040	3.43E-08
33		*	0.00	0.000	0.000	0.0727	0.0000	0.0000	0.00E+00	0.2855	0.0040	3.43E-08
34		*	0.00	0.000	0.000	0.0727	0.0000	0.0000	0.00E+00	0.2855	0.0040	3.43E-08
35		*	0.03	0.000	0.004	0.0736	0.0000	0.0000	0.00E+00	0.2855	0.0040	3.43E-08
36	*	*	0.00	0.000	0.000	0.0736	0.0000	0.0000	0.00E+00	0.2854	0.0040	3.43E-08
37		*	0.14	0.000	0.004	0.0790	0.0000	0.0000	0.00E+00	0.2854	0.0040	3.43E-08
38		*	0.03	0.000	0.004	0.0801	0.0000	0.0000	0.00E+00	0.2854	0.0040	3.43E-08
39	*	*	0.02	0.000	0.015	0.0801	0.0000	0.0000	0.00E+00	0.2853	0.0040	3.43E-08
40	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2853	0.0040	3.43E-08
41	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2853	0.0040	3.43E-08
42	*	*	0.02	0.000	0.009	0.0801	0.0000	0.0000	0.00E+00	0.2853	0.0040	3.43E-08
43	*	*	0.00	0.000	0.008	0.0801	0.0000	0.0000	0.00E+00	0.2852	0.0040	3.43E-08
44	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2852	0.0040	3.43E-08
45	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2852	0.0040	3.43E-08
46	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2852	0.0040	3.43E-08
47	*	*	0.03	0.000	0.015	0.0801	0.0000	0.0000	0.00E+00	0.2851	0.0040	3.43E-08
48	*	*	0.08	0.000	0.021	0.0801	0.0000	0.0000	0.00E+00	0.2851	0.0040	3.43E-08
49	*	*	0.00	0.000	0.016	0.0801	0.0000	0.0000	0.00E+00	0.2851	0.0040	3.43E-08
50	*	*	0.00	0.000	0.027	0.0801	0.0000	0.0000	0.00E+00	0.2850	0.0040	3.43E-08
51		*	0.00	0.000	0.033	0.0801	0.0000	0.0000	0.00E+00	0.2850	0.0040	3.43E-08
52	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2850	0.0040	3.43E-08
53	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2850	0.0040	3.43E-08
54	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2849	0.0040	3.43E-08
55	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2849	0.0040	3.43E-08
56		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2849	0.0040	3.43E-08
57		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2848	0.0040	3.43E-08
58		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2848	0.0040	3.42E-08
59	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2848	0.0040	3.42E-08
60		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2848	0.0040	3.42E-08
61		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2847	0.0040	3.42E-08
62	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2847	0.0040	3.42E-08
63	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2847	0.0040	3.42E-08
64	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2846	0.0040	3.42E-08
65	*	*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2846	0.0040	3.42E-08
66		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2846	0.0040	3.42E-08

67		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2846	0.0040	3.42E-08
68		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2845	0.0040	3.42E-08
69		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2845	0.0040	3.42E-08
70		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2845	0.0040	3.42E-08
71		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2844	0.0040	3.42E-08
72		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2844	0.0040	3.42E-08
73		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2844	0.0040	3.42E-08
74		*	0.00	0.000	0.000	0.0801	0.0000	0.0000	0.00E+00	0.2844	0.0040	3.42E-08
75		*	0.06	0.000	0.003	0.0825	0.0000	0.0000	0.00E+00	0.2843	0.0040	3.42E-08
76		*	0.01	0.000	0.003	0.0826	0.0000	0.0000	0.00E+00	0.2843	0.0040	3.42E-08
77		*	0.02	0.000	0.003	0.0832	0.0000	0.0000	0.00E+00	0.2843	0.0040	3.42E-08
78		*	0.19	0.000	0.003	0.0912	0.0000	0.0000	0.00E+00	0.2842	0.0040	3.42E-08
79		*	0.02	0.000	0.003	0.0917	0.0000	0.0000	0.00E+00	0.2842	0.0040	3.42E-08
80			0.00	0.000	0.085	0.0882	0.0000	0.0000	0.00E+00	0.2842	0.0040	3.42E-08
81	*		0.00	0.000	0.039	0.0865	0.0000	0.0000	0.00E+00	0.2842	0.0040	3.42E-08
82			0.00	0.000	0.155	0.0801	0.0000	0.0000	0.00E+00	0.2841	0.0040	3.42E-08
83			0.00	0.000	0.130	0.0747	0.0000	0.0000	0.00E+00	0.2841	0.0040	3.42E-08
84			0.00	0.000	0.083	0.0712	0.0000	0.0000	0.00E+00	0.2841	0.0040	3.42E-08
85			0.09	0.000	0.166	0.0679	0.0000	0.0000	0.00E+00	0.2840	0.0040	3.42E-08
86			0.02	0.000	0.119	0.0637	0.0000	0.0000	0.00E+00	0.2840	0.0040	3.42E-08
87			0.12	0.000	0.056	0.0665	0.0000	0.0000	0.00E+00	0.2840	0.0040	3.41E-08
88			0.00	0.000	0.041	0.0648	0.0000	0.0000	0.00E+00	0.2840	0.0040	3.41E-08
89			0.00	0.000	0.034	0.0633	0.0000	0.0000	0.00E+00	0.2839	0.0040	3.41E-08
90			0.05	0.000	0.033	0.0642	0.0000	0.0000	0.00E+00	0.2839	0.0040	3.41E-08
91			0.00	0.000	0.027	0.0631	0.0000	0.0000	0.00E+00	0.2839	0.0040	3.41E-08
92			0.25	0.000	0.028	0.0722	0.0000	0.0000	0.00E+00	0.2838	0.0040	3.41E-08
93			0.03	0.000	0.149	0.0674	0.0000	0.0000	0.00E+00	0.2838	0.0040	3.41E-08
94			1.34	0.000	0.026	0.1221	0.0000	0.0000	0.00E+00	0.2838	0.0040	3.41E-08
95			0.07	0.000	0.123	0.1200	0.0000	0.0000	0.00E+00	0.2837	0.0040	3.41E-08
96			0.07	0.000	0.105	0.1184	0.0000	0.0000	0.00E+00	0.2837	0.0040	3.41E-08
97	*		0.22	0.000	0.035	0.1192	0.0159	0.0009	4.96E-07	0.2837	0.0040	3.41E-08
98	*		0.00	0.000	0.064	0.1197	0.1083	0.0059	3.37E-06	0.2837	0.0040	3.41E-08
99			0.00	0.000	0.168	0.1161	0.1020	0.0056	3.18E-06	0.2836	0.0040	3.41E-08
100			0.00	0.000	0.164	0.1090	0.0878	0.0048	2.74E-06	0.2836	0.0040	3.41E-08
101			0.00	0.000	0.168	0.1019	0.0757	0.0041	2.36E-06	0.2836	0.0040	3.41E-08
102			0.00	0.000	0.072	0.0987	0.0652	0.0036	2.03E-06	0.2836	0.0040	3.41E-08
103			0.00	0.000	0.119	0.0936	0.0561	0.0031	1.75E-06	0.2835	0.0040	3.41E-08

104		0.00	0.000	0.130	0.0881	0.0483	0.0026	1.50E-06	0.2835	0.0040	3.41E-08
105		0.00	0.000	0.054	0.0858	0.0444	0.0024	1.38E-06	0.2835	0.0040	3.41E-08
106		0.00	0.000	0.041	0.0840	0.0391	0.0021	1.22E-06	0.2835	0.0040	3.41E-08
107	*	0.00	0.000	0.035	0.0824	0.0337	0.0018	1.05E-06	0.2834	0.0040	3.41E-08
108		0.17	0.000	0.033	0.0880	0.0290	0.0016	9.06E-07	0.2834	0.0040	3.41E-08
109		0.10	0.000	0.030	0.0908	0.0250	0.0014	7.83E-07	0.2834	0.0040	3.41E-08
110		0.58	0.000	0.028	0.1136	0.0215	0.0012	6.76E-07	0.2833	0.0040	3.41E-08
111	*	0.01	0.000	0.012	0.1136	0.0185	0.0010	5.84E-07	0.2833	0.0040	3.41E-08
112	*	0.00	0.000	0.000	0.1136	0.0160	0.0009	5.05E-07	0.2833	0.0040	3.41E-08
113		0.14	0.000	0.144	0.1135	0.0160	0.0009	5.04E-07	0.2832	0.0040	3.41E-08
114	*	0.33	0.000	0.019	0.1143	0.0151	0.0008	4.78E-07	0.2832	0.0040	3.41E-08
115		0.00	0.000	0.057	0.1240	0.0152	0.0008	4.82E-07	0.2832	0.0040	3.41E-08
116		0.18	0.000	0.141	0.1258	0.0224	0.0012	7.02E-07	0.2832	0.0040	3.40E-08
117		0.00	0.000	0.172	0.1186	0.0228	0.0012	7.15E-07	0.2831	0.0040	3.40E-08
118		0.00	0.000	0.129	0.1132	0.0197	0.0011	6.18E-07	0.2831	0.0040	3.40E-08
119		0.00	0.000	0.099	0.1090	0.0272	0.0015	8.50E-07	0.2831	0.0040	3.40E-08
120	*	0.00	0.000	0.113	0.1042	0.0443	0.0024	1.38E-06	0.2830	0.0040	3.40E-08
121		0.36	0.000	0.102	0.1147	0.0596	0.0033	1.86E-06	0.2830	0.0040	3.40E-08
122		0.19	0.000	0.158	0.1160	0.0701	0.0038	2.18E-06	0.2830	0.0040	3.40E-08
123	*	0.01	0.000	0.009	0.1158	0.0753	0.0041	2.34E-06	0.2830	0.0040	3.40E-08
124	*	0.13	0.000	0.037	0.1164	0.0735	0.0040	2.29E-06	0.2829	0.0040	3.40E-08
125		0.00	0.000	0.236	0.1093	0.0680	0.0037	2.12E-06	0.2829	0.0040	3.40E-08
126		0.06	0.000	0.140	0.1057	0.0594	0.0032	1.85E-06	0.2829	0.0040	3.40E-08
127		0.00	0.000	0.081	0.1022	0.0512	0.0028	1.59E-06	0.2828	0.0040	3.40E-08
128		0.06	0.000	0.185	0.0970	0.0441	0.0024	1.37E-06	0.2828	0.0040	3.40E-08
129		0.42	0.000	0.132	0.1089	0.0510	0.0028	1.59E-06	0.2828	0.0040	3.40E-08
130		0.00	0.000	0.286	0.0968	0.0734	0.0040	2.29E-06	0.2828	0.0040	3.40E-08
131		0.00	0.000	0.054	0.0943	0.0873	0.0048	2.72E-06	0.2827	0.0040	3.40E-08
132	*	0.03	0.000	0.077	0.0924	0.0796	0.0043	2.48E-06	0.2827	0.0040	3.40E-08
133	*	0.46	0.000	0.021	0.0930	0.0767	0.0042	2.39E-06	0.2827	0.0040	3.40E-08
134		1.66	0.000	0.000	0.1795	0.0760	0.0041	2.37E-06	0.2826	0.0040	3.40E-08
135		0.10	0.000	0.161	0.1757	0.5921	0.0323	1.86E-05	0.2826	0.0040	3.40E-08
136		0.00	0.000	0.234	0.1614	1.9551	0.1066	6.20E-05	0.2827	0.0040	3.40E-08
137		0.05	0.000	0.120	0.1543	1.8957	0.1033	6.01E-05	0.2828	0.0040	3.40E-08
138		0.00	0.000	0.179	0.1427	1.8431	0.1005	5.84E-05	0.2829	0.0040	3.40E-08
139		0.00	0.000	0.131	0.1333	1.7102	0.0932	5.41E-05	0.2830	0.0040	3.40E-08
140		0.00	0.000	0.129	0.1244	1.5669	0.0854	4.95E-05	0.2830	0.0040	3.40E-08

141	0.00	0.000	0.055	0.1187	1.4642	0.0798	4.62E-05	0.2831	0.0040	3.40E-08
142	0.00	0.000	0.043	0.1139	1.3351	0.0728	4.21E-05	0.2831	0.0040	3.40E-08
143	0.00	0.000	0.036	0.1097	1.1765	0.0641	3.71E-05	0.2831	0.0040	3.40E-08
144	0.00	0.000	0.032	0.1060	1.0651	0.0581	3.35E-05	0.2831	0.0040	3.40E-08
145	0.00	0.000	0.031	0.1024	0.9832	0.0536	3.09E-05	0.2831	0.0040	3.40E-08
146	0.04	0.000	0.030	0.1008	0.9112	0.0497	2.86E-05	0.2830	0.0040	3.40E-08
147	0.03	0.000	0.030	0.0989	0.8431	0.0460	2.65E-05	0.2830	0.0040	3.40E-08
148	0.02	0.000	0.027	0.0967	0.7777	0.0424	2.44E-05	0.2830	0.0040	3.40E-08
149	0.35	0.000	0.025	0.1086	0.7144	0.0389	2.24E-05	0.2829	0.0040	3.40E-08
150	0.05	0.000	0.025	0.1082	0.6590	0.0359	2.07E-05	0.2828	0.0040	3.40E-08
151	0.67	0.000	0.023	0.1337	0.6046	0.0330	1.89E-05	0.2828	0.0040	3.40E-08
152	0.10	0.000	0.216	0.1276	0.5591	0.0305	1.75E-05	0.2827	0.0040	3.40E-08
153	0.00	0.000	0.184	0.1188	0.5045	0.0275	1.58E-05	0.2826	0.0040	3.40E-08
154	0.00	0.000	0.115	0.1130	0.4493	0.0245	1.41E-05	0.2826	0.0040	3.40E-08
155	1.07	0.000	0.196	0.1486	0.4150	0.0226	1.30E-05	0.2825	0.0040	3.40E-08
156	0.62	0.000	0.098	0.1692	0.3953	0.0215	1.24E-05	0.2824	0.0040	3.40E-08
157	0.52	0.000	0.202	0.1809	0.6509	0.0355	2.04E-05	0.2823	0.0040	3.40E-08
158	0.29	0.000	0.104	0.1858	1.2869	0.0702	4.06E-05	0.2823	0.0040	3.39E-08
159	0.00	0.000	0.104	0.1775	1.7181	0.0937	5.44E-05	0.2823	0.0040	3.39E-08
160	0.00	0.000	0.189	0.1652	1.9641	0.1071	6.23E-05	0.2824	0.0040	3.40E-08
161	0.00	0.000	0.245	0.1503	2.0713	0.1129	6.58E-05	0.2824	0.0040	3.40E-08
162	0.00	0.000	0.303	0.1331	2.0198	0.1101	6.41E-05	0.2824	0.0040	3.40E-08
163	0.09	0.000	0.123	0.1277	1.8531	0.1010	5.87E-05	0.2825	0.0040	3.40E-08
164	0.22	0.000	0.062	0.1303	1.6895	0.0921	5.35E-05	0.2825	0.0040	3.40E-08
165	0.16	0.000	0.056	0.1310	1.5935	0.0869	5.04E-05	0.2824	0.0040	3.40E-08
166	0.60	0.000	0.050	0.1505	1.4837	0.0809	4.69E-05	0.2824	0.0040	3.40E-08
167	0.00	0.000	0.246	0.1371	1.3712	0.0747	4.33E-05	0.2824	0.0040	3.40E-08
168	0.00	0.000	0.262	0.1235	1.2387	0.0675	3.90E-05	0.2823	0.0040	3.39E-08
169	0.00	0.000	0.274	0.1095	1.1085	0.0604	3.49E-05	0.2823	0.0040	3.39E-08
170	0.02	0.000	0.144	0.1021	1.0170	0.0554	3.20E-05	0.2822	0.0040	3.39E-08
171	0.19	0.000	0.075	0.1045	0.9495	0.0518	2.98E-05	0.2821	0.0040	3.39E-08
172	0.00	0.000	0.060	0.1000	0.8627	0.0470	2.71E-05	0.2820	0.0040	3.39E-08
173	0.02	0.000	0.052	0.0971	0.7731	0.0421	2.43E-05	0.2819	0.0040	3.39E-08
174	0.00	0.000	0.058	0.0931	0.6871	0.0375	2.15E-05	0.2818	0.0040	3.39E-08
175	0.00	0.000	0.057	0.0893	0.6120	0.0334	1.92E-05	0.2817	0.0040	3.39E-08
176	0.00	0.000	0.049	0.0860	0.5397	0.0294	1.69E-05	0.2816	0.0040	3.39E-08
177	0.30	0.000	0.042	0.0956	0.4770	0.0260	1.49E-05	0.2815	0.0040	3.38E-08

178	0.00	0.000	0.041	0.0929	0.4251	0.0232	1.33E-05	0.2814	0.0040	3.38E-08
179	0.00	0.000	0.036	0.0906	0.3729	0.0203	1.17E-05	0.2813	0.0040	3.38E-08
180	0.59	0.000	0.059	0.1118	0.3346	0.0182	1.05E-05	0.2812	0.0040	3.38E-08
181	1.79	0.000	0.307	0.1731	0.2970	0.0162	9.27E-06	0.2811	0.0040	3.38E-08
182	0.00	0.000	0.304	0.1591	0.5944	0.0324	1.87E-05	0.2810	0.0040	3.38E-08
183	0.00	0.000	0.315	0.1427	1.4173	0.0773	4.47E-05	0.2809	0.0040	3.38E-08
184	0.36	0.000	0.120	0.1496	1.4475	0.0789	4.57E-05	0.2809	0.0040	3.38E-08
185	0.00	0.000	0.277	0.1349	1.4012	0.0764	4.42E-05	0.2809	0.0040	3.38E-08
186	0.00	0.000	0.108	0.1273	1.3601	0.0741	4.29E-05	0.2809	0.0040	3.38E-08
187	0.48	0.000	0.109	0.1399	1.3218	0.0721	4.17E-05	0.2808	0.0040	3.38E-08
188	0.00	0.000	0.278	0.1255	1.2281	0.0669	3.87E-05	0.2808	0.0040	3.38E-08
189	0.00	0.000	0.290	0.1109	1.1007	0.0600	3.46E-05	0.2808	0.0040	3.38E-08
190	0.00	0.000	0.222	0.0994	0.9947	0.0542	3.13E-05	0.2807	0.0040	3.38E-08
191	0.00	0.000	0.139	0.0916	0.8865	0.0483	2.78E-05	0.2807	0.0040	3.37E-08
192	0.00	0.000	0.142	0.0839	0.7901	0.0431	2.48E-05	0.2806	0.0040	3.37E-08
193	0.13	0.000	0.151	0.0813	0.7106	0.0387	2.23E-05	0.2805	0.0040	3.37E-08
194	0.01	0.000	0.149	0.0741	0.6436	0.0351	2.02E-05	0.2804	0.0040	3.37E-08
195	0.65	0.000	0.102	0.0954	0.6232	0.0340	1.95E-05	0.2803	0.0040	3.37E-08
196	0.00	0.000	0.122	0.0890	0.6097	0.0332	1.91E-05	0.2803	0.0040	3.37E-08
197	0.18	0.000	0.334	0.0812	0.5845	0.0319	1.83E-05	0.2802	0.0040	3.37E-08
198	0.00	0.000	0.218	0.0709	0.5337	0.0291	1.67E-05	0.2801	0.0040	3.37E-08
199	0.02	0.000	0.256	0.0598	0.5300	0.0289	1.66E-05	0.2800	0.0040	3.37E-08
200	0.00	0.000	0.138	0.0527	0.5861	0.0319	1.84E-05	0.2799	0.0040	3.37E-08
201	0.36	0.000	0.176	0.0593	0.5345	0.0291	1.67E-05	0.2799	0.0040	3.36E-08
202	0.10	0.000	0.195	0.0546	0.3705	0.0202	1.16E-05	0.2798	0.0040	3.36E-08
203	0.00	0.000	0.196	0.0459	0.2418	0.0132	7.54E-06	0.2797	0.0040	3.36E-08
204	0.01	0.000	0.088	0.0422	0.1841	0.0100	5.74E-06	0.2796	0.0040	3.36E-08
205	0.00	0.000	0.121	0.0370	0.0649	0.0030	1.71E-06	0.2795	0.0040	3.36E-08
206	0.00	0.000	0.037	0.0355	0.0000	0.0000	0.00E+00	0.2794	0.0040	3.36E-08
207	0.01	0.000	0.036	0.0343	0.0000	0.0000	0.00E+00	0.2793	0.0040	3.36E-08
208	0.10	0.000	0.051	0.0364	0.0000	0.0000	0.00E+00	0.2792	0.0040	3.36E-08
209	0.00	0.000	0.033	0.0350	0.0000	0.0000	0.00E+00	0.2791	0.0040	3.36E-08
210	0.00	0.000	0.033	0.0336	0.0000	0.0000	0.00E+00	0.2790	0.0040	3.35E-08
211	0.00	0.000	0.021	0.0327	0.0000	0.0000	0.00E+00	0.2789	0.0040	3.35E-08
212	0.00	0.000	0.003	0.0326	0.0000	0.0000	0.00E+00	0.2789	0.0040	3.35E-08
213	0.00	0.000	0.003	0.0325	0.0000	0.0000	0.00E+00	0.2788	0.0039	3.35E-08
214	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2787	0.0039	3.35E-08

215	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2787	0.0039	3.35E-08
216	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2786	0.0039	3.35E-08
217	0.63	0.000	0.090	0.0550	0.0000	0.0000	0.00E+00	0.2785	0.0039	3.35E-08
218	0.14	0.000	0.089	0.0570	0.0000	0.0000	0.00E+00	0.2785	0.0039	3.35E-08
219	0.00	0.000	0.202	0.0486	0.0000	0.0000	0.00E+00	0.2784	0.0039	3.35E-08
220	0.00	0.000	0.205	0.0400	0.0000	0.0000	0.00E+00	0.2784	0.0039	3.35E-08
221	0.00	0.000	0.160	0.0334	0.0000	0.0000	0.00E+00	0.2783	0.0039	3.35E-08
222	0.00	0.000	0.015	0.0327	0.0000	0.0000	0.00E+00	0.2783	0.0039	3.35E-08
223	0.00	0.000	0.006	0.0325	0.0000	0.0000	0.00E+00	0.2783	0.0039	3.35E-08
224	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2782	0.0039	3.35E-08
225	0.08	0.000	0.039	0.0342	0.0000	0.0000	0.00E+00	0.2782	0.0039	3.34E-08
226	0.05	0.000	0.037	0.0348	0.0000	0.0000	0.00E+00	0.2781	0.0039	3.34E-08
227	0.12	0.000	0.027	0.0386	0.0000	0.0000	0.00E+00	0.2781	0.0039	3.34E-08
228	0.00	0.000	0.071	0.0356	0.0000	0.0000	0.00E+00	0.2781	0.0039	3.34E-08
229	0.00	0.000	0.047	0.0337	0.0000	0.0000	0.00E+00	0.2780	0.0039	3.34E-08
230	0.00	0.000	0.018	0.0329	0.0000	0.0000	0.00E+00	0.2780	0.0039	3.34E-08
231	0.00	0.000	0.004	0.0327	0.0000	0.0000	0.00E+00	0.2780	0.0039	3.34E-08
232	0.30	0.000	0.045	0.0435	0.0000	0.0000	0.00E+00	0.2780	0.0039	3.34E-08
233	0.50	0.000	0.069	0.0613	0.0000	0.0000	0.00E+00	0.2779	0.0039	3.34E-08
234	0.00	0.000	0.056	0.0590	0.0000	0.0000	0.00E+00	0.2779	0.0039	3.34E-08
235	0.22	0.000	0.086	0.0647	0.0000	0.0000	0.00E+00	0.2779	0.0039	3.34E-08
236	0.00	0.000	0.125	0.0594	0.0000	0.0000	0.00E+00	0.2779	0.0039	3.34E-08
237	0.00	0.000	0.180	0.0520	0.0000	0.0000	0.00E+00	0.2778	0.0039	3.34E-08
238	0.22	0.000	0.094	0.0573	0.0000	0.0000	0.00E+00	0.2778	0.0039	3.34E-08
239	0.02	0.000	0.120	0.0532	0.0000	0.0000	0.00E+00	0.2778	0.0039	3.34E-08
240	0.05	0.000	0.183	0.0476	0.0000	0.0000	0.00E+00	0.2778	0.0039	3.34E-08
241	0.12	0.000	0.153	0.0464	0.0000	0.0000	0.00E+00	0.2778	0.0039	3.34E-08
242	0.54	0.000	0.222	0.0596	0.0000	0.0000	0.00E+00	0.2777	0.0039	3.34E-08
243	0.00	0.000	0.160	0.0529	0.0000	0.0000	0.00E+00	0.2777	0.0039	3.34E-08
244	0.00	0.000	0.194	0.0449	0.0000	0.0000	0.00E+00	0.2777	0.0039	3.34E-08
245	0.00	0.000	0.173	0.0377	0.0000	0.0000	0.00E+00	0.2777	0.0039	3.34E-08
246	0.00	0.000	0.112	0.0330	0.0000	0.0000	0.00E+00	0.2777	0.0039	3.34E-08
247	0.00	0.000	0.012	0.0325	0.0000	0.0000	0.00E+00	0.2777	0.0039	3.34E-08
248	0.27	0.000	0.038	0.0420	0.0000	0.0000	0.00E+00	0.2777	0.0039	3.34E-08
249	0.01	0.000	0.090	0.0385	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
250	0.00	0.000	0.108	0.0340	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
251	0.00	0.000	0.029	0.0327	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08

252		0.02	0.000	0.027	0.0325	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
253		0.04	0.000	0.027	0.0332	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
254		0.04	0.000	0.041	0.0330	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
255		0.20	0.000	0.046	0.0395	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
256		0.00	0.000	0.049	0.0375	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
257		0.00	0.000	0.061	0.0349	0.0000	0.0000	0.00E+00	0.2776	0.0039	3.34E-08
258		0.00	0.000	0.034	0.0335	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
259		0.00	0.000	0.018	0.0327	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
260		0.40	0.000	0.082	0.0459	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
261		0.05	0.000	0.084	0.0443	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
262		0.02	0.000	0.123	0.0400	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
263		0.00	0.000	0.140	0.0341	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
264		0.00	0.000	0.033	0.0328	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
265		0.00	0.000	0.000	0.0327	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
266		0.00	0.000	0.000	0.0327	0.0000	0.0000	0.00E+00	0.2775	0.0039	3.34E-08
267		0.00	0.000	0.000	0.0327	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.34E-08
268		0.49	0.000	0.050	0.0510	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.34E-08
269		0.41	0.000	0.109	0.0634	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.34E-08
270		0.00	0.000	0.101	0.0592	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.34E-08
271		0.08	0.000	0.118	0.0576	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.34E-08
272		0.02	0.000	0.041	0.0568	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.34E-08
273		0.36	0.000	0.126	0.0664	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.34E-08
274		0.15	0.000	0.204	0.0642	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.33E-08
275		0.00	0.000	0.077	0.0610	0.0000	0.0000	0.00E+00	0.2774	0.0039	3.33E-08
276		0.00	0.000	0.076	0.0578	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
277		0.00	0.000	0.035	0.0564	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
278		0.00	0.000	0.106	0.0520	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
279		0.96	0.000	0.065	0.0894	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
280		0.00	0.000	0.057	0.0870	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
281		0.11	0.000	0.070	0.0885	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
282		0.00	0.000	0.047	0.0865	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
283		0.01	0.000	0.049	0.0849	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
284	*	0.02	0.000	0.018	0.0849	0.0000	0.0000	0.00E+00	0.2773	0.0039	3.33E-08
285	*	0.36	0.000	0.017	0.0857	0.0000	0.0000	0.00E+00	0.2772	0.0039	3.33E-08
286	*	0.00	0.000	0.005	0.0865	0.0000	0.0000	0.00E+00	0.2772	0.0039	3.33E-08
287	*	0.60	0.000	0.015	0.0873	0.0000	0.0000	0.00E+00	0.2772	0.0039	3.33E-08
288	*	0.00	0.000	0.018	0.0882	0.0000	0.0000	0.00E+00	0.2772	0.0039	3.33E-08

289	*		0.00	0.000	0.018	0.0890	0.0000	0.0000	0.00E+00	0.2772	0.0039	3.33E-08
290			0.00	0.000	0.000	0.1221	0.0000	0.0000	0.00E+00	0.2772	0.0039	3.33E-08
291			0.00	0.000	0.037	0.1205	0.0000	0.0000	0.00E+00	0.2772	0.0039	3.33E-08
292	*		0.00	0.000	0.000	0.1205	0.0000	0.0000	0.00E+00	0.2771	0.0039	3.33E-08
293			0.00	0.000	0.047	0.1186	0.0000	0.0000	0.00E+00	0.2771	0.0039	3.33E-08
294			0.00	0.000	0.035	0.1171	0.0000	0.0000	0.00E+00	0.2771	0.0039	3.33E-08
295			0.00	0.000	0.030	0.1159	0.0000	0.0000	0.00E+00	0.2771	0.0039	3.33E-08
296	*		0.00	0.000	0.000	0.1159	0.0000	0.0000	0.00E+00	0.2771	0.0039	3.33E-08
297	*		0.23	0.000	0.010	0.1167	0.0000	0.0000	0.00E+00	0.2771	0.0039	3.33E-08
298	*		0.10	0.000	0.003	0.1175	0.0000	0.0000	0.00E+00	0.2771	0.0039	3.33E-08
299	*		0.18	0.000	0.009	0.1183	0.0000	0.0000	0.00E+00	0.2770	0.0039	3.33E-08
300	*		0.45	0.000	0.000	0.1191	0.0000	0.0000	0.00E+00	0.2770	0.0039	3.33E-08
301			0.21	0.000	0.000	0.1452	0.0000	0.0000	0.00E+00	0.2770	0.0039	3.33E-08
302			0.38	0.000	0.000	0.1792	0.0000	0.0000	0.00E+00	0.2770	0.0039	3.33E-08
303			0.01	0.000	0.048	0.1749	1.1145	0.0608	3.51E-05	0.2770	0.0039	3.33E-08
304			0.05	0.000	0.042	0.1714	1.7219	0.0939	5.45E-05	0.2771	0.0039	3.33E-08
305	*		0.19	0.000	0.009	0.1681	1.8194	0.0992	5.77E-05	0.2772	0.0039	3.33E-08
306			0.07	0.000	0.021	0.1727	1.8441	0.1005	5.84E-05	0.2773	0.0039	3.33E-08
307			0.00	0.000	0.094	0.1647	1.7905	0.0976	5.67E-05	0.2774	0.0039	3.34E-08
308	*		0.00	0.000	0.027	0.1596	1.7418	0.0949	5.52E-05	0.2775	0.0039	3.34E-08
309	*		0.00	0.000	0.025	0.1550	1.5882	0.0866	5.02E-05	0.2776	0.0039	3.34E-08
310	*		0.00	0.000	0.000	0.1517	1.4400	0.0785	4.55E-05	0.2776	0.0039	3.34E-08
311	*		0.00	0.000	0.025	0.1475	1.3760	0.0750	4.34E-05	0.2777	0.0039	3.34E-08
312			0.00	0.000	0.034	0.1431	1.3182	0.0719	4.16E-05	0.2777	0.0039	3.34E-08
313	*		0.00	0.000	0.000	0.1403	1.2544	0.0684	3.95E-05	0.2777	0.0039	3.34E-08
314	*	*	0.00	0.000	0.000	0.1377	1.1487	0.0626	3.62E-05	0.2777	0.0039	3.34E-08
315	*	*	0.00	0.000	0.000	0.1354	0.9893	0.0539	3.11E-05	0.2777	0.0039	3.34E-08
316	*	*	0.00	0.000	0.000	0.1335	0.8520	0.0464	2.68E-05	0.2777	0.0039	3.34E-08
317	*	*	0.00	0.000	0.000	0.1318	0.7338	0.0400	2.30E-05	0.2776	0.0039	3.34E-08
318	*	*	0.00	0.000	0.000	0.1304	0.6320	0.0345	1.98E-05	0.2776	0.0039	3.34E-08
319	*	*	0.00	0.000	0.000	0.1291	0.5443	0.0297	1.70E-05	0.2775	0.0039	3.34E-08
320		*	0.00	0.000	0.000	0.1281	0.4688	0.0256	1.47E-05	0.2774	0.0039	3.34E-08
321		*	0.00	0.000	0.000	0.1272	0.4037	0.0220	1.26E-05	0.2774	0.0039	3.33E-08
322		*	0.17	0.000	0.008	0.1331	0.3477	0.0190	1.09E-05	0.2773	0.0039	3.33E-08
323	*	*	0.34	0.000	0.018	0.1324	0.2995	0.0163	9.35E-06	0.2772	0.0039	3.33E-08
324	*	*	0.00	0.000	0.005	0.1318	0.2579	0.0141	8.05E-06	0.2771	0.0039	3.33E-08
325	*	*	0.04	0.000	0.002	0.1313	0.2221	0.0121	6.93E-06	0.2770	0.0039	3.33E-08

326	*	*	0.00	0.000	0.004	0.1308	0.1913	0.0104	5.97E-06	0.2770	0.0039	3.33E-08
327	*	*	0.15	0.000	0.001	0.1305	0.1648	0.0090	5.14E-06	0.2769	0.0039	3.33E-08
328	*	*	0.00	0.000	0.001	0.1302	0.1419	0.0077	4.42E-06	0.2768	0.0039	3.33E-08
329	*	*	0.00	0.000	0.000	0.1299	0.1222	0.0067	3.81E-06	0.2767	0.0039	3.33E-08
330	*	*	0.00	0.000	0.000	0.1296	0.1053	0.0057	3.28E-06	0.2766	0.0039	3.33E-08
331	*	*	0.00	0.000	0.000	0.1294	0.0906	0.0049	2.82E-06	0.2766	0.0039	3.33E-08
332	*	*	0.00	0.000	0.000	0.1293	0.0781	0.0043	2.43E-06	0.2765	0.0039	3.32E-08
333	*	*	0.00	0.000	0.003	0.1291	0.0672	0.0037	2.09E-06	0.2764	0.0039	3.32E-08
334	*	*	0.00	0.000	0.004	0.1290	0.0579	0.0032	1.80E-06	0.2764	0.0039	3.32E-08
335	*	*	0.00	0.000	0.000	0.1289	0.0499	0.0027	1.55E-06	0.2763	0.0039	3.32E-08
336		*	0.00	0.067	0.000	0.1466	0.0430	0.0023	1.34E-06	0.2762	0.0039	3.32E-08
337		*	0.00	0.000	0.000	0.1465	0.0370	0.0020	1.15E-06	0.2762	0.0039	3.32E-08
338		*	0.00	0.000	0.000	0.1464	0.0319	0.0017	9.94E-07	0.2761	0.0039	3.32E-08
339		*	0.00	0.000	0.000	0.1463	0.0274	0.0015	8.58E-07	0.2760	0.0039	3.32E-08
340		*	0.00	0.000	0.000	0.1463	0.0236	0.0013	7.41E-07	0.2760	0.0039	3.32E-08
341	*	*	0.00	0.000	0.000	0.1462	0.0204	0.0011	6.40E-07	0.2759	0.0039	3.32E-08
342	*	*	0.00	0.000	0.000	0.1462	0.0175	0.0010	5.53E-07	0.2759	0.0039	3.32E-08
343	*	*	0.00	0.000	0.000	0.1462	0.0151	0.0008	4.78E-07	0.2758	0.0039	3.32E-08
344		*	0.20	0.001	0.007	0.1542	0.0130	0.0007	4.14E-07	0.2758	0.0039	3.32E-08
345		*	0.03	0.000	0.007	0.1550	0.0112	0.0006	3.58E-07	0.2757	0.0039	3.31E-08
346	*	*	0.00	0.000	0.000	0.1550	0.0096	0.0005	3.10E-07	0.2757	0.0039	3.31E-08
347		*	0.06	0.000	0.007	0.1573	0.0083	0.0005	2.69E-07	0.2756	0.0039	3.31E-08
348	*	*	0.08	0.000	0.013	0.1572	0.0072	0.0004	2.34E-07	0.2756	0.0039	3.31E-08
349		*	0.00	0.000	0.027	0.1590	0.0062	0.0003	2.03E-07	0.2755	0.0039	3.31E-08
350	*	*	0.00	0.000	0.000	0.1590	0.0053	0.0003	1.77E-07	0.2755	0.0039	3.31E-08
351	*	*	0.00	0.000	0.002	0.1590	0.0046	0.0002	1.54E-07	0.2754	0.0039	3.31E-08
352	*	*	0.00	0.000	0.003	0.1590	0.0039	0.0002	1.35E-07	0.2754	0.0039	3.31E-08
353	*	*	0.04	0.000	0.021	0.1590	0.0034	0.0002	1.18E-07	0.2754	0.0039	3.31E-08
354	*	*	0.00	0.000	0.007	0.1590	0.0029	0.0002	1.03E-07	0.2753	0.0039	3.31E-08
355	*	*	0.00	0.000	0.007	0.1590	0.0025	0.0001	9.10E-08	0.2753	0.0039	3.31E-08
356	*	*	0.00	0.000	0.003	0.1590	0.0022	0.0001	7.54E-08	0.2753	0.0039	3.31E-08
357	*	*	0.00	0.000	0.001	0.1590	0.0019	0.0001	7.09E-08	0.2752	0.0039	3.31E-08
358	*	*	0.00	0.000	0.002	0.1590	0.0016	0.0001	6.30E-08	0.2752	0.0039	3.31E-08
359	*	*	0.00	0.000	0.000	0.1590	0.0014	0.0001	5.61E-08	0.2752	0.0039	3.31E-08
360	*	*	0.00	0.000	0.000	0.1590	0.0012	0.0001	5.02E-08	0.2751	0.0039	3.31E-08
361	*	*	0.00	0.000	0.000	0.1590	0.0010	0.0001	4.52E-08	0.2751	0.0039	3.31E-08
362	*	*	0.00	0.000	0.000	0.1590	0.0009	0.0000	4.08E-08	0.2751	0.0039	3.31E-08

363	*	*	0.19	0.000	0.003	0.1590	0.0008	0.0000	3.70E-08	0.2751	0.0039	3.31E-08
364	*	*	0.08	0.000	0.006	0.1590	0.0007	0.0000	3.38E-08	0.2750	0.0039	3.31E-08
365	*	*	0.00	0.000	0.008	0.1590	0.0006	0.0000	3.10E-08	0.2750	0.0039	3.31E-08

* = Frozen (air or soil)

Annual Totals for Year 16			
	inches	cubic feet	percent
Precipitation	29.69	906,287.6	100.00
Runoff	0.086	2,620.3	0.29
Evapotranspiration	21.537	657,473.4	72.55
Drainage Collected from Layer 2	5.2203	159,368.2	17.58
Percolation/Leakage through Layer 3	0.003018	92.1	0.01
Average Head on Top of Layer 3	0.2617	---	---
Drainage Collected from Layer 5	1.4558	44,443.5	4.90
Percolation/Leakage through Layer 7	0.000012	0.3772	0.00
Average Head on Top of Layer 6	0.2808	---	---
Change in Water Storage	1.3883	42,381.8	4.68
Soil Water at Start of Year	299.5381	9,144,390.2	1008.99
Soil Water at End of Year	300.7236	9,180,579.0	1012.99
Snow Water at Start of Year	0.0409	1,249.5	0.14
Snow Water at End of Year	0.2438	7,442.5	0.82
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 17

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.008	0.1590	0.0004	0.0000	2.65E-08	0.2749	0.0039	3.31E-08
2	*	*	0.00	0.000	0.003	0.1590	0.0004	0.0000	2.47E-08	0.2749	0.0039	3.31E-08
3	*	*	0.04	0.000	0.005	0.1590	0.0003	0.0000	2.32E-08	0.2749	0.0039	3.30E-08
4	*	*	0.00	0.000	0.000	0.1590	0.0003	0.0000	2.18E-08	0.2749	0.0039	3.30E-08
5	*	*	0.02	0.000	0.003	0.1590	0.0002	0.0000	2.07E-08	0.2749	0.0039	3.30E-08
6	*	*	0.03	0.000	0.000	0.1590	0.0002	0.0000	1.97E-08	0.2748	0.0039	3.30E-08
7	*	*	0.14	0.000	0.000	0.1590	0.0002	0.0000	1.89E-08	0.2748	0.0039	3.30E-08
8	*	*	0.31	0.000	0.000	0.1590	0.0001	0.0000	1.81E-08	0.2748	0.0039	3.30E-08
9	*	*	0.00	0.000	0.006	0.1590	0.0001	0.0000	1.75E-08	0.2748	0.0039	3.30E-08
10	*	*	0.00	0.000	0.003	0.1590	0.0001	0.0000	1.70E-08	0.2747	0.0039	3.30E-08
11	*	*	0.05	0.000	0.004	0.1590	0.0001	0.0000	1.65E-08	0.2747	0.0039	3.30E-08
12	*	*	0.03	0.000	0.005	0.1590	0.0001	0.0000	1.61E-08	0.2747	0.0039	3.30E-08
13	*	*	0.08	0.000	0.004	0.1590	0.0001	0.0000	1.57E-08	0.2747	0.0039	3.30E-08
14	*	*	0.00	0.000	0.000	0.1590	0.0001	0.0000	1.54E-08	0.2747	0.0039	3.30E-08
15	*	*	0.00	0.000	0.006	0.1590	0.0001	0.0000	1.52E-08	0.2746	0.0039	3.30E-08
16	*	*	0.10	0.000	0.003	0.1590	0.0000	0.0000	1.50E-08	0.2746	0.0039	3.30E-08
17	*	*	0.10	0.000	0.000	0.1590	0.0000	0.0000	1.48E-08	0.2746	0.0039	3.30E-08
18	*	*	0.04	0.000	0.000	0.1590	0.0000	0.0000	1.46E-08	0.2746	0.0039	3.30E-08
19		*	0.12	0.000	0.000	0.1634	0.0000	0.0000	1.45E-08	0.2746	0.0039	3.30E-08
20	*	*	0.00	0.000	0.023	0.1634	0.0000	0.0000	1.44E-08	0.2745	0.0039	3.30E-08
21	*	*	0.00	0.000	0.008	0.1634	0.0000	0.0000	1.42E-08	0.2745	0.0039	3.30E-08
22	*	*	0.03	0.000	0.004	0.1634	0.0000	0.0000	1.42E-08	0.2745	0.0039	3.30E-08
23	*	*	0.10	0.000	0.000	0.1634	0.0000	0.0000	1.41E-08	0.2745	0.0039	3.30E-08
24		*	0.00	0.009	0.000	0.1723	0.0000	0.0000	1.40E-08	0.2745	0.0039	3.30E-08
25	*	*	0.01	0.000	0.025	0.1723	0.0000	0.0000	1.40E-08	0.2744	0.0039	3.30E-08
26	*	*	0.00	0.000	0.008	0.1723	0.0000	0.0000	1.39E-08	0.2744	0.0039	3.30E-08
27	*	*	0.00	0.000	0.003	0.1723	0.0000	0.0000	1.39E-08	0.2744	0.0039	3.30E-08
28	*	*	0.00	0.000	0.016	0.1723	0.0000	0.0000	1.38E-08	0.2744	0.0039	3.30E-08
29	*	*	0.00	0.000	0.000	0.1723	0.0000	0.0000	1.38E-08	0.2744	0.0039	3.30E-08

30	*	*	0.00	0.000	0.009	0.1723	0.0000	0.0000	1.38E-08	0.2744	0.0039	3.30E-08
31	*	*	0.21	0.000	0.004	0.1723	0.0000	0.0000	1.37E-08	0.2743	0.0039	3.30E-08
32	*	*	0.07	0.000	0.008	0.1723	0.0000	0.0000	1.37E-08	0.2743	0.0039	3.30E-08
33	*	*	0.06	0.000	0.000	0.1723	0.0000	0.0000	1.37E-08	0.2743	0.0039	3.30E-08
34	*	*	0.03	0.000	0.009	0.1723	0.0000	0.0000	1.37E-08	0.2743	0.0039	3.30E-08
35	*	*	0.00	0.000	0.008	0.1723	0.0000	0.0000	1.37E-08	0.2743	0.0039	3.30E-08
36	*	*	0.00	0.000	0.003	0.1723	0.0000	0.0000	1.37E-08	0.2742	0.0039	3.30E-08
37	*	*	0.00	0.000	0.004	0.1723	0.0000	0.0000	1.37E-08	0.2742	0.0039	3.30E-08
38	*	*	0.09	0.000	0.001	0.1723	0.0000	0.0000	1.36E-08	0.2742	0.0039	3.30E-08
39	*	*	0.00	0.000	0.003	0.1723	0.0000	0.0000	1.36E-08	0.2742	0.0039	3.30E-08
40	*	*	0.04	0.000	0.003	0.1723	0.0000	0.0000	1.36E-08	0.2742	0.0039	3.30E-08
41	*	*	0.02	0.000	0.001	0.1723	0.0000	0.0000	1.36E-08	0.2741	0.0039	3.30E-08
42	*	*	0.00	0.000	0.001	0.1723	0.0000	0.0000	1.36E-08	0.2741	0.0039	3.30E-08
43	*	*	0.00	0.000	0.000	0.1723	0.0000	0.0000	1.36E-08	0.2741	0.0039	3.30E-08
44	*	*	0.12	0.000	0.000	0.1723	0.0000	0.0000	1.36E-08	0.2741	0.0039	3.30E-08
45	*	*	0.00	0.000	0.009	0.1723	0.0000	0.0000	1.36E-08	0.2741	0.0039	3.29E-08
46	*	*	0.00	0.000	0.013	0.1723	0.0000	0.0000	1.36E-08	0.2741	0.0039	3.29E-08
47	*	*	0.00	0.000	0.011	0.1723	0.0000	0.0000	1.36E-08	0.2740	0.0039	3.29E-08
48		*	0.00	0.000	0.000	0.1723	0.0000	0.0000	1.36E-08	0.2740	0.0039	3.29E-08
49	*	*	0.00	0.000	0.010	0.1723	0.0000	0.0000	1.36E-08	0.2740	0.0039	3.29E-08
50	*	*	0.00	0.000	0.010	0.1723	0.0000	0.0000	1.36E-08	0.2740	0.0039	3.29E-08
51	*	*	0.06	0.000	0.004	0.1723	0.0000	0.0000	1.12E-09	0.2740	0.0039	3.29E-08
52	*	*	0.03	0.000	0.000	0.1723	0.0000	0.0000	0.00E+00	0.2739	0.0039	3.29E-08
53	*	*	0.48	0.000	0.000	0.1723	0.0000	0.0000	0.00E+00	0.2739	0.0039	3.29E-08
54		*	0.02	0.000	0.000	0.1723	0.0000	0.0000	0.00E+00	0.2739	0.0039	3.29E-08
55		*	0.04	1.431	0.000	0.1965	0.0000	0.0000	0.00E+00	0.2739	0.0039	3.29E-08
56		*	0.00	0.003	0.068	0.1993	0.0000	0.0000	0.00E+00	0.2739	0.0039	3.29E-08
57		*	0.00	0.000	0.000	0.1993	0.0000	0.0000	0.00E+00	0.2738	0.0039	3.29E-08
58		*	0.00	0.000	0.000	0.1993	0.0000	0.0000	0.00E+00	0.2738	0.0039	3.29E-08
59		*	0.00	0.000	0.000	0.1993	0.0000	0.0000	0.00E+00	0.2738	0.0039	3.29E-08
60		*	0.00	0.000	0.000	0.1993	0.0000	0.0000	0.00E+00	0.2738	0.0039	3.29E-08
61		*	0.00	0.000	0.000	0.1993	0.0000	0.0000	0.00E+00	0.2738	0.0039	3.29E-08
62	*	*	0.00	0.000	0.000	0.1993	0.0000	0.0000	0.00E+00	0.2737	0.0039	3.29E-08
63		*	0.00	0.000	0.000	0.1993	0.0000	0.0000	0.00E+00	0.2737	0.0039	3.29E-08
64		*	0.39	0.120	0.004	0.2104	0.0000	0.0000	0.00E+00	0.2737	0.0039	3.29E-08
65	*	*	0.00	0.000	0.000	0.2104	0.0000	0.0000	0.00E+00	0.2737	0.0039	3.29E-08
66	*	*	0.00	0.000	0.000	0.2104	0.0000	0.0000	0.00E+00	0.2737	0.0039	3.29E-08

67	*	*	0.00	0.000	0.000	0.2104	0.0000	0.0000	0.00E+00	0.2736	0.0039	3.29E-08
68	*	*	0.02	0.000	0.021	0.2104	0.0000	0.0000	0.00E+00	0.2736	0.0039	3.29E-08
69		*	0.00	0.000	0.003	0.2105	0.0000	0.0000	0.00E+00	0.2736	0.0039	3.29E-08
70	*	*	0.08	0.000	0.023	0.2105	0.0000	0.0000	0.00E+00	0.2736	0.0039	3.29E-08
71		*	0.00	0.000	0.054	0.2105	0.0000	0.0000	0.00E+00	0.2735	0.0039	3.29E-08
72		*	0.00	0.000	0.000	0.2105	0.0000	0.0000	0.00E+00	0.2735	0.0039	3.29E-08
73		*	0.06	0.000	0.003	0.2128	0.0000	0.0000	0.00E+00	0.2735	0.0039	3.29E-08
74	*	*	0.00	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.2735	0.0039	3.29E-08
75		*	0.00	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.2735	0.0039	3.29E-08
76		*	0.02	0.000	0.003	0.2134	0.0000	0.0000	0.00E+00	0.2734	0.0039	3.29E-08
77		*	0.18	0.022	0.003	0.2197	0.0000	0.0000	0.00E+00	0.2734	0.0039	3.29E-08
78		*	0.00	0.000	0.000	0.2197	0.0000	0.0000	0.00E+00	0.2734	0.0039	3.29E-08
79		*	0.01	0.000	0.003	0.2198	0.0000	0.0000	0.00E+00	0.2734	0.0039	3.29E-08
80		*	0.00	0.000	0.000	0.2198	0.0000	0.0000	0.00E+00	0.2734	0.0039	3.29E-08
81		*	0.00	0.000	0.000	0.2198	0.0000	0.0000	0.00E+00	0.2733	0.0039	3.29E-08
82			0.00	0.000	0.208	0.2052	2.5968	0.1416	8.45E-05	0.2734	0.0039	3.29E-08
83			0.00	0.000	0.152	0.1859	5.7277	0.3122	1.87E-04	0.2737	0.0039	3.29E-08
84			0.00	0.000	0.161	0.1688	4.5636	0.2488	1.48E-04	0.2741	0.0039	3.29E-08
85			0.00	0.000	0.176	0.1531	3.6926	0.2013	1.19E-04	0.2743	0.0039	3.30E-08
86			0.49	0.000	0.114	0.1612	3.3069	0.1803	1.06E-04	0.2745	0.0039	3.30E-08
87			0.63	0.000	0.258	0.1702	2.9393	0.1602	9.40E-05	0.2747	0.0039	3.30E-08
88			0.14	0.000	0.378	0.1543	2.6324	0.1435	8.40E-05	0.2747	0.0039	3.30E-08
89			0.00	0.000	0.170	0.1419	2.3598	0.1286	7.51E-05	0.2748	0.0039	3.30E-08
90			0.00	0.000	0.265	0.1260	2.1121	0.1151	6.71E-05	0.2748	0.0039	3.30E-08
91			0.00	0.000	0.130	0.1164	1.8778	0.1024	5.95E-05	0.2748	0.0039	3.30E-08
92			0.00	0.000	0.054	0.1103	1.6955	0.0924	5.37E-05	0.2748	0.0039	3.30E-08
93			0.00	0.000	0.041	0.1051	1.5093	0.0823	4.77E-05	0.2747	0.0039	3.30E-08
94			0.03	0.000	0.038	0.1020	1.3351	0.0728	4.21E-05	0.2746	0.0039	3.30E-08
95			0.00	0.000	0.031	0.0980	1.1784	0.0642	3.71E-05	0.2746	0.0039	3.30E-08
96			0.00	0.000	0.028	0.0945	1.0377	0.0566	3.26E-05	0.2745	0.0039	3.30E-08
97			0.00	0.000	0.025	0.0914	0.9120	0.0497	2.87E-05	0.2743	0.0039	3.30E-08
98			0.00	0.000	0.024	0.0885	0.8048	0.0439	2.53E-05	0.2742	0.0039	3.30E-08
99	*		0.40	0.000	0.043	0.0877	0.7138	0.0389	2.24E-05	0.2741	0.0039	3.30E-08
100			0.00	0.000	0.088	0.0966	0.6360	0.0347	1.99E-05	0.2740	0.0039	3.29E-08
101			0.47	0.000	0.025	0.1138	0.5684	0.0310	1.78E-05	0.2739	0.0039	3.29E-08
102			0.18	0.000	0.077	0.1168	0.5120	0.0279	1.60E-05	0.2737	0.0039	3.29E-08
103			0.06	0.000	0.089	0.1147	0.4553	0.0248	1.42E-05	0.2736	0.0039	3.29E-08

104		0.00	0.000	0.140	0.1080	0.3931	0.0214	1.23E-05	0.2735	0.0039	3.29E-08
105		0.35	0.000	0.250	0.1113	0.3396	0.0185	1.06E-05	0.2733	0.0039	3.29E-08
106		0.02	0.000	0.196	0.1033	0.3005	0.0164	9.38E-06	0.2732	0.0039	3.28E-08
107	*	0.00	0.000	0.000	0.1026	0.2781	0.0152	8.68E-06	0.2731	0.0039	3.28E-08
108	*	0.00	0.000	0.000	0.1020	0.2678	0.0146	8.36E-06	0.2730	0.0039	3.28E-08
109	*	0.00	0.000	0.000	0.1014	0.2533	0.0138	7.91E-06	0.2728	0.0039	3.28E-08
110	*	0.00	0.000	0.000	0.1009	0.2371	0.0129	7.40E-06	0.2727	0.0039	3.28E-08
111	*	0.03	0.000	0.110	0.0968	0.2211	0.0121	6.90E-06	0.2726	0.0039	3.28E-08
112	*	0.00	0.000	0.116	0.0916	0.1957	0.0107	6.10E-06	0.2725	0.0039	3.28E-08
113	*	0.02	0.000	0.022	0.0912	0.1757	0.0096	5.48E-06	0.2724	0.0039	3.27E-08
114	*	0.07	0.000	0.065	0.0911	0.1665	0.0091	5.19E-06	0.2723	0.0039	3.27E-08
115		0.31	0.000	0.132	0.0981	0.1518	0.0083	4.73E-06	0.2722	0.0039	3.27E-08
116	*	0.16	0.000	0.044	0.0986	0.1365	0.0074	4.25E-06	0.2721	0.0039	3.27E-08
117		0.00	0.000	0.094	0.0987	0.1314	0.0072	4.09E-06	0.2720	0.0039	3.27E-08
118		0.01	0.000	0.186	0.0910	0.1209	0.0066	3.77E-06	0.2719	0.0039	3.27E-08
119		0.00	0.000	0.054	0.0885	0.1143	0.0062	3.56E-06	0.2718	0.0039	3.27E-08
120		0.25	0.000	0.044	0.0969	0.1126	0.0061	3.51E-06	0.2718	0.0038	3.27E-08
121		0.00	0.000	0.125	0.0914	0.1078	0.0059	3.36E-06	0.2717	0.0038	3.27E-08
122	*	0.00	0.000	0.035	0.0897	0.1054	0.0057	3.28E-06	0.2716	0.0038	3.26E-08
123		0.11	0.000	0.033	0.0927	0.1004	0.0055	3.13E-06	0.2715	0.0038	3.26E-08
124		0.46	0.000	0.159	0.1051	0.0974	0.0053	3.03E-06	0.2715	0.0038	3.26E-08
125		0.00	0.000	0.083	0.1014	0.0959	0.0052	2.99E-06	0.2714	0.0038	3.26E-08
126	*	0.00	0.000	0.000	0.1012	0.0902	0.0049	2.81E-06	0.2713	0.0038	3.26E-08
127	*	0.00	0.000	0.000	0.1010	0.0824	0.0045	2.57E-06	0.2713	0.0038	3.26E-08
128		0.00	0.000	0.190	0.0929	0.0768	0.0042	2.39E-06	0.2712	0.0038	3.26E-08
129		0.00	0.000	0.179	0.0853	0.0723	0.0039	2.25E-06	0.2711	0.0038	3.26E-08
130		0.00	0.000	0.130	0.0797	0.0737	0.0040	2.29E-06	0.2711	0.0038	3.26E-08
131		0.00	0.000	0.054	0.0773	0.0714	0.0039	2.22E-06	0.2710	0.0038	3.26E-08
132		0.00	0.000	0.041	0.0754	0.0667	0.0036	2.08E-06	0.2710	0.0038	3.26E-08
133		0.00	0.000	0.037	0.0740	0.0619	0.0034	1.93E-06	0.2709	0.0038	3.26E-08
134		0.15	0.000	0.034	0.0787	0.0574	0.0031	1.79E-06	0.2709	0.0038	3.26E-08
135		0.00	0.000	0.029	0.0774	0.0532	0.0029	1.65E-06	0.2708	0.0038	3.26E-08
136		0.00	0.000	0.027	0.0762	0.0492	0.0027	1.53E-06	0.2708	0.0038	3.26E-08
137		0.00	0.000	0.025	0.0750	0.0457	0.0025	1.42E-06	0.2707	0.0038	3.25E-08
138		0.02	0.000	0.026	0.0749	0.0424	0.0023	1.32E-06	0.2707	0.0038	3.25E-08
139		0.44	0.000	0.025	0.0923	0.0395	0.0022	1.23E-06	0.2707	0.0038	3.25E-08
140		0.02	0.000	0.172	0.0857	0.0395	0.0022	1.23E-06	0.2706	0.0038	3.25E-08

141	0.00	0.000	0.022	0.0847	0.0408	0.0022	1.27E-06	0.2706	0.0038	3.25E-08
142	0.14	0.000	0.023	0.0895	0.0375	0.0020	1.17E-06	0.2706	0.0038	3.25E-08
143	0.20	0.000	0.168	0.0909	0.0372	0.0020	1.16E-06	0.2705	0.0038	3.25E-08
144	0.00	0.000	0.495	0.0701	0.0469	0.0026	1.46E-06	0.2705	0.0038	3.25E-08
145	0.60	0.000	0.133	0.0892	0.0569	0.0031	1.77E-06	0.2705	0.0038	3.25E-08
146	0.03	0.000	0.265	0.0793	0.0572	0.0031	1.78E-06	0.2704	0.0038	3.25E-08
147	0.00	0.000	0.057	0.0768	0.0583	0.0032	1.81E-06	0.2704	0.0038	3.25E-08
148	0.20	0.000	0.047	0.0831	0.0529	0.0029	1.65E-06	0.2704	0.0038	3.25E-08
149	0.18	0.000	0.039	0.0889	0.0478	0.0026	1.49E-06	0.2703	0.0038	3.25E-08
150	0.07	0.000	0.289	0.0797	0.0459	0.0025	1.43E-06	0.2703	0.0038	3.25E-08
151	0.15	0.000	0.037	0.0844	0.0470	0.0026	1.46E-06	0.2703	0.0038	3.25E-08
152	0.00	0.000	0.033	0.0830	0.0423	0.0023	1.32E-06	0.2703	0.0038	3.25E-08
153	0.00	0.000	0.031	0.0816	0.0381	0.0021	1.19E-06	0.2702	0.0038	3.25E-08
154	0.00	0.000	0.031	0.0803	0.0343	0.0019	1.07E-06	0.2702	0.0038	3.25E-08
155	0.00	0.000	0.028	0.0790	0.0307	0.0017	9.58E-07	0.2702	0.0038	3.25E-08
156	0.00	0.000	0.024	0.0780	0.0278	0.0015	8.70E-07	0.2702	0.0038	3.25E-08
157	0.00	0.000	0.026	0.0768	0.0253	0.0014	7.92E-07	0.2702	0.0038	3.25E-08
158	0.46	0.000	0.030	0.0948	0.0232	0.0013	7.28E-07	0.2701	0.0038	3.25E-08
159	0.06	0.000	0.283	0.0853	0.0243	0.0013	7.62E-07	0.2701	0.0038	3.25E-08
160	0.00	0.000	0.264	0.0742	0.0595	0.0032	1.85E-06	0.2701	0.0038	3.25E-08
161	0.00	0.000	0.145	0.0680	0.0538	0.0029	1.67E-06	0.2701	0.0038	3.25E-08
162	0.00	0.000	0.073	0.0650	0.0450	0.0025	1.40E-06	0.2701	0.0038	3.25E-08
163	0.00	0.000	0.057	0.0626	0.0374	0.0020	1.17E-06	0.2700	0.0038	3.25E-08
164	0.19	0.000	0.050	0.0682	0.0311	0.0017	9.69E-07	0.2700	0.0038	3.25E-08
165	0.00	0.000	0.054	0.0659	0.0263	0.0014	8.23E-07	0.2700	0.0038	3.25E-08
166	0.00	0.000	0.050	0.0637	0.0263	0.0014	8.23E-07	0.2700	0.0038	3.25E-08
167	0.00	0.000	0.044	0.0618	0.0214	0.0012	6.73E-07	0.2700	0.0038	3.25E-08
168	0.00	0.000	0.044	0.0599	0.0168	0.0009	5.31E-07	0.2700	0.0038	3.25E-08
169	0.23	0.000	0.048	0.0675	0.0127	0.0007	4.04E-07	0.2699	0.0038	3.25E-08
170	0.03	0.000	0.035	0.0674	0.0094	0.0005	3.03E-07	0.2699	0.0038	3.24E-08
171	0.00	0.000	0.040	0.0657	0.0069	0.0004	2.26E-07	0.2699	0.0038	3.24E-08
172	0.00	0.000	0.045	0.0638	0.0077	0.0004	2.52E-07	0.2699	0.0038	3.24E-08
173	0.00	0.000	0.051	0.0616	0.0050	0.0003	1.67E-07	0.2699	0.0038	3.24E-08
174	0.00	0.000	0.055	0.0593	0.0014	0.0001	5.28E-08	0.2699	0.0038	3.24E-08
175	0.49	0.000	0.045	0.0780	0.0000	0.0000	0.00E+00	0.2698	0.0038	3.24E-08
176	0.00	0.000	0.203	0.0696	0.0000	0.0000	0.00E+00	0.2698	0.0038	3.24E-08
177	0.45	0.000	0.319	0.0752	0.0000	0.0000	0.00E+00	0.2698	0.0038	3.24E-08

178	0.00	0.000	0.172	0.0681	0.0000	0.0000	0.00E+00	0.2698	0.0038	3.24E-08
179	0.00	0.000	0.154	0.0617	0.0000	0.0000	0.00E+00	0.2698	0.0038	3.24E-08
180	1.15	0.000	0.085	0.1063	0.0000	0.0000	0.00E+00	0.2698	0.0038	3.24E-08
181	0.00	0.000	0.323	0.0928	0.0000	0.0000	0.00E+00	0.2698	0.0038	3.24E-08
182	0.00	0.000	0.298	0.0804	0.0075	0.0004	2.39E-07	0.2697	0.0038	3.24E-08
183	0.02	0.000	0.167	0.0742	0.0080	0.0004	2.61E-07	0.2697	0.0038	3.24E-08
184	0.00	0.000	0.105	0.0699	0.0006	0.0000	0.00E+00	0.2697	0.0038	3.24E-08
185	0.00	0.000	0.071	0.0670	0.0000	0.0000	0.00E+00	0.2697	0.0038	3.24E-08
186	0.00	0.000	0.069	0.0641	0.0000	0.0000	0.00E+00	0.2697	0.0038	3.24E-08
187	0.00	0.000	0.110	0.0596	0.0000	0.0000	0.00E+00	0.2697	0.0038	3.24E-08
188	1.02	0.000	0.120	0.0973	0.0000	0.0000	0.00E+00	0.2697	0.0038	3.24E-08
189	0.00	0.000	0.291	0.0851	0.0000	0.0000	0.00E+00	0.2696	0.0038	3.24E-08
190	0.60	0.000	0.293	0.0980	0.0000	0.0000	0.00E+00	0.2696	0.0038	3.24E-08
191	0.00	0.000	0.200	0.0897	0.0129	0.0007	4.11E-07	0.2696	0.0038	3.24E-08
192	0.95	0.000	0.128	0.1237	0.0390	0.0021	1.21E-06	0.2696	0.0038	3.24E-08
193	0.24	0.000	0.312	0.1206	0.0544	0.0030	1.69E-06	0.2696	0.0038	3.24E-08
194	0.00	0.000	0.349	0.1059	0.0436	0.0024	1.36E-06	0.2696	0.0038	3.24E-08
195	0.11	0.000	0.149	0.1043	0.0632	0.0034	1.97E-06	0.2696	0.0038	3.24E-08
196	0.00	0.000	0.339	0.0901	0.0582	0.0032	1.81E-06	0.2696	0.0038	3.24E-08
197	0.00	0.000	0.260	0.0791	0.0439	0.0024	1.37E-06	0.2695	0.0038	3.24E-08
198	0.56	0.000	0.133	0.0969	0.0307	0.0017	9.59E-07	0.2695	0.0038	3.24E-08
199	0.23	0.000	0.123	0.1012	0.0231	0.0013	7.24E-07	0.2695	0.0038	3.24E-08
200	0.02	0.000	0.251	0.0917	0.0184	0.0010	5.80E-07	0.2695	0.0038	3.24E-08
201	0.00	0.000	0.331	0.0779	0.0133	0.0007	4.22E-07	0.2695	0.0038	3.24E-08
202	0.00	0.000	0.168	0.0708	0.0081	0.0004	2.61E-07	0.2695	0.0038	3.24E-08
203	0.12	0.000	0.231	0.0663	0.0017	0.0001	4.37E-08	0.2695	0.0038	3.24E-08
204	0.15	0.000	0.216	0.0635	0.0000	0.0000	0.00E+00	0.2694	0.0038	3.24E-08
205	0.00	0.000	0.186	0.0558	0.0000	0.0000	0.00E+00	0.2694	0.0038	3.24E-08
206	0.12	0.000	0.180	0.0531	0.0000	0.0000	0.00E+00	0.2694	0.0038	3.24E-08
207	0.12	0.000	0.182	0.0507	0.0310	0.0017	9.69E-07	0.2694	0.0038	3.24E-08
208	0.53	0.000	0.211	0.0640	0.0642	0.0035	2.00E-06	0.2694	0.0038	3.24E-08
209	0.40	0.000	0.119	0.0755	0.0533	0.0029	1.66E-06	0.2694	0.0038	3.24E-08
210	0.02	0.000	0.150	0.0701	0.0424	0.0023	1.32E-06	0.2694	0.0038	3.24E-08
211	0.06	0.000	0.266	0.0616	0.0191	0.0010	5.64E-07	0.2693	0.0038	3.24E-08
212	0.10	0.000	0.256	0.0553	0.0000	0.0000	0.00E+00	0.2693	0.0038	3.24E-08
213	0.07	0.000	0.249	0.0479	0.0000	0.0000	0.00E+00	0.2693	0.0038	3.24E-08
214	0.03	0.000	0.107	0.0447	0.0000	0.0000	0.00E+00	0.2693	0.0038	3.24E-08

215	0.01	0.000	0.073	0.0421	0.0075	0.0004	2.39E-07	0.2693	0.0038	3.24E-08
216	0.01	0.000	0.102	0.0382	0.0304	0.0016	9.30E-07	0.2693	0.0038	3.24E-08
217	0.00	0.000	0.058	0.0357	0.0000	0.0000	0.00E+00	0.2692	0.0038	3.24E-08
218	0.00	0.000	0.029	0.0345	0.0000	0.0000	0.00E+00	0.2692	0.0038	3.24E-08
219	0.01	0.000	0.036	0.0334	0.0000	0.0000	0.00E+00	0.2692	0.0038	3.24E-08
220	0.01	0.000	0.030	0.0325	0.0000	0.0000	0.00E+00	0.2692	0.0038	3.24E-08
221	2.07	0.000	0.073	0.1158	0.0000	0.0000	0.00E+00	0.2692	0.0038	3.24E-08
222	0.00	0.000	0.243	0.1056	0.0000	0.0000	0.00E+00	0.2691	0.0038	3.24E-08
223	0.00	0.000	0.233	0.0959	0.0000	0.0000	0.00E+00	0.2691	0.0038	3.24E-08
224	0.00	0.000	0.251	0.0855	0.0000	0.0000	0.00E+00	0.2691	0.0038	3.23E-08
225	0.00	0.000	0.206	0.0770	0.0000	0.0000	0.00E+00	0.2691	0.0038	3.23E-08
226	0.03	0.000	0.108	0.0735	0.0000	0.0000	0.00E+00	0.2691	0.0038	3.23E-08
227	0.13	0.000	0.093	0.0750	0.0000	0.0000	0.00E+00	0.2691	0.0038	3.23E-08
228	0.43	0.000	0.098	0.0888	0.0000	0.0000	0.00E+00	0.2690	0.0038	3.23E-08
229	0.74	0.000	0.107	0.1153	0.0000	0.0000	0.00E+00	0.2690	0.0038	3.23E-08
230	0.01	0.000	0.266	0.1046	0.0000	0.0000	0.00E+00	0.2690	0.0038	3.23E-08
231	0.00	0.000	0.110	0.1000	0.0000	0.0000	0.00E+00	0.2690	0.0038	3.23E-08
232	0.35	0.000	0.107	0.1100	0.0000	0.0000	0.00E+00	0.2690	0.0038	3.23E-08
233	0.25	0.000	0.115	0.1156	0.0000	0.0000	0.00E+00	0.2689	0.0038	3.23E-08
234	0.04	0.000	0.116	0.1126	0.0000	0.0000	0.00E+00	0.2689	0.0038	3.23E-08
235	0.02	0.000	0.111	0.1089	0.0000	0.0000	0.00E+00	0.2689	0.0038	3.23E-08
236	0.00	0.000	0.109	0.1043	0.0000	0.0000	0.00E+00	0.2689	0.0038	3.23E-08
237	0.62	0.000	0.240	0.1203	0.0000	0.0000	0.00E+00	0.2689	0.0038	3.23E-08
238	0.47	0.000	0.214	0.1308	0.0000	0.0000	0.00E+00	0.2688	0.0038	3.23E-08
239	0.00	0.000	0.134	0.1252	0.0000	0.0000	0.00E+00	0.2688	0.0038	3.23E-08
240	0.00	0.000	0.089	0.1215	0.0000	0.0000	0.00E+00	0.2688	0.0038	3.23E-08
241	0.00	0.000	0.133	0.1160	0.0000	0.0000	0.00E+00	0.2688	0.0038	3.23E-08
242	0.00	0.000	0.174	0.1087	0.0000	0.0000	0.00E+00	0.2688	0.0038	3.23E-08
243	0.00	0.000	0.203	0.1003	0.0000	0.0000	0.00E+00	0.2687	0.0038	3.23E-08
244	0.00	0.000	0.134	0.0947	0.0000	0.0000	0.00E+00	0.2687	0.0038	3.23E-08
245	0.00	0.000	0.054	0.0924	0.0000	0.0000	0.00E+00	0.2687	0.0038	3.23E-08
246	0.01	0.000	0.047	0.0907	0.0000	0.0000	0.00E+00	0.2687	0.0038	3.23E-08
247	0.00	0.000	0.035	0.0893	0.0000	0.0000	0.00E+00	0.2687	0.0038	3.23E-08
248	0.00	0.000	0.031	0.0879	0.0347	0.0019	1.09E-06	0.2687	0.0038	3.23E-08
249	0.00	0.000	0.028	0.0865	0.1028	0.0056	3.20E-06	0.2686	0.0038	3.23E-08
250	0.01	0.000	0.030	0.0851	0.1507	0.0082	4.70E-06	0.2686	0.0038	3.23E-08
251	0.01	0.000	0.029	0.0837	0.1832	0.0100	5.71E-06	0.2686	0.0038	3.23E-08

252		0.68	0.000	0.043	0.1099	0.2043	0.0111	6.37E-06	0.2686	0.0038	3.23E-08
253		0.16	0.000	0.142	0.1103	0.2257	0.0123	7.04E-06	0.2686	0.0038	3.23E-08
254		0.27	0.000	0.092	0.1172	0.2274	0.0124	7.09E-06	0.2686	0.0038	3.23E-08
255		0.61	0.000	0.140	0.1365	0.2022	0.0110	6.31E-06	0.2686	0.0038	3.23E-08
256		0.00	0.000	0.073	0.1330	0.2084	0.0114	6.50E-06	0.2686	0.0038	3.23E-08
257		0.08	0.000	0.073	0.1329	0.2158	0.0118	6.73E-06	0.2686	0.0038	3.23E-08
258		0.17	0.000	0.159	0.1329	0.2340	0.0128	7.30E-06	0.2686	0.0038	3.23E-08
259		0.00	0.000	0.131	0.1270	0.2340	0.0128	7.30E-06	0.2685	0.0038	3.23E-08
260		0.20	0.000	0.073	0.1319	0.2063	0.0112	6.43E-06	0.2685	0.0038	3.23E-08
261		0.44	0.000	0.066	0.1471	0.2031	0.0111	6.33E-06	0.2685	0.0038	3.23E-08
262		0.50	0.000	0.167	0.1605	0.2093	0.0114	6.53E-06	0.2685	0.0038	3.23E-08
263		0.17	0.000	0.169	0.1599	0.2432	0.0133	7.59E-06	0.2685	0.0038	3.23E-08
264		0.41	0.000	0.083	0.1724	0.5191	0.0283	1.63E-05	0.2685	0.0038	3.23E-08
265		0.09	0.000	0.210	0.1655	0.8606	0.0469	2.70E-05	0.2685	0.0038	3.23E-08
266		0.01	0.000	0.272	0.1520	1.1825	0.0645	3.73E-05	0.2685	0.0038	3.23E-08
267		0.01	0.000	0.167	0.1424	1.4011	0.0764	4.42E-05	0.2686	0.0038	3.23E-08
268		0.01	0.000	0.091	0.1357	1.4182	0.0773	4.48E-05	0.2686	0.0038	3.23E-08
269		0.00	0.000	0.111	0.1279	1.3686	0.0746	4.32E-05	0.2687	0.0038	3.23E-08
270	*	0.00	0.000	0.045	0.1231	1.2900	0.0703	4.07E-05	0.2687	0.0038	3.23E-08
271	*	0.09	0.000	0.032	0.1212	1.1721	0.0639	3.69E-05	0.2688	0.0038	3.23E-08
272		0.21	0.000	0.039	0.1276	1.0561	0.0576	3.32E-05	0.2688	0.0038	3.23E-08
273		0.00	0.000	0.084	0.1219	0.9665	0.0527	3.04E-05	0.2688	0.0038	3.23E-08
274		0.00	0.000	0.055	0.1176	0.9034	0.0492	2.84E-05	0.2688	0.0038	3.23E-08
275		0.00	0.000	0.046	0.1138	0.8334	0.0454	2.62E-05	0.2688	0.0038	3.23E-08
276		0.00	0.000	0.093	0.1082	0.7719	0.0421	2.42E-05	0.2687	0.0038	3.23E-08
277		0.00	0.000	0.049	0.1045	0.7117	0.0388	2.23E-05	0.2687	0.0038	3.23E-08
278		0.00	0.000	0.041	0.1013	0.6507	0.0355	2.04E-05	0.2687	0.0038	3.23E-08
279		0.25	0.000	0.047	0.1083	0.6096	0.0332	1.91E-05	0.2686	0.0038	3.23E-08
280	*	0.00	0.000	0.000	0.1069	0.5799	0.0316	1.82E-05	0.2686	0.0038	3.23E-08
281	*	0.11	0.000	0.029	0.1065	0.5387	0.0294	1.69E-05	0.2685	0.0038	3.23E-08
282	*	0.00	0.000	0.029	0.1062	0.4940	0.0269	1.55E-05	0.2685	0.0038	3.23E-08
283		0.00	0.000	0.064	0.1030	0.4506	0.0246	1.41E-05	0.2684	0.0038	3.23E-08
284		0.00	0.000	0.031	0.1008	0.4115	0.0224	1.29E-05	0.2683	0.0038	3.23E-08
285		0.05	0.000	0.039	0.1004	0.3765	0.0205	1.18E-05	0.2683	0.0038	3.22E-08
286		0.19	0.000	0.037	0.1061	0.3429	0.0187	1.07E-05	0.2682	0.0038	3.22E-08
287		0.22	0.000	0.091	0.1108	0.3152	0.0172	9.84E-06	0.2682	0.0038	3.22E-08
288		0.05	0.000	0.051	0.1101	0.2892	0.0158	9.03E-06	0.2681	0.0038	3.22E-08

289		0.00	0.000	0.067	0.1067	0.2624	0.0143	8.19E-06	0.2680	0.0038	3.22E-08
290		0.37	0.000	0.086	0.1178	0.2370	0.0129	7.39E-06	0.2680	0.0038	3.22E-08
291		0.01	0.000	0.067	0.1150	0.2203	0.0120	6.87E-06	0.2679	0.0038	3.22E-08
292		0.00	0.000	0.074	0.1115	0.2042	0.0111	6.37E-06	0.2678	0.0038	3.22E-08
293	*	0.00	0.000	0.037	0.1095	0.1801	0.0098	5.62E-06	0.2678	0.0038	3.22E-08
294	*	0.00	0.000	0.035	0.1077	0.1635	0.0089	5.10E-06	0.2677	0.0038	3.22E-08
295	*	0.00	0.000	0.027	0.1062	0.1536	0.0084	4.79E-06	0.2676	0.0038	3.22E-08
296	*	0.00	0.000	0.023	0.1050	0.1475	0.0080	4.60E-06	0.2676	0.0038	3.22E-08
297	*	0.00	0.000	0.000	0.1046	0.1437	0.0078	4.48E-06	0.2675	0.0038	3.22E-08
298	*	0.00	0.000	0.000	0.1043	0.1409	0.0077	4.39E-06	0.2674	0.0038	3.21E-08
299	*	0.00	0.000	0.000	0.1040	0.1369	0.0075	4.27E-06	0.2674	0.0038	3.21E-08
300	*	0.00	0.000	0.000	0.1037	0.1323	0.0072	4.12E-06	0.2673	0.0038	3.21E-08
301		0.00	0.000	0.034	0.1020	0.1290	0.0070	4.02E-06	0.2673	0.0038	3.21E-08
302		0.48	0.000	0.104	0.1174	0.1210	0.0066	3.77E-06	0.2672	0.0038	3.21E-08
303		0.00	0.000	0.048	0.1151	0.1127	0.0061	3.51E-06	0.2672	0.0038	3.21E-08
304		0.00	0.000	0.043	0.1131	0.1129	0.0062	3.52E-06	0.2671	0.0038	3.21E-08
305		0.00	0.000	0.087	0.1092	0.1016	0.0055	3.17E-06	0.2671	0.0038	3.21E-08
306	*	0.00	0.000	0.000	0.1090	0.0942	0.0051	2.94E-06	0.2670	0.0038	3.21E-08
307	*	0.00	0.000	0.000	0.1088	0.0943	0.0051	2.94E-06	0.2670	0.0038	3.21E-08
308	*	0.00	0.000	0.000	0.1086	0.0930	0.0051	2.90E-06	0.2669	0.0038	3.21E-08
309	*	0.00	0.000	0.027	0.1073	0.0926	0.0051	2.89E-06	0.2669	0.0038	3.21E-08
310		0.00	0.000	0.079	0.1038	0.0933	0.0051	2.91E-06	0.2668	0.0038	3.21E-08
311		0.03	0.000	0.089	0.1014	0.0888	0.0048	2.77E-06	0.2668	0.0038	3.21E-08
312		0.00	0.000	0.106	0.0968	0.0765	0.0042	2.38E-06	0.2667	0.0038	3.21E-08
313		0.00	0.000	0.189	0.0887	0.0669	0.0036	2.08E-06	0.2667	0.0038	3.21E-08
314		0.00	0.000	0.070	0.0857	0.0644	0.0035	2.01E-06	0.2667	0.0038	3.21E-08
315		0.00	0.000	0.054	0.0833	0.0713	0.0039	2.22E-06	0.2666	0.0038	3.20E-08
316		0.00	0.000	0.041	0.0814	0.0746	0.0041	2.32E-06	0.2666	0.0038	3.20E-08
317		0.00	0.000	0.035	0.0798	0.0755	0.0041	2.35E-06	0.2665	0.0038	3.20E-08
318	*	0.00	0.000	0.022	0.0787	0.0749	0.0041	2.33E-06	0.2665	0.0038	3.20E-08
319	*	0.00	0.000	0.000	0.0785	0.0727	0.0040	2.26E-06	0.2665	0.0038	3.20E-08
320	*	0.01	0.000	0.009	0.0784	0.0696	0.0038	2.17E-06	0.2664	0.0038	3.20E-08
321	*	0.01	0.000	0.013	0.0782	0.0665	0.0036	2.07E-06	0.2664	0.0038	3.20E-08
322	*	0.00	0.000	0.000	0.0781	0.0632	0.0034	1.97E-06	0.2664	0.0038	3.20E-08
323	*	0.00	0.000	0.000	0.0779	0.0590	0.0032	1.84E-06	0.2663	0.0038	3.20E-08
324		0.00	0.000	0.028	0.0766	0.0557	0.0030	1.73E-06	0.2663	0.0038	3.20E-08
325		0.00	0.000	0.025	0.0755	0.0538	0.0029	1.68E-06	0.2663	0.0038	3.20E-08

326			0.00	0.000	0.024	0.0744	0.0498	0.0027	1.55E-06	0.2662	0.0038	3.20E-08
327			0.00	0.000	0.022	0.0733	0.0447	0.0024	1.39E-06	0.2662	0.0038	3.20E-08
328			0.05	0.000	0.027	0.0740	0.0391	0.0021	1.22E-06	0.2662	0.0038	3.20E-08
329			0.22	0.000	0.026	0.0822	0.0338	0.0018	1.05E-06	0.2661	0.0038	3.20E-08
330			0.00	0.000	0.019	0.0813	0.0317	0.0017	9.88E-07	0.2661	0.0038	3.20E-08
331	*		0.00	0.000	0.000	0.0813	0.0313	0.0017	9.76E-07	0.2661	0.0038	3.20E-08
332	*		0.00	0.000	0.018	0.0804	0.0281	0.0015	8.79E-07	0.2661	0.0038	3.20E-08
333			0.00	0.000	0.018	0.0796	0.0250	0.0014	7.82E-07	0.2660	0.0038	3.20E-08
334			0.23	0.000	0.023	0.0884	0.0253	0.0014	7.93E-07	0.2660	0.0038	3.20E-08
335	*		0.00	0.000	0.001	0.0884	0.0245	0.0013	7.68E-07	0.2660	0.0038	3.20E-08
336	*		0.00	0.000	0.016	0.0876	0.0226	0.0012	7.11E-07	0.2659	0.0038	3.20E-08
337	*		0.23	0.000	0.019	0.0884	0.0200	0.0011	6.29E-07	0.2659	0.0038	3.20E-08
338			0.33	0.000	0.000	0.1099	0.0173	0.0009	5.45E-07	0.2659	0.0038	3.20E-08
339	*		0.00	0.000	0.000	0.1099	0.0158	0.0009	5.01E-07	0.2659	0.0038	3.20E-08
340			0.00	0.000	0.037	0.1083	0.0186	0.0010	5.85E-07	0.2658	0.0038	3.20E-08
341	*		0.06	0.000	0.014	0.1091	0.0201	0.0011	6.32E-07	0.2658	0.0038	3.20E-08
342	*		0.00	0.000	0.005	0.1098	0.0192	0.0010	6.04E-07	0.2658	0.0038	3.19E-08
343	*		0.00	0.000	0.000	0.1097	0.0198	0.0011	6.22E-07	0.2658	0.0038	3.19E-08
344	*		0.00	0.000	0.000	0.1097	0.0214	0.0012	6.71E-07	0.2657	0.0038	3.19E-08
345	*	*	0.00	0.000	0.000	0.1096	0.0215	0.0012	6.74E-07	0.2657	0.0038	3.19E-08
346	*	*	0.00	0.000	0.000	0.1096	0.0185	0.0010	5.83E-07	0.2657	0.0038	3.19E-08
347	*	*	0.01	0.000	0.002	0.1095	0.0159	0.0009	5.04E-07	0.2657	0.0038	3.19E-08
348	*	*	0.20	0.000	0.001	0.1095	0.0137	0.0007	4.36E-07	0.2656	0.0038	3.19E-08
349	*	*	0.38	0.000	0.002	0.1095	0.0118	0.0006	3.77E-07	0.2656	0.0038	3.19E-08
350	*	*	0.00	0.000	0.005	0.1095	0.0102	0.0006	3.27E-07	0.2656	0.0038	3.19E-08
351	*	*	0.00	0.000	0.024	0.1094	0.0088	0.0005	2.83E-07	0.2656	0.0038	3.19E-08
352		*	0.00	0.000	0.013	0.1136	0.0075	0.0004	2.46E-07	0.2656	0.0038	3.19E-08
353	*	*	0.00	0.000	0.010	0.1136	0.0065	0.0004	2.14E-07	0.2655	0.0038	3.19E-08
354		*	0.00	0.025	0.000	0.1282	0.0056	0.0003	1.86E-07	0.2655	0.0038	3.19E-08
355		*	0.00	0.000	0.030	0.1291	0.0048	0.0003	1.62E-07	0.2655	0.0038	3.19E-08
356		*	0.00	0.000	0.003	0.1291	0.0042	0.0002	1.41E-07	0.2655	0.0038	3.19E-08
357		*	0.10	0.000	0.005	0.1333	0.0036	0.0002	1.24E-07	0.2655	0.0038	3.19E-08
358	*	*	0.01	0.000	0.013	0.1333	0.0031	0.0002	1.08E-07	0.2654	0.0038	3.19E-08
359		*	0.00	0.000	0.000	0.1333	0.0027	0.0001	9.53E-08	0.2654	0.0038	3.19E-08
360		*	0.00	0.000	0.000	0.1333	0.0023	0.0001	8.40E-08	0.2654	0.0038	3.19E-08
361		*	0.00	0.000	0.000	0.1333	0.0020	0.0001	7.41E-08	0.2654	0.0038	3.19E-08
362	*	*	0.00	0.000	0.000	0.1333	0.0017	0.0001	6.57E-08	0.2654	0.0038	3.19E-08

363		*	0.00	0.000	0.000	0.1333	0.0015	0.0001	5.85E-08	0.2653	0.0038	3.19E-08
364		*	0.00	0.000	0.000	0.1333	0.0013	0.0001	5.23E-08	0.2653	0.0038	3.19E-08
365	*	*	0.00	0.000	0.000	0.1333	0.0011	0.0001	4.69E-08	0.2653	0.0038	3.19E-08

* = Frozen (air or soil)

Annual Totals for Year 17			
	inches	cubic feet	percent
Precipitation	31.18	951,809.8	100.00
Runoff	1.609	49,119.4	5.16
Evapotranspiration	26.205	799,993.4	84.05
Drainage Collected from Layer 2	4.2224	128,901.3	13.54
Percolation/Leakage through Layer 3	0.002457	75.0	0.01
Average Head on Top of Layer 3	0.2122	---	---
Drainage Collected from Layer 5	1.3977	42,670.9	4.48
Percolation/Leakage through Layer 7	0.000012	0.3621	0.00
Average Head on Top of Layer 6	0.2703	---	---
Change in Water Storage	-2.2561	-68,875.6	-7.24
Soil Water at Start of Year	300.7236	9,180,579.0	964.54
Soil Water at End of Year	298.7112	9,119,146.0	958.08
Snow Water at Start of Year	0.2438	7,442.5	0.78
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 18

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1		*	0.00	0.000	0.000	0.1332	0.0009	0.0001	4.23E-08	0.2653	0.0038	3.19E-08
2		*	0.00	0.000	0.000	0.1332	0.0008	0.0000	3.83E-08	0.2653	0.0038	3.19E-08
3		*	0.00	0.000	0.000	0.1332	0.0007	0.0000	3.49E-08	0.2652	0.0038	3.19E-08
4		*	0.10	0.000	0.004	0.1371	0.0006	0.0000	3.19E-08	0.2652	0.0038	3.19E-08
5		*	0.03	0.000	0.004	0.1380	0.0005	0.0000	2.94E-08	0.2652	0.0038	3.19E-08
6		*	0.00	0.000	0.000	0.1380	0.0004	0.0000	2.72E-08	0.2652	0.0038	3.19E-08
7	*	*	0.00	0.000	0.000	0.1380	0.0004	0.0000	2.53E-08	0.2652	0.0038	3.19E-08
8		*	0.00	0.000	0.000	0.1380	0.0003	0.0000	2.37E-08	0.2651	0.0038	3.19E-08
9		*	0.00	0.000	0.000	0.1380	0.0003	0.0000	2.23E-08	0.2651	0.0038	3.19E-08
10	*	*	0.01	0.000	0.006	0.1380	0.0002	0.0000	2.11E-08	0.2651	0.0038	3.19E-08
11	*	*	0.04	0.000	0.009	0.1380	0.0002	0.0000	2.00E-08	0.2651	0.0038	3.19E-08
12	*	*	0.05	0.000	0.015	0.1380	0.0002	0.0000	1.91E-08	0.2651	0.0038	3.19E-08
13	*	*	0.01	0.000	0.000	0.1380	0.0002	0.0000	1.84E-08	0.2650	0.0038	3.19E-08
14		*	0.00	0.000	0.038	0.1394	0.0001	0.0000	1.77E-08	0.2650	0.0038	3.19E-08
15		*	0.00	0.000	0.000	0.1394	0.0001	0.0000	1.71E-08	0.2650	0.0038	3.19E-08
16	*	*	0.02	0.000	0.016	0.1394	0.0001	0.0000	1.66E-08	0.2650	0.0038	3.18E-08
17	*	*	0.04	0.000	0.009	0.1394	0.0001	0.0000	1.62E-08	0.2650	0.0038	3.18E-08
18	*	*	0.00	0.000	0.009	0.1394	0.0001	0.0000	1.59E-08	0.2649	0.0038	3.18E-08
19	*	*	0.00	0.000	0.009	0.1394	0.0001	0.0000	1.55E-08	0.2649	0.0038	3.18E-08
20	*	*	0.00	0.000	0.009	0.1394	0.0001	0.0000	1.53E-08	0.2649	0.0038	3.18E-08
21	*	*	0.00	0.000	0.000	0.1394	0.0000	0.0000	1.50E-08	0.2649	0.0038	3.18E-08
22	*	*	0.03	0.000	0.024	0.1394	0.0000	0.0000	1.48E-08	0.2649	0.0038	3.18E-08
23	*	*	0.07	0.000	0.000	0.1394	0.0000	0.0000	1.47E-08	0.2648	0.0038	3.18E-08
24		*	0.02	0.000	0.024	0.1422	0.0000	0.0000	1.45E-08	0.2648	0.0038	3.18E-08
25	*	*	0.07	0.000	0.016	0.1422	0.0000	0.0000	1.44E-08	0.2648	0.0038	3.18E-08
26		*	0.16	0.005	0.010	0.1505	0.0000	0.0000	1.43E-08	0.2648	0.0038	3.18E-08
27	*	*	0.00	0.000	0.000	0.1505	0.0000	0.0000	1.42E-08	0.2648	0.0038	3.18E-08
28	*	*	0.00	0.000	0.000	0.1505	0.0000	0.0000	1.41E-08	0.2647	0.0038	3.18E-08
29	*	*	0.00	0.000	0.000	0.1505	0.0000	0.0000	1.40E-08	0.2647	0.0038	3.18E-08

30		*	0.00	0.000	0.000	0.1505	0.0000	0.0000	1.40E-08	0.2647	0.0038	3.18E-08
31	*	*	0.00	0.000	0.000	0.1505	0.0000	0.0000	1.39E-08	0.2647	0.0037	3.18E-08
32	*	*	0.06	0.000	0.020	0.1505	0.0000	0.0000	1.39E-08	0.2647	0.0037	3.18E-08
33	*	*	0.00	0.000	0.009	0.1505	0.0000	0.0000	1.38E-08	0.2646	0.0037	3.18E-08
34	*	*	0.00	0.000	0.015	0.1505	0.0000	0.0000	1.38E-08	0.2646	0.0037	3.18E-08
35		*	0.00	0.000	0.014	0.1505	0.0000	0.0000	1.38E-08	0.2646	0.0037	3.18E-08
36	*	*	0.07	0.000	0.017	0.1505	0.0000	0.0000	1.38E-08	0.2646	0.0037	3.18E-08
37		*	0.00	0.000	0.037	0.1513	0.0000	0.0000	1.37E-08	0.2646	0.0037	3.18E-08
38		*	0.01	0.000	0.003	0.1514	0.0000	0.0000	1.37E-08	0.2645	0.0037	3.18E-08
39		*	0.00	0.000	0.000	0.1514	0.0000	0.0000	1.37E-08	0.2645	0.0037	3.18E-08
40		*	0.00	0.000	0.000	0.1514	0.0000	0.0000	1.37E-08	0.2645	0.0037	3.18E-08
41	*	*	0.22	0.000	0.017	0.1514	0.0000	0.0000	1.37E-08	0.2645	0.0037	3.18E-08
42		*	0.22	0.086	0.000	0.1655	0.0000	0.0000	1.37E-08	0.2645	0.0037	3.18E-08
43		*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.37E-08	0.2644	0.0037	3.18E-08
44		*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2644	0.0037	3.18E-08
45		*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2644	0.0037	3.18E-08
46	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2644	0.0037	3.18E-08
47	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2644	0.0037	3.18E-08
48	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2643	0.0037	3.18E-08
49	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2643	0.0037	3.18E-08
50	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2643	0.0037	3.18E-08
51	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2643	0.0037	3.18E-08
52	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2643	0.0037	3.18E-08
53	*	*	0.00	0.000	0.000	0.1655	0.0000	0.0000	1.36E-08	0.2642	0.0037	3.18E-08
54	*	*	0.00	0.000	0.001	0.1655	0.0000	0.0000	1.36E-08	0.2642	0.0037	3.18E-08
55	*	*	0.01	0.000	0.009	0.1655	0.0000	0.0000	1.36E-08	0.2642	0.0037	3.18E-08
56	*	*	0.03	0.000	0.021	0.1655	0.0000	0.0000	6.00E-09	0.2642	0.0037	3.18E-08
57	*	*	0.02	0.000	0.021	0.1655	0.0000	0.0000	0.00E+00	0.2642	0.0037	3.17E-08
58		*	0.02	0.000	0.024	0.1655	0.0000	0.0000	0.00E+00	0.2641	0.0037	3.17E-08
59		*	0.01	0.000	0.003	0.1657	0.0000	0.0000	0.00E+00	0.2641	0.0037	3.17E-08
60		*	0.00	0.000	0.000	0.1657	0.0000	0.0000	0.00E+00	0.2641	0.0037	3.17E-08
61	*	*	0.00	0.000	0.000	0.1657	0.0000	0.0000	0.00E+00	0.2641	0.0037	3.17E-08
62	*	*	0.00	0.000	0.000	0.1657	0.0000	0.0000	0.00E+00	0.2640	0.0037	3.17E-08
63	*	*	0.00	0.000	0.000	0.1657	0.0000	0.0000	0.00E+00	0.2640	0.0037	3.17E-08
64	*	*	0.00	0.000	0.000	0.1657	0.0000	0.0000	0.00E+00	0.2640	0.0037	3.17E-08
65	*	*	0.00	0.000	0.000	0.1657	0.0000	0.0000	0.00E+00	0.2640	0.0037	3.17E-08
66	*	*	0.21	0.000	0.003	0.1657	0.0000	0.0000	0.00E+00	0.2640	0.0037	3.17E-08

67	*	*	0.03	0.000	0.007	0.1657	0.0000	0.0000	0.00E+00	0.2639	0.0037	3.17E-08
68	*	*	0.36	0.000	0.009	0.1657	0.0000	0.0000	0.00E+00	0.2639	0.0037	3.17E-08
69	*	*	0.00	0.000	0.014	0.1657	0.0000	0.0000	0.00E+00	0.2639	0.0037	3.17E-08
70	*	*	0.00	0.000	0.006	0.1657	0.0000	0.0000	0.00E+00	0.2639	0.0037	3.17E-08
71		*	0.00	0.008	0.003	0.1731	0.0000	0.0000	0.00E+00	0.2638	0.0037	3.17E-08
72		*	0.00	0.084	0.041	0.1832	0.0000	0.0000	0.00E+00	0.2638	0.0037	3.17E-08
73		*	0.00	0.000	0.000	0.1832	0.0000	0.0000	0.00E+00	0.2638	0.0037	3.17E-08
74		*	0.00	0.000	0.000	0.1832	0.0000	0.0000	0.00E+00	0.2638	0.0037	3.17E-08
75		*	0.00	0.000	0.000	0.1832	0.0000	0.0000	0.00E+00	0.2638	0.0037	3.17E-08
76	*	*	0.00	0.000	0.000	0.1832	0.0000	0.0000	0.00E+00	0.2637	0.0037	3.17E-08
77		*	0.00	0.000	0.000	0.1832	0.0000	0.0000	0.00E+00	0.2637	0.0037	3.17E-08
78	*	*	0.08	0.000	0.044	0.1832	0.0000	0.0000	0.00E+00	0.2637	0.0037	3.17E-08
79	*	*	0.13	0.000	0.000	0.1832	0.0000	0.0000	0.00E+00	0.2637	0.0037	3.17E-08
80		*	0.10	0.041	0.050	0.1903	0.0000	0.0000	0.00E+00	0.2636	0.0037	3.17E-08
81		*	0.03	0.000	0.003	0.1914	0.0000	0.0000	0.00E+00	0.2636	0.0037	3.17E-08
82		*	0.00	0.000	0.000	0.1914	0.0000	0.0000	0.00E+00	0.2636	0.0037	3.17E-08
83		*	0.00	0.000	0.000	0.1914	0.0000	0.0000	0.00E+00	0.2636	0.0037	3.17E-08
84		*	0.00	0.000	0.000	0.1914	0.0000	0.0000	0.00E+00	0.2636	0.0037	3.17E-08
85		*	0.00	0.000	0.000	0.1914	0.0000	0.0000	0.00E+00	0.2635	0.0037	3.17E-08
86	*	*	0.00	0.000	0.000	0.1914	0.0000	0.0000	0.00E+00	0.2635	0.0037	3.17E-08
87		*	0.10	0.000	0.003	0.1954	0.0000	0.0000	0.00E+00	0.2635	0.0037	3.17E-08
88		*	0.17	0.015	0.003	0.2018	0.0000	0.0000	0.00E+00	0.2635	0.0037	3.17E-08
89		*	0.00	0.000	0.000	0.2018	0.0000	0.0000	0.00E+00	0.2634	0.0037	3.17E-08
90		*	0.05	0.000	0.003	0.2037	0.0000	0.0000	0.00E+00	0.2634	0.0037	3.17E-08
91		*	0.16	0.016	0.003	0.2096	0.0000	0.0000	0.00E+00	0.2634	0.0037	3.17E-08
92	*	*	0.00	0.000	0.000	0.2096	0.0000	0.0000	0.00E+00	0.2634	0.0037	3.17E-08
93	*	*	0.00	0.000	0.000	0.2096	0.0000	0.0000	0.00E+00	0.2633	0.0037	3.17E-08
94	*	*	0.48	0.000	0.022	0.2096	0.0000	0.0000	0.00E+00	0.2633	0.0037	3.16E-08
95	*	*	0.08	0.000	0.023	0.2096	0.0000	0.0000	0.00E+00	0.2633	0.0037	3.16E-08
96	*	*	0.00	0.000	0.007	0.2096	0.0000	0.0000	0.00E+00	0.2633	0.0037	3.16E-08
97		*	0.43	0.361	0.000	0.2217	0.0000	0.0000	0.00E+00	0.2632	0.0037	3.16E-08
98		*	0.03	0.111	0.105	0.2259	0.0000	0.0000	0.00E+00	0.2632	0.0037	3.16E-08
99		*	0.00	0.000	0.000	0.2259	0.0000	0.0000	0.00E+00	0.2632	0.0037	3.16E-08
100		*	0.00	0.000	0.000	0.2259	0.0000	0.0000	0.00E+00	0.2632	0.0037	3.16E-08
101		*	0.00	0.000	0.000	0.2259	0.0000	0.0000	0.00E+00	0.2632	0.0037	3.16E-08
102		*	0.00	0.000	0.000	0.2259	0.0000	0.0000	0.00E+00	0.2631	0.0037	3.16E-08
103	*	*	0.11	0.000	0.031	0.2259	0.0000	0.0000	0.00E+00	0.2631	0.0037	3.16E-08

104		*	0.25	0.126	0.053	0.2321	0.0000	0.0000	0.00E+00	0.2631	0.0037	3.16E-08
105			0.41	0.000	0.114	0.2359	3.7993	0.2071	1.25E-04	0.2632	0.0037	3.16E-08
106			0.05	0.000	0.242	0.2130	6.5308	0.3560	2.15E-04	0.2636	0.0037	3.17E-08
107			0.17	0.000	0.083	0.2037	5.7885	0.3155	1.89E-04	0.2640	0.0037	3.17E-08
108	*		0.00	0.000	0.000	0.1927	4.8261	0.2631	1.57E-04	0.2644	0.0037	3.18E-08
109	*		0.00	0.000	0.115	0.1796	3.6670	0.1999	1.18E-04	0.2646	0.0037	3.18E-08
110			0.32	0.000	0.162	0.1785	3.3022	0.1800	1.06E-04	0.2648	0.0038	3.18E-08
111	*		0.00	0.000	0.000	0.1718	2.9709	0.1619	9.51E-05	0.2648	0.0038	3.18E-08
112	*		0.00	0.000	0.101	0.1617	2.6357	0.1437	8.41E-05	0.2649	0.0038	3.18E-08
113			0.00	0.000	0.134	0.1509	2.3120	0.1260	7.36E-05	0.2649	0.0038	3.18E-08
114			0.10	0.000	0.178	0.1430	2.0485	0.1117	6.50E-05	0.2649	0.0038	3.18E-08
115			0.07	0.000	0.079	0.1384	1.8213	0.0993	5.77E-05	0.2648	0.0038	3.18E-08
116	*		0.19	0.000	0.034	0.1355	1.6275	0.0887	5.15E-05	0.2647	0.0038	3.18E-08
117	*		0.00	0.000	0.035	0.1330	1.4397	0.0785	4.55E-05	0.2647	0.0037	3.18E-08
118			0.75	0.000	0.000	0.1650	1.2563	0.0685	3.96E-05	0.2646	0.0037	3.18E-08
119			0.00	0.000	0.172	0.1554	1.1020	0.0601	3.47E-05	0.2644	0.0037	3.18E-08
120			0.10	0.000	0.115	0.1526	0.9663	0.0527	3.04E-05	0.2643	0.0037	3.18E-08
121			0.26	0.000	0.152	0.1547	1.0248	0.0559	3.22E-05	0.2642	0.0037	3.18E-08
122			0.00	0.000	0.126	0.1470	1.0955	0.0597	3.45E-05	0.2641	0.0037	3.17E-08
123			0.85	0.000	0.133	0.1745	1.1186	0.0610	3.52E-05	0.2639	0.0037	3.17E-08
124			0.24	0.000	0.113	0.1771	1.1300	0.0616	3.56E-05	0.2638	0.0037	3.17E-08
125			0.55	0.000	0.148	0.1907	1.3838	0.0754	4.37E-05	0.2637	0.0037	3.17E-08
126	*		0.00	0.000	0.000	0.1868	1.7351	0.0946	5.50E-05	0.2636	0.0037	3.17E-08
127	*		0.01	0.000	0.005	0.1816	2.2630	0.1234	7.20E-05	0.2636	0.0037	3.17E-08
128			0.00	0.000	0.190	0.1683	2.4108	0.1314	7.68E-05	0.2636	0.0037	3.17E-08
129			0.45	0.000	0.237	0.1716	2.3705	0.1292	7.55E-05	0.2636	0.0037	3.17E-08
130			0.00	0.000	0.272	0.1551	2.2549	0.1229	7.17E-05	0.2636	0.0037	3.17E-08
131			0.07	0.000	0.135	0.1478	2.0339	0.1109	6.46E-05	0.2635	0.0037	3.17E-08
132			0.40	0.000	0.181	0.1529	1.8630	0.1016	5.91E-05	0.2635	0.0037	3.17E-08
133	*		0.65	0.000	0.037	0.1497	1.7326	0.0944	5.49E-05	0.2634	0.0037	3.17E-08
134	*		0.36	0.000	0.036	0.1470	1.5774	0.0860	4.99E-05	0.2633	0.0037	3.16E-08
135	*		0.00	0.000	0.025	0.1446	1.4047	0.0766	4.43E-05	0.2632	0.0037	3.16E-08
136	*		0.05	0.000	0.000	0.1426	1.2455	0.0679	3.93E-05	0.2631	0.0037	3.16E-08
137	*		0.00	0.000	0.042	0.1409	1.1145	0.0608	3.51E-05	0.2630	0.0037	3.16E-08
138	*		0.04	0.000	0.033	0.1394	1.0023	0.0546	3.15E-05	0.2628	0.0037	3.16E-08
139	*		0.00	0.000	0.043	0.1382	0.9083	0.0495	2.85E-05	0.2627	0.0037	3.16E-08
140			0.00	0.000	0.033	0.1662	0.8135	0.0443	2.55E-05	0.2626	0.0037	3.16E-08

141	0.00	0.000	0.095	0.1606	0.7567	0.0412	2.37E-05	0.2624	0.0037	3.15E-08
142	0.00	0.000	0.095	0.1545	0.9246	0.0504	2.91E-05	0.2623	0.0037	3.15E-08
143	0.00	0.000	0.157	0.1453	1.1796	0.0643	3.72E-05	0.2622	0.0037	3.15E-08
144	0.00	0.000	0.178	0.1350	1.2715	0.0693	4.01E-05	0.2621	0.0037	3.15E-08
145	0.00	0.000	0.204	0.1236	1.2657	0.0690	3.99E-05	0.2620	0.0037	3.15E-08
146	0.42	0.000	0.133	0.1326	1.1885	0.0648	3.74E-05	0.2619	0.0037	3.15E-08
147	0.00	0.000	0.178	0.1227	1.1020	0.0601	3.47E-05	0.2618	0.0037	3.15E-08
148	0.00	0.000	0.055	0.1181	1.0089	0.0550	3.17E-05	0.2617	0.0037	3.15E-08
149	0.00	0.000	0.043	0.1141	0.9605	0.0524	3.02E-05	0.2616	0.0037	3.14E-08
150	0.00	0.000	0.038	0.1105	0.9149	0.0499	2.87E-05	0.2615	0.0037	3.14E-08
151	0.08	0.000	0.036	0.1104	0.8607	0.0469	2.70E-05	0.2614	0.0037	3.14E-08
152	0.00	0.000	0.031	0.1073	0.8017	0.0437	2.52E-05	0.2613	0.0037	3.14E-08
153	0.11	0.000	0.029	0.1089	0.7405	0.0404	2.32E-05	0.2612	0.0037	3.14E-08
154	0.00	0.000	0.029	0.1063	0.6816	0.0372	2.14E-05	0.2611	0.0037	3.14E-08
155	0.07	0.000	0.027	0.1064	0.6289	0.0343	1.97E-05	0.2610	0.0037	3.14E-08
156	0.00	0.000	0.025	0.1041	0.5795	0.0316	1.81E-05	0.2609	0.0037	3.14E-08
157	0.00	0.000	0.023	0.1019	0.5264	0.0287	1.65E-05	0.2608	0.0037	3.13E-08
158	0.00	0.000	0.024	0.0998	0.4826	0.0263	1.51E-05	0.2606	0.0037	3.13E-08
159	0.00	0.000	0.026	0.0978	0.4437	0.0242	1.39E-05	0.2605	0.0037	3.13E-08
160	0.00	0.000	0.023	0.0959	0.4060	0.0221	1.27E-05	0.2604	0.0037	3.13E-08
161	0.00	0.000	0.021	0.0942	0.3698	0.0202	1.16E-05	0.2603	0.0037	3.13E-08
162	0.00	0.000	0.023	0.0925	0.3366	0.0184	1.05E-05	0.2602	0.0037	3.13E-08
163	0.01	0.000	0.022	0.0911	0.3064	0.0167	9.57E-06	0.2601	0.0037	3.13E-08
164	0.00	0.000	0.023	0.0895	0.2792	0.0152	8.71E-06	0.2600	0.0037	3.13E-08
165	0.32	0.000	0.028	0.1012	0.2551	0.0139	7.96E-06	0.2599	0.0037	3.12E-08
166	0.04	0.000	0.147	0.0962	0.2382	0.0130	7.43E-06	0.2599	0.0037	3.12E-08
167	0.04	0.000	0.026	0.0965	0.2150	0.0117	6.71E-06	0.2598	0.0037	3.12E-08
168	0.06	0.000	0.030	0.0973	0.1896	0.0103	5.91E-06	0.2597	0.0037	3.12E-08
169	0.19	0.000	0.163	0.0980	0.1671	0.0091	5.21E-06	0.2596	0.0037	3.12E-08
170	0.03	0.000	0.138	0.0933	0.1458	0.0079	4.54E-06	0.2595	0.0037	3.12E-08
171	0.11	0.000	0.141	0.0915	0.1339	0.0073	4.17E-06	0.2594	0.0037	3.12E-08
172	0.00	0.000	0.062	0.0886	0.1301	0.0071	4.05E-06	0.2594	0.0037	3.12E-08
173	0.00	0.000	0.050	0.0862	0.1320	0.0072	4.11E-06	0.2593	0.0037	3.12E-08
174	0.00	0.000	0.044	0.0841	0.1322	0.0072	4.12E-06	0.2592	0.0037	3.12E-08
175	0.00	0.000	0.048	0.0818	0.1301	0.0071	4.05E-06	0.2592	0.0037	3.11E-08
176	0.00	0.000	0.038	0.0799	0.1265	0.0069	3.94E-06	0.2591	0.0037	3.11E-08
177	0.00	0.000	0.041	0.0779	0.1226	0.0067	3.82E-06	0.2591	0.0037	3.11E-08

178	0.00	0.000	0.048	0.0757	0.1168	0.0064	3.64E-06	0.2590	0.0037	3.11E-08
179	0.00	0.000	0.050	0.0733	0.1099	0.0060	3.43E-06	0.2590	0.0037	3.11E-08
180	0.00	0.000	0.050	0.0710	0.1030	0.0056	3.21E-06	0.2589	0.0037	3.11E-08
181	0.26	0.000	0.037	0.0803	0.0974	0.0053	3.03E-06	0.2589	0.0037	3.11E-08
182	0.01	0.000	0.037	0.0791	0.0935	0.0051	2.91E-06	0.2588	0.0037	3.11E-08
183	0.26	0.000	0.034	0.0881	0.0898	0.0049	2.80E-06	0.2588	0.0037	3.11E-08
184	0.00	0.000	0.345	0.0735	0.0932	0.0051	2.90E-06	0.2587	0.0037	3.11E-08
185	1.12	0.000	0.057	0.1177	0.1004	0.0055	3.13E-06	0.2587	0.0037	3.11E-08
186	0.09	0.000	0.352	0.1067	0.1013	0.0055	3.16E-06	0.2587	0.0037	3.11E-08
187	0.15	0.000	0.145	0.1066	0.1048	0.0057	3.27E-06	0.2586	0.0037	3.11E-08
188	0.00	0.000	0.341	0.0921	0.1043	0.0057	3.25E-06	0.2586	0.0037	3.11E-08
189	0.00	0.000	0.170	0.0848	0.1055	0.0057	3.29E-06	0.2586	0.0037	3.11E-08
190	0.00	0.000	0.076	0.0814	0.0992	0.0054	3.09E-06	0.2586	0.0037	3.11E-08
191	0.09	0.000	0.061	0.0826	0.0903	0.0049	2.81E-06	0.2585	0.0037	3.11E-08
192	0.00	0.000	0.053	0.0802	0.0818	0.0045	2.55E-06	0.2585	0.0037	3.11E-08
193	0.00	0.000	0.047	0.0781	0.0741	0.0040	2.31E-06	0.2585	0.0037	3.11E-08
194	0.00	0.000	0.066	0.0752	0.0647	0.0035	2.01E-06	0.2585	0.0037	3.11E-08
195	0.00	0.000	0.065	0.0723	0.0548	0.0030	1.71E-06	0.2584	0.0037	3.11E-08
196	0.00	0.000	0.081	0.0688	0.0505	0.0028	1.57E-06	0.2584	0.0037	3.11E-08
197	0.00	0.000	0.051	0.0666	0.0457	0.0025	1.42E-06	0.2584	0.0037	3.11E-08
198	0.02	0.000	0.094	0.0634	0.0425	0.0023	1.32E-06	0.2584	0.0037	3.11E-08
199	0.00	0.000	0.064	0.0607	0.0408	0.0022	1.27E-06	0.2584	0.0037	3.10E-08
200	0.35	0.000	0.095	0.0713	0.0319	0.0017	9.95E-07	0.2584	0.0037	3.10E-08
201	0.00	0.000	0.089	0.0676	0.0237	0.0013	7.44E-07	0.2583	0.0037	3.10E-08
202	0.00	0.000	0.097	0.0635	0.0204	0.0011	6.41E-07	0.2583	0.0037	3.10E-08
203	0.00	0.000	0.107	0.0590	0.0106	0.0006	3.39E-07	0.2583	0.0037	3.10E-08
204	0.00	0.000	0.114	0.0543	0.0019	0.0001	6.25E-08	0.2583	0.0037	3.10E-08
205	0.00	0.000	0.103	0.0500	0.0000	0.0000	0.00E+00	0.2583	0.0037	3.10E-08
206	1.25	0.000	0.082	0.0987	0.0000	0.0000	0.00E+00	0.2583	0.0037	3.10E-08
207	0.37	0.000	0.292	0.1018	0.0005	0.0000	1.80E-08	0.2583	0.0037	3.10E-08
208	0.00	0.000	0.299	0.0893	0.0155	0.0008	4.92E-07	0.2582	0.0037	3.10E-08
209	0.00	0.000	0.293	0.0770	0.0524	0.0029	1.63E-06	0.2582	0.0037	3.10E-08
210	0.00	0.000	0.253	0.0663	0.0818	0.0045	2.55E-06	0.2582	0.0037	3.10E-08
211	0.00	0.000	0.276	0.0546	0.0677	0.0037	2.11E-06	0.2582	0.0037	3.10E-08
212	0.00	0.000	0.135	0.0489	0.0481	0.0026	1.50E-06	0.2582	0.0037	3.10E-08
213	0.01	0.000	0.205	0.0410	0.0123	0.0005	3.06E-07	0.2582	0.0037	3.10E-08
214	0.00	0.000	0.145	0.0349	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08

215	0.00	0.000	0.032	0.0336	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
216	0.30	0.000	0.058	0.0436	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
217	0.12	0.000	0.056	0.0465	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
218	0.59	0.000	0.082	0.0678	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
219	0.06	0.000	0.244	0.0603	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
220	0.67	0.000	0.197	0.0800	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
221	0.00	0.000	0.184	0.0724	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
222	0.07	0.000	0.263	0.0644	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
223	0.00	0.000	0.241	0.0543	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
224	0.01	0.000	0.251	0.0442	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
225	0.54	0.000	0.232	0.0571	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
226	0.00	0.000	0.273	0.0457	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
227	0.00	0.000	0.222	0.0365	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
228	0.07	0.000	0.124	0.0344	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
229	0.00	0.000	0.028	0.0332	0.0000	0.0000	0.00E+00	0.2582	0.0037	3.10E-08
230	1.16	0.000	0.113	0.0769	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
231	0.05	0.000	0.083	0.0753	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
232	0.00	0.000	0.098	0.0713	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
233	0.45	0.000	0.249	0.0798	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
234	0.10	0.000	0.250	0.0734	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
235	0.06	0.000	0.275	0.0647	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
236	0.00	0.000	0.171	0.0576	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
237	0.00	0.000	0.118	0.0526	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
238	0.00	0.000	0.183	0.0450	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
239	0.23	0.000	0.196	0.0465	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
240	0.00	0.000	0.129	0.0411	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
241	0.00	0.000	0.113	0.0364	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
242	0.06	0.000	0.066	0.0363	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
243	1.17	0.000	0.092	0.0812	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
244	0.02	0.000	0.059	0.0797	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
245	0.64	0.000	0.123	0.1012	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
246	0.05	0.000	0.068	0.1005	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
247	0.18	0.000	0.079	0.1047	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
248	0.00	0.000	0.108	0.1002	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
249	0.00	0.000	0.114	0.0954	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
250	0.30	0.000	0.112	0.1032	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
251	0.00	0.000	0.269	0.0919	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08

252		0.00	0.000	0.165	0.0851	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
253		0.11	0.000	0.110	0.0852	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
254		0.44	0.000	0.165	0.0965	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
255		0.01	0.000	0.062	0.0942	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
256		0.35	0.000	0.160	0.1022	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
257		0.00	0.000	0.124	0.0971	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
258		0.00	0.000	0.117	0.0922	0.0000	0.0000	0.00E+00	0.2581	0.0037	3.10E-08
259		0.00	0.000	0.159	0.0855	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
260		0.00	0.000	0.163	0.0788	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
261		0.00	0.000	0.168	0.0717	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
262		0.03	0.000	0.069	0.0702	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
263		0.00	0.000	0.061	0.0677	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
264		0.00	0.000	0.046	0.0657	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
265		0.00	0.000	0.037	0.0642	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
266		0.00	0.000	0.033	0.0628	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
267		0.00	0.000	0.031	0.0615	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
268		0.00	0.000	0.029	0.0603	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
269		0.27	0.000	0.050	0.0693	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
270		0.01	0.000	0.033	0.0685	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
271		0.67	0.000	0.046	0.0947	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
272		0.06	0.000	0.072	0.0942	0.0000	0.0000	0.00E+00	0.2580	0.0037	3.10E-08
273		0.00	0.000	0.081	0.0908	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
274		0.17	0.000	0.106	0.0933	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
275		0.10	0.000	0.116	0.0926	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
276		0.09	0.000	0.097	0.0924	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
277		0.00	0.000	0.067	0.0896	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
278		0.00	0.000	0.055	0.0873	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
279	*	0.33	0.000	0.024	0.0881	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
280		0.29	0.000	0.038	0.1103	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
281		0.00	0.000	0.077	0.1073	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
282		0.00	0.000	0.034	0.1059	0.0000	0.0000	0.00E+00	0.2579	0.0037	3.10E-08
283		0.14	0.000	0.040	0.1099	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08
284		0.01	0.000	0.065	0.1078	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08
285		0.00	0.000	0.064	0.1053	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08
286		0.00	0.000	0.054	0.1031	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08
287		0.00	0.000	0.028	0.1019	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08
288	*	0.00	0.000	0.033	0.1005	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08

289			0.00	0.000	0.076	0.0973	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08
290	*		0.00	0.000	0.000	0.0973	0.0000	0.0000	0.00E+00	0.2578	0.0037	3.10E-08
291	*		0.01	0.000	0.013	0.0973	0.0073	0.0004	2.34E-07	0.2578	0.0037	3.10E-08
292	*		0.16	0.000	0.044	0.0980	0.0314	0.0017	9.81E-07	0.2577	0.0037	3.10E-08
293			0.03	0.000	0.104	0.0992	0.0558	0.0030	1.74E-06	0.2577	0.0037	3.10E-08
294	*		0.33	0.000	0.024	0.0999	0.0799	0.0044	2.49E-06	0.2577	0.0037	3.10E-08
295			0.05	0.000	0.008	0.1133	0.1024	0.0056	3.19E-06	0.2577	0.0037	3.10E-08
296			0.00	0.000	0.061	0.1105	0.1168	0.0064	3.64E-06	0.2577	0.0037	3.10E-08
297	*		0.00	0.000	0.000	0.1102	0.1372	0.0075	4.28E-06	0.2577	0.0037	3.10E-08
298	*		0.00	0.000	0.000	0.1098	0.1699	0.0093	5.30E-06	0.2577	0.0037	3.10E-08
299	*		0.00	0.000	0.000	0.1094	0.1830	0.0100	5.71E-06	0.2577	0.0037	3.10E-08
300	*		0.13	0.000	0.003	0.1098	0.1858	0.0101	5.80E-06	0.2577	0.0037	3.10E-08
301	*		0.15	0.000	0.001	0.1102	0.1717	0.0094	5.35E-06	0.2577	0.0037	3.10E-08
302	*		0.00	0.000	0.008	0.1107	0.1522	0.0083	4.75E-06	0.2577	0.0037	3.10E-08
303	*		0.00	0.000	0.005	0.1112	0.1311	0.0071	4.09E-06	0.2577	0.0037	3.10E-08
304	*	*	0.00	0.000	0.018	0.1109	0.1144	0.0062	3.56E-06	0.2577	0.0037	3.10E-08
305	*	*	0.06	0.000	0.015	0.1107	0.0985	0.0054	3.07E-06	0.2576	0.0037	3.10E-08
306	*	*	0.00	0.000	0.013	0.1105	0.0848	0.0046	2.64E-06	0.2576	0.0036	3.10E-08
307	*	*	0.00	0.000	0.006	0.1104	0.0731	0.0040	2.28E-06	0.2576	0.0036	3.10E-08
308	*	*	0.00	0.000	0.002	0.1102	0.0629	0.0034	1.96E-06	0.2576	0.0036	3.10E-08
309	*	*	0.07	0.000	0.001	0.1101	0.0542	0.0030	1.69E-06	0.2576	0.0036	3.10E-08
310	*	*	0.90	0.000	0.000	0.1100	0.0467	0.0025	1.45E-06	0.2576	0.0036	3.10E-08
311	*	*	0.00	0.000	0.004	0.1099	0.0402	0.0022	1.25E-06	0.2575	0.0036	3.09E-08
312	*	*	0.00	0.000	0.001	0.1098	0.0346	0.0019	1.08E-06	0.2575	0.0036	3.09E-08
313	*	*	0.00	0.000	0.000	0.1098	0.0298	0.0016	9.31E-07	0.2575	0.0036	3.09E-08
314	*	*	0.00	0.000	0.003	0.1097	0.0257	0.0014	8.04E-07	0.2575	0.0036	3.09E-08
315	*	*	0.00	0.000	0.024	0.1096	0.0221	0.0012	6.94E-07	0.2574	0.0036	3.09E-08
316	*	*	0.00	0.000	0.008	0.1096	0.0190	0.0010	6.00E-07	0.2574	0.0036	3.09E-08
317	*	*	0.00	0.000	0.016	0.1096	0.0164	0.0009	5.18E-07	0.2574	0.0036	3.09E-08
318	*	*	0.00	0.000	0.015	0.1095	0.0141	0.0008	4.48E-07	0.2574	0.0036	3.09E-08
319		*	0.00	0.401	0.000	0.1379	0.0122	0.0007	3.88E-07	0.2574	0.0036	3.09E-08
320	*	*	0.00	0.000	0.000	0.1378	0.0105	0.0006	3.36E-07	0.2573	0.0036	3.09E-08
321		*	0.00	0.000	0.000	0.1378	0.0090	0.0005	2.91E-07	0.2573	0.0036	3.09E-08
322	*	*	0.00	0.000	0.000	0.1378	0.0078	0.0004	2.53E-07	0.2573	0.0036	3.09E-08
323	*	*	0.00	0.000	0.000	0.1378	0.0067	0.0004	2.20E-07	0.2573	0.0036	3.09E-08
324	*	*	0.00	0.000	0.000	0.1378	0.0058	0.0003	1.91E-07	0.2572	0.0036	3.09E-08
325	*	*	0.00	0.000	0.000	0.1378	0.0050	0.0003	1.66E-07	0.2572	0.0036	3.09E-08

326	*	*	0.00	0.000	0.000	0.1378	0.0043	0.0002	1.45E-07	0.2572	0.0036	3.09E-08
327		*	0.00	0.000	0.000	0.1377	0.0037	0.0002	1.27E-07	0.2572	0.0036	3.09E-08
328	*	*	0.00	0.000	0.000	0.1377	0.0032	0.0002	1.11E-07	0.2572	0.0036	3.09E-08
329		*	0.00	0.000	0.000	0.1377	0.0027	0.0001	9.77E-08	0.2571	0.0036	3.09E-08
330		*	0.63	0.180	0.008	0.1560	0.0024	0.0001	8.63E-08	0.2571	0.0036	3.09E-08
331		*	0.00	0.000	0.003	0.1560	0.0020	0.0001	7.58E-08	0.2571	0.0036	3.09E-08
332	*	*	0.02	0.000	0.008	0.1560	0.0017	0.0001	6.73E-08	0.2571	0.0036	3.09E-08
333	*	*	0.00	0.000	0.008	0.1560	0.0015	0.0001	5.98E-08	0.2570	0.0036	3.09E-08
334	*	*	0.00	0.000	0.003	0.1560	0.0013	0.0001	5.34E-08	0.2570	0.0036	3.09E-08
335	*	*	0.00	0.000	0.005	0.1560	0.0011	0.0001	4.79E-08	0.2570	0.0036	3.09E-08
336	*	*	0.01	0.000	0.003	0.1560	0.0010	0.0001	4.31E-08	0.2570	0.0036	3.09E-08
337	*	*	0.06	0.000	0.008	0.1560	0.0008	0.0000	3.90E-08	0.2570	0.0036	3.09E-08
338		*	0.02	0.000	0.021	0.1587	0.0007	0.0000	3.55E-08	0.2569	0.0036	3.09E-08
339		*	0.07	0.000	0.007	0.1611	0.0006	0.0000	3.25E-08	0.2569	0.0036	3.09E-08
340		*	0.17	0.005	0.007	0.1678	0.0005	0.0000	2.98E-08	0.2569	0.0036	3.09E-08
341	*	*	0.00	0.000	0.000	0.1678	0.0005	0.0000	2.76E-08	0.2569	0.0036	3.09E-08
342	*	*	0.00	0.000	0.000	0.1678	0.0004	0.0000	2.57E-08	0.2569	0.0036	3.09E-08
343	*	*	0.00	0.000	0.000	0.1678	0.0003	0.0000	2.40E-08	0.2568	0.0036	3.09E-08
344	*	*	0.00	0.000	0.003	0.1678	0.0003	0.0000	2.25E-08	0.2568	0.0036	3.09E-08
345	*	*	0.10	0.000	0.004	0.1678	0.0003	0.0000	2.13E-08	0.2568	0.0036	3.09E-08
346	*	*	0.00	0.000	0.004	0.1678	0.0002	0.0000	2.02E-08	0.2568	0.0036	3.09E-08
347	*	*	0.00	0.000	0.002	0.1678	0.0002	0.0000	1.93E-08	0.2567	0.0036	3.09E-08
348	*	*	0.00	0.000	0.005	0.1678	0.0002	0.0000	1.85E-08	0.2567	0.0036	3.09E-08
349	*	*	0.00	0.000	0.006	0.1678	0.0001	0.0000	1.78E-08	0.2567	0.0036	3.08E-08
350	*	*	0.00	0.000	0.012	0.1678	0.0001	0.0000	1.72E-08	0.2567	0.0036	3.08E-08
351	*	*	0.00	0.000	0.011	0.1678	0.0001	0.0000	1.67E-08	0.2567	0.0036	3.08E-08
352	*	*	0.00	0.000	0.016	0.1678	0.0001	0.0000	1.63E-08	0.2566	0.0036	3.08E-08
353	*	*	0.00	0.000	0.020	0.1678	0.0001	0.0000	1.59E-08	0.2566	0.0036	3.08E-08
354	*	*	0.00	0.000	0.017	0.1678	0.0001	0.0000	1.56E-08	0.2566	0.0036	3.08E-08
355	*	*	0.00	0.000	0.003	0.1678	0.0001	0.0000	1.53E-08	0.2566	0.0036	3.08E-08
356	*	*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.51E-08	0.2566	0.0036	3.08E-08
357	*	*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.49E-08	0.2565	0.0036	3.08E-08
358	*	*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.47E-08	0.2565	0.0036	3.08E-08
359	*	*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.45E-08	0.2565	0.0036	3.08E-08
360	*	*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.44E-08	0.2565	0.0036	3.08E-08
361	*	*	0.01	0.000	0.010	0.1678	0.0000	0.0000	1.43E-08	0.2564	0.0036	3.08E-08
362	*	*	0.06	0.000	0.009	0.1678	0.0000	0.0000	1.42E-08	0.2564	0.0036	3.08E-08

363	*	*	0.02	0.000	0.000	0.1678	0.0000	0.0000	1.41E-08	0.2564	0.0036	3.08E-08
364	*	*	0.00	0.000	0.023	0.1678	0.0000	0.0000	1.40E-08	0.2564	0.0036	3.08E-08
365		*	0.00	0.000	0.040	0.1678	0.0000	0.0000	1.40E-08	0.2564	0.0036	3.08E-08

* = Frozen (air or soil)

Annual Totals for Year 18			
	inches	cubic feet	percent
Precipitation	28.72	876,830.2	100.00
Runoff	1.439	43,942.8	5.01
Evapotranspiration	20.927	638,879.7	72.86
Drainage Collected from Layer 2	5.5218	168,570.6	19.22
Percolation/Leakage through Layer 3	0.003229	98.6	0.01
Average Head on Top of Layer 3	0.2775	---	---
Drainage Collected from Layer 5	1.3471	41,123.4	4.69
Percolation/Leakage through Layer 7	0.000011	0.3489	0.00
Average Head on Top of Layer 6	0.2605	---	---
Change in Water Storage	-0.5138	-15,686.6	-1.79
Soil Water at Start of Year	298.7112	9,119,146.0	1040.01
Soil Water at End of Year	298.1974	9,103,459.3	1038.22
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 19

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1		*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.39E-08	0.2563	0.0036	3.08E-08
2		*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.39E-08	0.2563	0.0036	3.08E-08
3	*	*	0.00	0.000	0.000	0.1678	0.0000	0.0000	1.38E-08	0.2563	0.0036	3.08E-08
4	*	*	0.11	0.000	0.024	0.1678	0.0000	0.0000	1.38E-08	0.2563	0.0036	3.08E-08
5		*	0.35	0.123	0.000	0.1809	0.0000	0.0000	1.38E-08	0.2563	0.0036	3.08E-08
6	*	*	0.06	0.000	0.018	0.1809	0.0000	0.0000	1.38E-08	0.2562	0.0036	3.08E-08
7	*	*	0.00	0.000	0.024	0.1809	0.0000	0.0000	1.37E-08	0.2562	0.0036	3.08E-08
8	*	*	0.00	0.000	0.021	0.1809	0.0000	0.0000	1.37E-08	0.2562	0.0036	3.08E-08
9	*	*	0.00	0.000	0.001	0.1809	0.0000	0.0000	1.37E-08	0.2562	0.0036	3.08E-08
10	*	*	0.00	0.000	0.000	0.1809	0.0000	0.0000	1.37E-08	0.2561	0.0036	3.08E-08
11	*	*	0.14	0.000	0.008	0.1809	0.0000	0.0000	1.37E-08	0.2561	0.0036	3.08E-08
12	*	*	0.00	0.000	0.013	0.1809	0.0000	0.0000	1.37E-08	0.2561	0.0036	3.08E-08
13	*	*	0.01	0.000	0.000	0.1809	0.0000	0.0000	1.37E-08	0.2561	0.0036	3.08E-08
14	*	*	0.16	0.000	0.009	0.1809	0.0000	0.0000	1.36E-08	0.2561	0.0036	3.08E-08
15	*	*	0.03	0.000	0.000	0.1809	0.0000	0.0000	1.36E-08	0.2560	0.0036	3.08E-08
16		*	0.02	0.009	0.000	0.1874	0.0000	0.0000	1.36E-08	0.2560	0.0036	3.08E-08
17	*	*	0.00	0.000	0.025	0.1874	0.0000	0.0000	1.36E-08	0.2560	0.0036	3.08E-08
18		*	0.00	0.008	0.023	0.1924	0.0000	0.0000	1.36E-08	0.2560	0.0036	3.08E-08
19		*	0.05	0.000	0.006	0.1942	0.0000	0.0000	1.36E-08	0.2560	0.0036	3.08E-08
20		*	0.00	0.000	0.000	0.1942	0.0000	0.0000	1.36E-08	0.2559	0.0036	3.08E-08
21		*	0.00	0.000	0.000	0.1942	0.0000	0.0000	1.36E-08	0.2559	0.0036	3.08E-08
22		*	0.00	0.000	0.000	0.1942	0.0000	0.0000	1.36E-08	0.2559	0.0036	3.08E-08
23	*	*	0.00	0.000	0.000	0.1942	0.0000	0.0000	1.36E-08	0.2559	0.0036	3.07E-08
24	*	*	0.00	0.000	0.000	0.1942	0.0000	0.0000	1.36E-08	0.2558	0.0036	3.07E-08
25	*	*	0.00	0.000	0.000	0.1942	0.0000	0.0000	1.36E-08	0.2558	0.0036	3.07E-08
26	*	*	0.00	0.000	0.000	0.1942	0.0000	0.0000	8.70E-09	0.2558	0.0036	3.07E-08
27	*	*	0.00	0.000	0.000	0.1942	0.0000	0.0000	0.00E+00	0.2558	0.0036	3.07E-08
28	*	*	0.00	0.000	0.000	0.1942	0.0000	0.0000	0.00E+00	0.2558	0.0036	3.07E-08
29		*	0.00	0.000	0.000	0.1942	0.0000	0.0000	0.00E+00	0.2557	0.0036	3.07E-08

30		*	0.00	0.000	0.000	0.1942	0.0000	0.0000	0.00E+00	0.2557	0.0036	3.07E-08
31		*	0.01	0.000	0.004	0.1943	0.0000	0.0000	0.00E+00	0.2557	0.0036	3.07E-08
32		*	0.00	0.000	0.000	0.1943	0.0000	0.0000	0.00E+00	0.2557	0.0036	3.07E-08
33	*	*	0.05	0.000	0.030	0.1943	0.0000	0.0000	0.00E+00	0.2556	0.0036	3.07E-08
34	*	*	0.00	0.000	0.019	0.1943	0.0000	0.0000	0.00E+00	0.2556	0.0036	3.07E-08
35	*	*	0.07	0.000	0.016	0.1943	0.0000	0.0000	0.00E+00	0.2556	0.0036	3.07E-08
36		*	0.00	0.000	0.031	0.1955	0.0000	0.0000	0.00E+00	0.2556	0.0036	3.07E-08
37	*	*	0.00	0.000	0.000	0.1955	0.0000	0.0000	0.00E+00	0.2556	0.0036	3.07E-08
38	*	*	0.00	0.000	0.000	0.1955	0.0000	0.0000	0.00E+00	0.2555	0.0036	3.07E-08
39	*	*	0.00	0.000	0.000	0.1955	0.0000	0.0000	0.00E+00	0.2555	0.0036	3.07E-08
40	*	*	0.00	0.000	0.000	0.1955	0.0000	0.0000	0.00E+00	0.2555	0.0036	3.07E-08
41		*	0.00	0.000	0.000	0.1955	0.0000	0.0000	0.00E+00	0.2555	0.0036	3.07E-08
42		*	0.02	0.000	0.005	0.1960	0.0000	0.0000	0.00E+00	0.2554	0.0036	3.07E-08
43	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2554	0.0036	3.07E-08
44	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2554	0.0036	3.07E-08
45	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2554	0.0036	3.07E-08
46		*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2554	0.0036	3.07E-08
47	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2553	0.0036	3.07E-08
48	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2553	0.0036	3.07E-08
49	*	*	0.11	0.000	0.043	0.1960	0.0000	0.0000	0.00E+00	0.2553	0.0036	3.07E-08
50		*	0.00	0.000	0.044	0.1960	0.0000	0.0000	0.00E+00	0.2553	0.0036	3.07E-08
51		*	0.00	0.000	0.021	0.1960	0.0000	0.0000	0.00E+00	0.2552	0.0036	3.07E-08
52		*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2552	0.0036	3.07E-08
53		*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2552	0.0036	3.07E-08
54	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2552	0.0036	3.07E-08
55	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2551	0.0036	3.07E-08
56	*	*	0.00	0.000	0.000	0.1960	0.0000	0.0000	0.00E+00	0.2551	0.0036	3.07E-08
57	*	*	0.18	0.000	0.028	0.1960	0.0000	0.0000	0.00E+00	0.2551	0.0036	3.07E-08
58	*	*	0.00	0.000	0.032	0.1960	0.0000	0.0000	0.00E+00	0.2551	0.0036	3.07E-08
59	*	*	0.00	0.000	0.033	0.1960	0.0000	0.0000	0.00E+00	0.2551	0.0036	3.06E-08
60		*	0.29	0.128	0.047	0.2043	0.0000	0.0000	0.00E+00	0.2550	0.0036	3.06E-08
61	*	*	0.02	0.000	0.020	0.2043	0.0000	0.0000	0.00E+00	0.2550	0.0036	3.06E-08
62	*	*	0.10	0.000	0.018	0.2043	0.0000	0.0000	0.00E+00	0.2550	0.0036	3.06E-08
63	*	*	0.05	0.000	0.007	0.2043	0.0000	0.0000	0.00E+00	0.2550	0.0036	3.06E-08
64	*	*	0.05	0.000	0.002	0.2043	0.0000	0.0000	0.00E+00	0.2549	0.0036	3.06E-08
65	*	*	0.03	0.000	0.000	0.2043	0.0000	0.0000	0.00E+00	0.2549	0.0036	3.06E-08
66	*	*	0.00	0.000	0.024	0.2043	0.0000	0.0000	0.00E+00	0.2549	0.0036	3.06E-08

67		*	0.00	0.030	0.036	0.2094	0.0000	0.0000	0.00E+00	0.2549	0.0036	3.06E-08
68		*	0.04	0.000	0.004	0.2109	0.0000	0.0000	0.00E+00	0.2548	0.0036	3.06E-08
69	*	*	0.09	0.000	0.053	0.2109	0.0000	0.0000	0.00E+00	0.2548	0.0036	3.06E-08
70	*	*	0.00	0.000	0.042	0.2109	0.0000	0.0000	0.00E+00	0.2548	0.0036	3.06E-08
71	*	*	0.02	0.000	0.008	0.2109	0.0000	0.0000	0.00E+00	0.2548	0.0036	3.06E-08
72	*	*	0.00	0.000	0.005	0.2109	0.0000	0.0000	0.00E+00	0.2548	0.0036	3.06E-08
73	*	*	0.00	0.000	0.003	0.2109	0.0000	0.0000	0.00E+00	0.2547	0.0036	3.06E-08
74		*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2547	0.0036	3.06E-08
75		*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2547	0.0036	3.06E-08
76		*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2547	0.0036	3.06E-08
77		*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2546	0.0036	3.06E-08
78	*	*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2546	0.0036	3.06E-08
79	*	*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2546	0.0036	3.06E-08
80	*	*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2546	0.0036	3.06E-08
81	*	*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2545	0.0036	3.06E-08
82		*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2545	0.0036	3.06E-08
83		*	0.00	0.000	0.000	0.2109	0.0000	0.0000	0.00E+00	0.2545	0.0036	3.06E-08
84		*	0.05	0.000	0.004	0.2129	0.0000	0.0000	0.00E+00	0.2545	0.0036	3.06E-08
85	*	*	0.06	0.000	0.033	0.2129	0.0000	0.0000	0.00E+00	0.2545	0.0036	3.06E-08
86		*	0.00	0.000	0.030	0.2129	0.0000	0.0000	0.00E+00	0.2544	0.0036	3.06E-08
87		*	0.03	0.000	0.004	0.2140	0.0000	0.0000	0.00E+00	0.2544	0.0036	3.06E-08
88		*	0.26	0.076	0.004	0.2216	0.0000	0.0000	0.00E+00	0.2544	0.0036	3.06E-08
89		*	0.46	0.232	0.004	0.2310	0.0000	0.0000	0.00E+00	0.2544	0.0036	3.06E-08
90	*	*	0.00	0.000	0.000	0.2310	0.0000	0.0000	0.00E+00	0.2543	0.0036	3.06E-08
91	*	*	0.00	0.000	0.000	0.2310	0.0000	0.0000	0.00E+00	0.2543	0.0036	3.06E-08
92		*	0.00	0.000	0.000	0.2310	0.0000	0.0000	0.00E+00	0.2543	0.0036	3.06E-08
93		*	0.25	0.082	0.004	0.2377	0.0000	0.0000	0.00E+00	0.2543	0.0036	3.06E-08
94		*	1.35	1.093	0.004	0.2481	0.0000	0.0000	0.00E+00	0.2542	0.0036	3.06E-08
95		*	0.68	0.480	0.004	0.2563	0.0000	0.0000	0.00E+00	0.2542	0.0036	3.05E-08
96		*	0.00	0.000	0.000	0.2563	0.0000	0.0000	0.00E+00	0.2542	0.0036	3.05E-08
97	*	*	0.00	0.000	0.000	0.2563	0.0000	0.0000	0.00E+00	0.2542	0.0036	3.05E-08
98	*	*	0.13	0.000	0.015	0.2563	0.0000	0.0000	0.00E+00	0.2541	0.0036	3.05E-08
99		*	0.12	0.098	0.105	0.2575	0.0000	0.0000	0.00E+00	0.2541	0.0036	3.05E-08
100		*	0.17	0.056	0.004	0.2622	0.0000	0.0000	0.00E+00	0.2541	0.0036	3.05E-08
101		*	1.18	0.989	0.004	0.2701	0.0000	0.0000	0.00E+00	0.2541	0.0036	3.05E-08
102		*	0.00	0.000	0.000	0.2701	0.0000	0.0000	0.00E+00	0.2541	0.0036	3.05E-08
103		*	0.08	0.011	0.004	0.2729	0.0000	0.0000	0.00E+00	0.2540	0.0036	3.05E-08

104	*	*	0.00	0.000	0.000	0.2729	0.0000	0.0000	0.00E+00	0.2540	0.0036	3.05E-08
105		*	0.22	0.102	0.004	0.2777	0.0000	0.0000	0.00E+00	0.2540	0.0036	3.05E-08
106	*	*	0.00	0.000	0.000	0.2777	0.0000	0.0000	0.00E+00	0.2540	0.0036	3.05E-08
107	*	*	0.00	0.000	0.000	0.2777	0.0000	0.0000	0.00E+00	0.2539	0.0036	3.05E-08
108	*	*	0.01	0.000	0.006	0.2777	0.0000	0.0000	0.00E+00	0.2539	0.0036	3.05E-08
109	*	*	0.20	0.000	0.018	0.2777	0.0000	0.0000	0.00E+00	0.2539	0.0036	3.05E-08
110	*	*	0.17	0.000	0.008	0.2777	0.0000	0.0000	0.00E+00	0.2539	0.0036	3.05E-08
111	*	*	0.11	0.000	0.005	0.2777	0.0000	0.0000	0.00E+00	0.2538	0.0036	3.05E-08
112	*	*	0.54	0.000	0.010	0.2777	0.0000	0.0000	0.00E+00	0.2538	0.0036	3.05E-08
113	*	*	0.16	0.000	0.000	0.2777	0.0000	0.0000	0.00E+00	0.2538	0.0036	3.05E-08
114		*	0.24	1.206	0.000	0.2847	0.0000	0.0000	0.00E+00	0.2538	0.0036	3.05E-08
115		*	0.01	0.000	0.003	0.2851	0.0000	0.0000	0.00E+00	0.2537	0.0036	3.05E-08
116	*	*	0.02	0.000	0.025	0.2851	0.0000	0.0000	0.00E+00	0.2537	0.0036	3.05E-08
117	*	*	0.00	0.000	0.000	0.2851	0.0000	0.0000	0.00E+00	0.2537	0.0036	3.05E-08
118	*	*	0.00	0.000	0.000	0.2851	0.0000	0.0000	0.00E+00	0.2537	0.0036	3.05E-08
119	*	*	0.00	0.000	0.000	0.2851	0.0000	0.0000	0.00E+00	0.2536	0.0036	3.05E-08
120		*	0.08	0.016	0.003	0.2877	0.0000	0.0000	0.00E+00	0.2536	0.0036	3.05E-08
121		*	0.00	0.000	0.000	0.2877	0.0000	0.0000	0.00E+00	0.2536	0.0036	3.05E-08
122		*	0.04	0.002	0.003	0.2893	0.0000	0.0000	0.00E+00	0.2536	0.0036	3.05E-08
123	*	*	0.13	0.000	0.053	0.2893	0.0000	0.0000	0.00E+00	0.2536	0.0036	3.05E-08
124		*	0.09	0.069	0.080	0.2898	0.0000	0.0000	0.00E+00	0.2535	0.0036	3.05E-08
125	*	*	0.15	0.000	0.078	0.2898	0.0000	0.0000	0.00E+00	0.2535	0.0036	3.05E-08
126		*	0.02	0.005	0.091	0.2898	0.0000	0.0000	0.00E+00	0.2535	0.0036	3.05E-08
127		*	0.00	0.000	0.000	0.2898	0.0000	0.0000	0.00E+00	0.2535	0.0036	3.05E-08
128		*	0.00	0.000	0.000	0.2898	0.0000	0.0000	0.00E+00	0.2534	0.0036	3.05E-08
129		*	0.07	0.011	0.003	0.2921	0.0000	0.0000	0.00E+00	0.2534	0.0036	3.05E-08
130		*	0.00	0.000	0.000	0.2921	0.0000	0.0000	0.00E+00	0.2534	0.0036	3.04E-08
131		*	0.12	0.044	0.003	0.2954	0.0000	0.0000	0.00E+00	0.2534	0.0036	3.04E-08
132		*	0.00	0.000	0.000	0.2954	0.0000	0.0000	0.00E+00	0.2533	0.0036	3.04E-08
133		*	0.14	0.058	0.003	0.2987	0.0000	0.0000	0.00E+00	0.2533	0.0036	3.04E-08
134		*	0.00	0.000	0.000	0.2987	0.0000	0.0000	0.00E+00	0.2533	0.0036	3.04E-08
135		*	0.05	0.004	0.003	0.3003	0.0000	0.0000	0.00E+00	0.2533	0.0036	3.04E-08
136	*	*	0.03	0.000	0.027	0.3003	0.0000	0.0000	0.00E+00	0.2532	0.0036	3.04E-08
137	*	*	0.03	0.000	0.028	0.3003	0.0000	0.0000	0.00E+00	0.2532	0.0036	3.04E-08
138	*	*	0.20	0.000	0.037	0.3003	0.0000	0.0000	0.00E+00	0.2532	0.0036	3.04E-08
139	*	*	0.00	0.000	0.049	0.3003	0.0000	0.0000	0.00E+00	0.2532	0.0036	3.04E-08
140		*	0.00	0.000	0.116	0.3003	0.0000	0.0000	0.00E+00	0.2531	0.0036	3.04E-08

141	*	0.00	0.000	0.000	0.3003	0.0000	0.0000	0.00E+00	0.2531	0.0036	3.04E-08
142	*	0.00	0.000	0.000	0.3003	0.0000	0.0000	0.00E+00	0.2531	0.0036	3.04E-08
143	*	0.00	0.000	0.000	0.3003	0.0000	0.0000	0.00E+00	0.2531	0.0036	3.04E-08
144		0.00	0.000	0.266	0.2703	8.3356	0.4544	2.83E-04	0.2533	0.0036	3.04E-08
145		0.09	0.000	0.263	0.2394	10.4914	0.5719	3.55E-04	0.2541	0.0036	3.05E-08
146		0.00	0.000	0.362	0.2041	8.9189	0.4862	2.99E-04	0.2549	0.0036	3.06E-08
147		0.00	0.000	0.113	0.1830	7.2082	0.3929	2.38E-04	0.2554	0.0036	3.07E-08
148		0.00	0.000	0.054	0.1661	6.4157	0.3497	2.11E-04	0.2558	0.0036	3.07E-08
149		0.42	0.000	0.045	0.1689	5.6915	0.3103	1.86E-04	0.2561	0.0036	3.08E-08
150		0.16	0.000	0.038	0.1636	4.5615	0.2487	1.48E-04	0.2562	0.0036	3.08E-08
151		1.34	0.000	0.159	0.2045	3.6779	0.2005	1.18E-04	0.2563	0.0036	3.08E-08
152		0.10	0.000	0.248	0.1909	3.2687	0.1782	1.05E-04	0.2562	0.0036	3.08E-08
153		0.12	0.000	0.216	0.1802	2.9878	0.1629	9.56E-05	0.2562	0.0036	3.08E-08
154		0.02	0.000	0.116	0.1697	2.8288	0.1542	9.04E-05	0.2561	0.0036	3.08E-08
155		0.00	0.000	0.129	0.1583	2.6293	0.1433	8.39E-05	0.2560	0.0036	3.08E-08
156		0.37	0.000	0.195	0.1601	2.4139	0.1316	7.69E-05	0.2559	0.0036	3.07E-08
157		0.00	0.000	0.230	0.1454	2.2198	0.1210	7.06E-05	0.2557	0.0036	3.07E-08
158		0.00	0.000	0.200	0.1325	1.9922	0.1086	6.32E-05	0.2556	0.0036	3.07E-08
159		0.00	0.000	0.131	0.1231	1.7438	0.0951	5.52E-05	0.2554	0.0036	3.07E-08
160		0.00	0.000	0.057	0.1172	1.5631	0.0852	4.94E-05	0.2552	0.0036	3.07E-08
161		0.11	0.000	0.048	0.1164	1.4148	0.0771	4.47E-05	0.2550	0.0036	3.06E-08
162		0.14	0.000	0.042	0.1174	1.2645	0.0689	3.99E-05	0.2548	0.0036	3.06E-08
163		0.00	0.000	0.036	0.1134	1.1142	0.0607	3.51E-05	0.2546	0.0036	3.06E-08
164		0.00	0.000	0.032	0.1098	0.9782	0.0533	3.08E-05	0.2544	0.0036	3.06E-08
165		0.23	0.000	0.031	0.1163	0.8651	0.0472	2.72E-05	0.2541	0.0036	3.05E-08
166		0.14	0.000	0.030	0.1191	0.7652	0.0417	2.40E-05	0.2539	0.0036	3.05E-08
167		0.00	0.000	0.260	0.1066	0.6860	0.0374	2.15E-05	0.2537	0.0036	3.05E-08
168		0.00	0.000	0.031	0.1040	0.6130	0.0334	1.92E-05	0.2535	0.0036	3.05E-08
169		0.04	0.000	0.034	0.1029	0.5297	0.0289	1.66E-05	0.2533	0.0036	3.04E-08
170		0.00	0.000	0.029	0.1007	0.4629	0.0252	1.45E-05	0.2530	0.0036	3.04E-08
171		0.00	0.000	0.029	0.0985	0.4115	0.0224	1.29E-05	0.2528	0.0036	3.04E-08
172		0.00	0.000	0.027	0.0966	0.3714	0.0202	1.16E-05	0.2526	0.0036	3.04E-08
173		0.16	0.000	0.027	0.1014	0.3326	0.0181	1.04E-05	0.2524	0.0036	3.03E-08
174		0.04	0.000	0.034	0.1009	0.3014	0.0164	9.41E-06	0.2522	0.0036	3.03E-08
175		0.00	0.000	0.031	0.0990	0.2748	0.0150	8.58E-06	0.2521	0.0036	3.03E-08
176		0.00	0.000	0.030	0.0972	0.2553	0.0139	7.97E-06	0.2519	0.0036	3.03E-08
177		1.05	0.000	0.033	0.1389	0.2354	0.0128	7.34E-06	0.2517	0.0036	3.02E-08

178	0.51	0.000	0.334	0.1458	0.2151	0.0117	6.71E-06	0.2516	0.0036	3.02E-08
179	0.00	0.000	0.319	0.1320	0.2185	0.0119	6.82E-06	0.2514	0.0036	3.02E-08
180	0.00	0.000	0.306	0.1188	0.2143	0.0117	6.69E-06	0.2512	0.0036	3.02E-08
181	0.40	0.000	0.152	0.1287	0.1851	0.0101	5.77E-06	0.2511	0.0036	3.02E-08
182	0.00	0.000	0.333	0.1144	0.1638	0.0089	5.11E-06	0.2510	0.0036	3.02E-08
183	0.00	0.000	0.072	0.1109	0.2081	0.0113	6.49E-06	0.2508	0.0036	3.01E-08
184	0.31	0.000	0.074	0.1200	0.3101	0.0169	9.69E-06	0.2507	0.0036	3.01E-08
185	0.13	0.000	0.277	0.1130	0.3713	0.0202	1.16E-05	0.2506	0.0036	3.01E-08
186	0.04	0.000	0.049	0.1118	0.3621	0.0197	1.13E-05	0.2505	0.0035	3.01E-08
187	0.05	0.000	0.056	0.1107	0.3568	0.0195	1.11E-05	0.2504	0.0035	3.01E-08
188	0.37	0.000	0.057	0.1228	0.3621	0.0197	1.13E-05	0.2503	0.0035	3.01E-08
189	0.08	0.000	0.267	0.1141	0.3706	0.0202	1.16E-05	0.2502	0.0035	3.01E-08
190	0.02	0.000	0.116	0.1092	0.3589	0.0196	1.12E-05	0.2502	0.0035	3.01E-08
191	0.81	0.000	0.118	0.1374	0.3266	0.0178	1.02E-05	0.2501	0.0035	3.00E-08
192	0.04	0.000	0.133	0.1326	0.3069	0.0167	9.58E-06	0.2500	0.0035	3.00E-08
193	0.19	0.000	0.295	0.1278	0.3005	0.0164	9.38E-06	0.2499	0.0035	3.00E-08
194	0.45	0.000	0.300	0.1334	0.3148	0.0172	9.83E-06	0.2499	0.0035	3.00E-08
195	0.00	0.000	0.156	0.1262	0.3108	0.0169	9.71E-06	0.2498	0.0035	3.00E-08
196	0.00	0.000	0.281	0.1139	0.2796	0.0152	8.73E-06	0.2497	0.0035	3.00E-08
197	0.00	0.000	0.291	0.1012	0.2403	0.0131	7.50E-06	0.2497	0.0035	3.00E-08
198	0.04	0.000	0.187	0.0945	0.2168	0.0118	6.76E-06	0.2496	0.0035	3.00E-08
199	0.03	0.000	0.107	0.0908	0.2327	0.0127	7.26E-06	0.2496	0.0035	3.00E-08
200	0.17	0.000	0.072	0.0944	0.2350	0.0128	7.33E-06	0.2495	0.0035	3.00E-08
201	0.42	0.000	0.103	0.1069	0.2266	0.0124	7.07E-06	0.2494	0.0035	3.00E-08
202	0.00	0.000	0.259	0.0957	0.2150	0.0117	6.71E-06	0.2494	0.0035	3.00E-08
203	0.00	0.000	0.084	0.0917	0.1976	0.0108	6.16E-06	0.2494	0.0035	3.00E-08
204	0.24	0.000	0.101	0.0970	0.1653	0.0090	5.15E-06	0.2493	0.0035	3.00E-08
205	0.00	0.000	0.226	0.0873	0.1387	0.0076	4.32E-06	0.2493	0.0035	2.99E-08
206	0.00	0.000	0.107	0.0825	0.1162	0.0063	3.62E-06	0.2492	0.0035	2.99E-08
207	0.00	0.000	0.113	0.0776	0.1002	0.0055	3.12E-06	0.2492	0.0035	2.99E-08
208	0.00	0.000	0.126	0.0722	0.0919	0.0050	2.86E-06	0.2491	0.0035	2.99E-08
209	0.00	0.000	0.126	0.0667	0.0867	0.0047	2.70E-06	0.2491	0.0035	2.99E-08
210	0.14	0.000	0.134	0.0666	0.0834	0.0045	2.60E-06	0.2490	0.0035	2.99E-08
211	0.09	0.000	0.099	0.0661	0.0841	0.0046	2.62E-06	0.2490	0.0035	2.99E-08
212	0.04	0.000	0.235	0.0578	0.0930	0.0051	2.90E-06	0.2490	0.0035	2.99E-08
213	0.01	0.000	0.154	0.0515	0.1758	0.0096	5.48E-06	0.2489	0.0035	2.99E-08
214	0.01	0.000	0.083	0.0478	0.3139	0.0171	9.80E-06	0.2489	0.0035	2.99E-08

215	0.00	0.000	0.077	0.0439	0.2988	0.0163	9.33E-06	0.2489	0.0035	2.99E-08
216	0.00	0.000	0.080	0.0400	0.2372	0.0129	7.40E-06	0.2489	0.0035	2.99E-08
217	0.00	0.000	0.097	0.0360	0.0726	0.0035	2.00E-06	0.2489	0.0035	2.99E-08
218	0.00	0.000	0.028	0.0348	0.0000	0.0000	0.00E+00	0.2488	0.0035	2.99E-08
219	0.00	0.000	0.027	0.0337	0.0000	0.0000	0.00E+00	0.2488	0.0035	2.99E-08
220	0.44	0.000	0.075	0.0490	0.0000	0.0000	0.00E+00	0.2488	0.0035	2.99E-08
221	0.00	0.000	0.070	0.0461	0.0000	0.0000	0.00E+00	0.2488	0.0035	2.99E-08
222	0.00	0.000	0.089	0.0424	0.0000	0.0000	0.00E+00	0.2487	0.0035	2.99E-08
223	0.88	0.000	0.087	0.0753	0.0000	0.0000	0.00E+00	0.2487	0.0035	2.99E-08
224	0.01	0.000	0.218	0.0664	0.0000	0.0000	0.00E+00	0.2487	0.0035	2.99E-08
225	0.00	0.000	0.211	0.0576	0.0000	0.0000	0.00E+00	0.2487	0.0035	2.99E-08
226	0.00	0.000	0.178	0.0502	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
227	0.00	0.000	0.242	0.0402	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
228	0.00	0.000	0.152	0.0338	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
229	0.02	0.000	0.036	0.0332	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
230	0.64	0.000	0.078	0.0564	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
231	0.00	0.000	0.067	0.0536	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
232	0.00	0.000	0.184	0.0459	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
233	1.72	0.000	0.211	0.1090	0.0000	0.0000	0.00E+00	0.2486	0.0035	2.99E-08
234	0.00	0.000	0.203	0.1005	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
235	0.00	0.000	0.118	0.0956	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
236	0.10	0.000	0.153	0.0935	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
237	0.04	0.000	0.182	0.0874	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
238	0.71	0.000	0.103	0.1126	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
239	0.13	0.000	0.189	0.1101	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
240	0.17	0.000	0.085	0.1136	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
241	0.00	0.000	0.224	0.1043	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
242	0.00	0.000	0.206	0.0957	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
243	0.00	0.000	0.247	0.0854	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
244	0.00	0.000	0.188	0.0776	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
245	0.00	0.000	0.066	0.0748	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
246	0.88	0.000	0.064	0.1087	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
247	0.08	0.000	0.074	0.1091	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
248	0.05	0.000	0.101	0.1069	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
249	0.00	0.000	0.098	0.1029	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
250	0.00	0.000	0.152	0.0965	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08
251	0.00	0.000	0.158	0.0900	0.0000	0.0000	0.00E+00	0.2485	0.0035	2.99E-08

252		0.00	0.000	0.150	0.0837	0.0110	0.0006	3.48E-07	0.2485	0.0035	2.99E-08
253		0.00	0.000	0.148	0.0774	0.0375	0.0020	1.17E-06	0.2485	0.0035	2.99E-08
254		0.00	0.000	0.157	0.0708	0.0397	0.0022	1.24E-06	0.2485	0.0035	2.99E-08
255		0.00	0.000	0.076	0.0676	0.0283	0.0015	8.84E-07	0.2485	0.0035	2.99E-08
256		0.00	0.000	0.067	0.0648	0.0190	0.0010	5.98E-07	0.2485	0.0035	2.99E-08
257		0.04	0.000	0.063	0.0638	0.0119	0.0007	3.81E-07	0.2485	0.0035	2.99E-08
258		0.00	0.000	0.035	0.0623	0.0086	0.0005	2.77E-07	0.2485	0.0035	2.99E-08
259		0.00	0.000	0.031	0.0610	0.0078	0.0004	2.52E-07	0.2485	0.0035	2.99E-08
260		0.37	0.000	0.052	0.0741	0.0386	0.0021	1.20E-06	0.2485	0.0035	2.99E-08
261		0.00	0.000	0.024	0.0729	0.0706	0.0038	2.20E-06	0.2485	0.0035	2.99E-08
262		0.00	0.000	0.023	0.0718	0.0798	0.0044	2.49E-06	0.2485	0.0035	2.99E-08
263		0.00	0.000	0.021	0.0707	0.0869	0.0047	2.71E-06	0.2485	0.0035	2.99E-08
264		0.18	0.000	0.041	0.0762	0.0971	0.0053	3.02E-06	0.2485	0.0035	2.99E-08
265		0.14	0.000	0.231	0.0720	0.1153	0.0063	3.59E-06	0.2485	0.0035	2.99E-08
266		0.11	0.000	0.042	0.0747	0.1318	0.0072	4.11E-06	0.2485	0.0035	2.99E-08
267		0.37	0.000	0.111	0.0852	0.1276	0.0070	3.97E-06	0.2485	0.0035	2.99E-08
268		0.00	0.000	0.094	0.0810	0.1302	0.0071	4.06E-06	0.2485	0.0035	2.99E-08
269		0.00	0.000	0.144	0.0747	0.1351	0.0074	4.21E-06	0.2486	0.0035	2.99E-08
270		0.00	0.000	0.135	0.0688	0.1429	0.0078	4.45E-06	0.2486	0.0035	2.99E-08
271		0.00	0.000	0.053	0.0662	0.1421	0.0077	4.43E-06	0.2486	0.0035	2.99E-08
272		0.00	0.000	0.052	0.0638	0.1324	0.0072	4.13E-06	0.2486	0.0035	2.99E-08
273		0.00	0.000	0.041	0.0618	0.1231	0.0067	3.84E-06	0.2486	0.0035	2.99E-08
274		0.00	0.000	0.034	0.0601	0.1132	0.0062	3.53E-06	0.2486	0.0035	2.99E-08
275		0.00	0.000	0.030	0.0587	0.1036	0.0056	3.23E-06	0.2486	0.0035	2.99E-08
276	*	0.00	0.000	0.000	0.0584	0.0928	0.0051	2.89E-06	0.2486	0.0035	2.99E-08
277	*	0.00	0.000	0.027	0.0571	0.0820	0.0045	2.55E-06	0.2486	0.0035	2.99E-08
278		0.15	0.000	0.039	0.0615	0.0755	0.0041	2.35E-06	0.2486	0.0035	2.99E-08
279		0.00	0.000	0.023	0.0604	0.0696	0.0038	2.17E-06	0.2486	0.0035	2.99E-08
280		0.50	0.000	0.036	0.0795	0.0642	0.0035	2.00E-06	0.2486	0.0035	2.99E-08
281		0.00	0.000	0.055	0.0771	0.0616	0.0034	1.92E-06	0.2485	0.0035	2.99E-08
282		0.00	0.000	0.088	0.0733	0.0653	0.0036	2.03E-06	0.2485	0.0035	2.99E-08
283		0.03	0.000	0.057	0.0719	0.0691	0.0038	2.15E-06	0.2485	0.0035	2.99E-08
284		0.18	0.000	0.096	0.0753	0.0704	0.0038	2.19E-06	0.2485	0.0035	2.99E-08
285		0.23	0.000	0.056	0.0822	0.0728	0.0040	2.27E-06	0.2485	0.0035	2.99E-08
286		0.08	0.000	0.048	0.0832	0.0700	0.0038	2.18E-06	0.2485	0.0035	2.99E-08
287		0.05	0.000	0.075	0.0821	0.0686	0.0037	2.14E-06	0.2485	0.0035	2.99E-08
288	*	0.00	0.000	0.000	0.0820	0.0660	0.0036	2.06E-06	0.2485	0.0035	2.99E-08

289		0.00	0.000	0.093	0.0780	0.0623	0.0034	1.94E-06	0.2485	0.0035	2.99E-08
290		0.00	0.000	0.087	0.0742	0.0646	0.0035	2.01E-06	0.2485	0.0035	2.99E-08
291		0.00	0.000	0.033	0.0726	0.0657	0.0036	2.04E-06	0.2485	0.0035	2.99E-08
292	*	0.09	0.000	0.039	0.0733	0.0602	0.0033	1.87E-06	0.2485	0.0035	2.99E-08
293	*	0.00	0.000	0.009	0.0740	0.0518	0.0028	1.61E-06	0.2485	0.0035	2.99E-08
294	*	0.82	0.000	0.003	0.0748	0.0446	0.0024	1.39E-06	0.2485	0.0035	2.99E-08
295	*	0.11	0.000	0.010	0.0755	0.0384	0.0021	1.20E-06	0.2484	0.0035	2.99E-08
296		0.00	0.000	0.000	0.1119	0.0331	0.0018	1.03E-06	0.2484	0.0035	2.98E-08
297		0.00	0.000	0.070	0.1089	0.0334	0.0018	1.04E-06	0.2484	0.0035	2.98E-08
298		0.00	0.000	0.074	0.1057	0.0333	0.0018	1.04E-06	0.2484	0.0035	2.98E-08
299		0.00	0.000	0.049	0.1036	0.0287	0.0016	8.97E-07	0.2484	0.0035	2.98E-08
300		0.24	0.000	0.083	0.1101	0.0247	0.0013	7.75E-07	0.2484	0.0035	2.98E-08
301		0.00	0.000	0.053	0.1078	0.0213	0.0012	6.69E-07	0.2484	0.0035	2.98E-08
302		0.00	0.000	0.130	0.1024	0.0183	0.0010	5.78E-07	0.2484	0.0035	2.98E-08
303		0.00	0.000	0.088	0.0987	0.0195	0.0011	6.15E-07	0.2484	0.0035	2.98E-08
304		0.00	0.000	0.072	0.0956	0.0351	0.0019	1.10E-06	0.2483	0.0035	2.98E-08
305	*	0.00	0.000	0.000	0.0955	0.0567	0.0031	1.77E-06	0.2483	0.0035	2.98E-08
306	*	0.00	0.000	0.000	0.0954	0.0543	0.0030	1.69E-06	0.2483	0.0035	2.98E-08
307		0.00	0.000	0.045	0.0934	0.0551	0.0030	1.72E-06	0.2483	0.0035	2.98E-08
308		0.00	0.000	0.055	0.0909	0.0603	0.0033	1.88E-06	0.2483	0.0035	2.98E-08
309	*	0.00	0.000	0.000	0.0908	0.0585	0.0032	1.82E-06	0.2483	0.0035	2.98E-08
310	*	0.00	0.000	0.027	0.0895	0.0608	0.0033	1.89E-06	0.2483	0.0035	2.98E-08
311	*	0.00	0.000	0.025	0.0883	0.0765	0.0042	2.38E-06	0.2483	0.0035	2.98E-08
312	*	0.00	0.000	0.021	0.0873	0.0906	0.0049	2.82E-06	0.2483	0.0035	2.98E-08
313		0.00	0.000	0.053	0.0848	0.1081	0.0059	3.37E-06	0.2483	0.0035	2.98E-08
314		0.00	0.000	0.036	0.0830	0.1220	0.0067	3.80E-06	0.2482	0.0035	2.98E-08
315		0.38	0.000	0.049	0.0967	0.1265	0.0069	3.94E-06	0.2482	0.0035	2.98E-08
316		0.00	0.000	0.069	0.0936	0.1237	0.0067	3.86E-06	0.2482	0.0035	2.98E-08
317		0.00	0.000	0.088	0.0897	0.1141	0.0062	3.55E-06	0.2482	0.0035	2.98E-08
318		0.00	0.000	0.058	0.0870	0.1179	0.0064	3.67E-06	0.2482	0.0035	2.98E-08
319		0.01	0.000	0.120	0.0821	0.1250	0.0068	3.90E-06	0.2482	0.0035	2.98E-08
320		0.02	0.000	0.104	0.0784	0.1358	0.0074	4.23E-06	0.2482	0.0035	2.98E-08
321		0.03	0.000	0.060	0.0770	0.1416	0.0077	4.41E-06	0.2482	0.0035	2.98E-08
322		0.00	0.000	0.042	0.0750	0.1468	0.0080	4.58E-06	0.2482	0.0035	2.98E-08
323		0.48	0.000	0.041	0.0930	0.1494	0.0081	4.66E-06	0.2482	0.0035	2.98E-08
324		0.00	0.000	0.068	0.0898	0.1472	0.0080	4.59E-06	0.2482	0.0035	2.98E-08
325		0.00	0.000	0.062	0.0869	0.1415	0.0077	4.41E-06	0.2482	0.0035	2.98E-08

326			0.00	0.000	0.137	0.0808	0.1498	0.0082	4.67E-06	0.2481	0.0035	2.98E-08
327			0.00	0.000	0.095	0.0765	0.1657	0.0090	5.17E-06	0.2481	0.0035	2.98E-08
328			0.00	0.000	0.040	0.0744	0.1655	0.0090	5.16E-06	0.2481	0.0035	2.98E-08
329	*		0.32	0.000	0.013	0.0749	0.1542	0.0084	4.81E-06	0.2481	0.0035	2.98E-08
330	*		0.01	0.000	0.012	0.0754	0.1393	0.0076	4.34E-06	0.2481	0.0035	2.98E-08
331			0.00	0.000	0.005	0.0858	0.1261	0.0069	3.93E-06	0.2481	0.0035	2.98E-08
332			0.00	0.000	0.037	0.0840	0.1154	0.0063	3.59E-06	0.2481	0.0035	2.98E-08
333	*		0.00	0.000	0.000	0.0837	0.1072	0.0058	3.34E-06	0.2481	0.0035	2.98E-08
334			0.00	0.000	0.037	0.0820	0.0996	0.0054	3.10E-06	0.2480	0.0035	2.98E-08
335			0.00	0.000	0.072	0.0787	0.0988	0.0054	3.08E-06	0.2480	0.0035	2.98E-08
336			0.00	0.000	0.041	0.0768	0.0989	0.0054	3.08E-06	0.2480	0.0035	2.98E-08
337			0.00	0.000	0.053	0.0744	0.0956	0.0052	2.98E-06	0.2480	0.0035	2.98E-08
338			0.00	0.000	0.039	0.0726	0.0927	0.0051	2.89E-06	0.2480	0.0035	2.98E-08
339	*		0.01	0.000	0.005	0.0724	0.0857	0.0047	2.67E-06	0.2479	0.0035	2.98E-08
340	*		0.00	0.000	0.000	0.0722	0.0752	0.0041	2.34E-06	0.2479	0.0035	2.98E-08
341	*		0.00	0.000	0.000	0.0721	0.0662	0.0036	2.06E-06	0.2479	0.0035	2.98E-08
342	*		0.00	0.000	0.000	0.0719	0.0584	0.0032	1.82E-06	0.2479	0.0035	2.98E-08
343	*		0.45	0.000	0.010	0.0726	0.0517	0.0028	1.61E-06	0.2479	0.0035	2.98E-08
344			0.00	0.000	0.000	0.0900	0.0458	0.0025	1.43E-06	0.2478	0.0035	2.98E-08
345	*		0.14	0.000	0.009	0.0908	0.0408	0.0022	1.27E-06	0.2478	0.0035	2.98E-08
346			0.00	0.000	0.018	0.0944	0.0364	0.0020	1.13E-06	0.2478	0.0035	2.98E-08
347			0.00	0.000	0.029	0.0931	0.0346	0.0019	1.08E-06	0.2478	0.0035	2.98E-08
348	*		0.00	0.000	0.000	0.0930	0.0341	0.0019	1.06E-06	0.2478	0.0035	2.98E-08
349			0.00	0.000	0.035	0.0915	0.0328	0.0018	1.02E-06	0.2477	0.0035	2.98E-08
350			0.19	0.000	0.039	0.0976	0.0354	0.0019	1.10E-06	0.2477	0.0035	2.98E-08
351	*		0.00	0.000	0.000	0.0975	0.0348	0.0019	1.09E-06	0.2477	0.0035	2.98E-08
352	*		0.12	0.000	0.004	0.0982	0.0305	0.0017	9.52E-07	0.2477	0.0035	2.98E-08
353	*		0.02	0.000	0.008	0.0990	0.0270	0.0015	8.45E-07	0.2476	0.0035	2.98E-08
354	*		0.04	0.000	0.000	0.0998	0.0240	0.0013	7.52E-07	0.2476	0.0035	2.98E-08
355	*	*	0.00	0.000	0.007	0.0997	0.0211	0.0012	6.63E-07	0.2476	0.0035	2.97E-08
356	*	*	0.00	0.000	0.013	0.0997	0.0182	0.0010	5.73E-07	0.2476	0.0035	2.97E-08
357	*	*	0.00	0.000	0.000	0.0996	0.0157	0.0009	4.95E-07	0.2476	0.0035	2.97E-08
358		*	0.00	0.000	0.023	0.1025	0.0135	0.0007	4.29E-07	0.2475	0.0035	2.97E-08
359		*	0.00	0.000	0.000	0.1025	0.0116	0.0006	3.71E-07	0.2475	0.0035	2.97E-08
360	*	*	0.00	0.000	0.000	0.1025	0.0100	0.0005	3.21E-07	0.2475	0.0035	2.97E-08
361		*	0.00	0.000	0.000	0.1025	0.0086	0.0005	2.79E-07	0.2475	0.0035	2.97E-08
362		*	0.00	0.000	0.000	0.1025	0.0074	0.0004	2.42E-07	0.2475	0.0035	2.97E-08

363	*	0.00	0.000	0.000	0.1024	0.0064	0.0003	2.10E-07	0.2474	0.0035	2.97E-08
364	*	0.00	0.000	0.000	0.1024	0.0055	0.0003	1.83E-07	0.2474	0.0035	2.97E-08
365	*	0.00	0.000	0.000	0.1024	0.0047	0.0003	1.59E-07	0.2474	0.0035	2.97E-08

* = Frozen (air or soil)

Annual Totals for Year 19			
	inches	cubic feet	percent
Precipitation	30.59	933,940.6	100.00
Runoff	4.931	150,541.3	16.12
Evapotranspiration	21.497	656,280.8	70.27
Drainage Collected from Layer 2	5.7307	174,947.7	18.73
Percolation/Leakage through Layer 3	0.003411	104.1	0.01
Average Head on Top of Layer 3	0.2880	---	---
Drainage Collected from Layer 5	1.3008	39,711.7	4.25
Percolation/Leakage through Layer 7	0.000011	0.3368	0.00
Average Head on Top of Layer 6	0.2516	---	---
Change in Water Storage	-2.8675	-87,541.3	-9.37
Soil Water at Start of Year	298.1974	9,103,459.3	974.74
Soil Water at End of Year	295.3298	9,015,918.0	965.36
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 20

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1024	0.0041	0.0002	1.39E-07	0.2474	0.0035	2.97E-08
2		*	0.00	0.000	0.002	0.1024	0.0035	0.0002	1.22E-07	0.2474	0.0035	2.97E-08
3		*	0.01	0.000	0.003	0.1025	0.0030	0.0002	1.07E-07	0.2473	0.0035	2.97E-08
4		*	0.10	0.000	0.004	0.1064	0.0026	0.0001	9.39E-08	0.2473	0.0035	2.97E-08
5	*	*	0.02	0.000	0.017	0.1064	0.0022	0.0001	8.12E-08	0.2473	0.0035	2.97E-08
6	*	*	0.00	0.000	0.000	0.1064	0.0019	0.0001	7.30E-08	0.2473	0.0035	2.97E-08
7		*	0.09	0.000	0.004	0.1098	0.0017	0.0001	6.48E-08	0.2473	0.0035	2.97E-08
8		*	0.00	0.000	0.000	0.1098	0.0014	0.0001	5.77E-08	0.2472	0.0035	2.97E-08
9		*	0.00	0.000	0.000	0.1098	0.0012	0.0001	5.16E-08	0.2472	0.0035	2.97E-08
10		*	0.00	0.000	0.000	0.1098	0.0011	0.0001	4.63E-08	0.2472	0.0035	2.97E-08
11		*	0.10	0.000	0.004	0.1138	0.0009	0.0000	4.18E-08	0.2472	0.0035	2.97E-08
12		*	0.00	0.000	0.000	0.1138	0.0008	0.0000	3.79E-08	0.2472	0.0035	2.97E-08
13		*	0.00	0.000	0.000	0.1138	0.0007	0.0000	3.45E-08	0.2471	0.0035	2.97E-08
14	*	*	0.00	0.000	0.000	0.1138	0.0006	0.0000	3.16E-08	0.2471	0.0035	2.97E-08
15	*	*	0.00	0.000	0.000	0.1138	0.0005	0.0000	2.91E-08	0.2471	0.0035	2.97E-08
16	*	*	0.00	0.000	0.000	0.1138	0.0004	0.0000	2.70E-08	0.2471	0.0035	2.97E-08
17	*	*	0.00	0.000	0.000	0.1138	0.0004	0.0000	2.51E-08	0.2471	0.0035	2.97E-08
18	*	*	0.00	0.000	0.000	0.1138	0.0003	0.0000	2.35E-08	0.2470	0.0035	2.97E-08
19	*	*	0.00	0.000	0.000	0.1138	0.0003	0.0000	2.21E-08	0.2470	0.0035	2.97E-08
20	*	*	0.00	0.000	0.000	0.1138	0.0002	0.0000	2.09E-08	0.2470	0.0035	2.97E-08
21	*	*	0.07	0.000	0.004	0.1138	0.0002	0.0000	1.99E-08	0.2470	0.0035	2.97E-08
22	*	*	0.00	0.000	0.015	0.1138	0.0002	0.0000	1.90E-08	0.2470	0.0035	2.97E-08
23	*	*	0.00	0.000	0.007	0.1138	0.0002	0.0000	1.83E-08	0.2469	0.0035	2.97E-08
24	*	*	0.00	0.000	0.003	0.1138	0.0001	0.0000	1.76E-08	0.2469	0.0035	2.97E-08
25	*	*	0.00	0.000	0.002	0.1138	0.0001	0.0000	1.71E-08	0.2469	0.0035	2.97E-08
26	*	*	0.00	0.000	0.004	0.1138	0.0001	0.0000	1.66E-08	0.2469	0.0035	2.97E-08
27	*	*	0.00	0.000	0.015	0.1138	0.0001	0.0000	1.62E-08	0.2469	0.0035	2.97E-08
28	*	*	0.00	0.000	0.008	0.1138	0.0001	0.0000	1.58E-08	0.2469	0.0035	2.97E-08
29	*	*	0.00	0.000	0.010	0.1138	0.0001	0.0000	1.55E-08	0.2468	0.0035	2.97E-08

30		*	0.13	0.000	0.004	0.1189	0.0001	0.0000	1.52E-08	0.2468	0.0035	2.97E-08
31		*	0.00	0.000	0.000	0.1189	0.0000	0.0000	1.50E-08	0.2468	0.0035	2.97E-08
32		*	0.00	0.000	0.000	0.1189	0.0000	0.0000	1.48E-08	0.2468	0.0035	2.96E-08
33		*	0.00	0.000	0.000	0.1189	0.0000	0.0000	1.47E-08	0.2468	0.0035	2.96E-08
34	*	*	0.00	0.000	0.000	0.1189	0.0000	0.0000	1.45E-08	0.2467	0.0035	2.96E-08
35	*	*	0.00	0.000	0.000	0.1189	0.0000	0.0000	1.44E-08	0.2467	0.0035	2.96E-08
36	*	*	0.00	0.000	0.000	0.1189	0.0000	0.0000	1.43E-08	0.2467	0.0035	2.96E-08
37	*	*	0.01	0.000	0.007	0.1189	0.0000	0.0000	1.42E-08	0.2467	0.0035	2.96E-08
38		*	0.19	0.000	0.003	0.1267	0.0000	0.0000	1.41E-08	0.2467	0.0035	2.96E-08
39	*	*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.40E-08	0.2466	0.0035	2.96E-08
40		*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.40E-08	0.2466	0.0035	2.96E-08
41	*	*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.39E-08	0.2466	0.0035	2.96E-08
42	*	*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.39E-08	0.2466	0.0035	2.96E-08
43		*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.38E-08	0.2466	0.0035	2.96E-08
44	*	*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.38E-08	0.2466	0.0035	2.96E-08
45	*	*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.38E-08	0.2465	0.0035	2.96E-08
46		*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.37E-08	0.2465	0.0035	2.96E-08
47		*	0.00	0.000	0.000	0.1267	0.0000	0.0000	1.37E-08	0.2465	0.0035	2.96E-08
48		*	0.02	0.000	0.003	0.1273	0.0000	0.0000	1.37E-08	0.2465	0.0035	2.96E-08
49		*	0.11	0.000	0.003	0.1318	0.0000	0.0000	1.37E-08	0.2465	0.0035	2.96E-08
50		*	0.04	0.000	0.003	0.1332	0.0000	0.0000	1.37E-08	0.2464	0.0035	2.96E-08
51		*	0.00	0.000	0.000	0.1332	0.0000	0.0000	1.37E-08	0.2464	0.0035	2.96E-08
52		*	0.05	0.000	0.003	0.1352	0.0000	0.0000	1.37E-08	0.2464	0.0035	2.96E-08
53		*	0.01	0.000	0.003	0.1356	0.0000	0.0000	1.37E-08	0.2464	0.0035	2.96E-08
54	*	*	0.02	0.000	0.021	0.1356	0.0000	0.0000	1.36E-08	0.2464	0.0035	2.96E-08
55	*	*	0.05	0.000	0.032	0.1356	0.0000	0.0000	1.36E-08	0.2463	0.0035	2.96E-08
56		*	0.00	0.000	0.013	0.1356	0.0000	0.0000	1.36E-08	0.2463	0.0035	2.96E-08
57	*	*	0.08	0.000	0.034	0.1356	0.0000	0.0000	1.36E-08	0.2463	0.0035	2.96E-08
58	*	*	0.00	0.000	0.031	0.1356	0.0000	0.0000	1.36E-08	0.2463	0.0035	2.96E-08
59		*	0.00	0.000	0.021	0.1356	0.0000	0.0000	1.36E-08	0.2463	0.0035	2.96E-08
60		*	0.05	0.000	0.003	0.1377	0.0000	0.0000	1.36E-08	0.2462	0.0035	2.96E-08
61	*	*	0.00	0.000	0.000	0.1377	0.0000	0.0000	1.36E-08	0.2462	0.0035	2.96E-08
62		*	0.69	0.244	0.003	0.1561	0.0000	0.0000	1.36E-08	0.2462	0.0035	2.96E-08
63		*	0.00	0.000	0.000	0.1561	0.0000	0.0000	1.36E-08	0.2462	0.0035	2.96E-08
64	*	*	0.07	0.000	0.031	0.1561	0.0000	0.0000	1.36E-08	0.2462	0.0035	2.96E-08
65	*	*	0.00	0.000	0.018	0.1561	0.0000	0.0000	1.36E-08	0.2461	0.0035	2.96E-08
66	*	*	0.16	0.000	0.030	0.1561	0.0000	0.0000	4.44E-09	0.2461	0.0035	2.96E-08

67	*	*	0.16	0.000	0.000	0.1561	0.0000	0.0000	0.00E+00	0.2461	0.0035	2.96E-08
68	*	*	0.00	0.000	0.022	0.1561	0.0000	0.0000	0.00E+00	0.2461	0.0035	2.96E-08
69	*	*	0.00	0.000	0.027	0.1561	0.0000	0.0000	0.00E+00	0.2461	0.0035	2.96E-08
70		*	0.20	0.133	0.007	0.1696	0.0000	0.0000	0.00E+00	0.2460	0.0035	2.96E-08
71		*	0.02	0.000	0.003	0.1702	0.0000	0.0000	0.00E+00	0.2460	0.0035	2.96E-08
72		*	0.01	0.000	0.003	0.1706	0.0000	0.0000	0.00E+00	0.2460	0.0035	2.96E-08
73	*	*	0.23	0.000	0.017	0.1706	0.0000	0.0000	0.00E+00	0.2460	0.0035	2.96E-08
74	*	*	0.00	0.000	0.019	0.1706	0.0000	0.0000	0.00E+00	0.2460	0.0035	2.96E-08
75	*	*	0.00	0.000	0.023	0.1706	0.0000	0.0000	0.00E+00	0.2459	0.0035	2.95E-08
76	*	*	0.00	0.000	0.017	0.1706	0.0000	0.0000	0.00E+00	0.2459	0.0035	2.95E-08
77	*	*	0.00	0.000	0.040	0.1706	0.0000	0.0000	0.00E+00	0.2459	0.0035	2.95E-08
78	*	*	0.00	0.000	0.020	0.1706	0.0000	0.0000	0.00E+00	0.2459	0.0035	2.95E-08
79	*	*	0.00	0.000	0.005	0.1706	0.0000	0.0000	0.00E+00	0.2459	0.0035	2.95E-08
80	*	*	0.00	0.000	0.013	0.1706	0.0000	0.0000	0.00E+00	0.2458	0.0035	2.95E-08
81	*	*	0.00	0.000	0.033	0.1706	0.0000	0.0000	0.00E+00	0.2458	0.0035	2.95E-08
82	*	*	0.00	0.000	0.009	0.1706	0.0000	0.0000	0.00E+00	0.2458	0.0035	2.95E-08
83	*	*	0.00	0.000	0.006	0.1706	0.0000	0.0000	0.00E+00	0.2458	0.0035	2.95E-08
84	*	*	0.00	0.000	0.029	0.1706	0.0000	0.0000	0.00E+00	0.2458	0.0035	2.95E-08
85		*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2457	0.0035	2.95E-08
86	*	*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2457	0.0035	2.95E-08
87		*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2457	0.0035	2.95E-08
88		*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2457	0.0035	2.95E-08
89		*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2457	0.0035	2.95E-08
90		*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2456	0.0035	2.95E-08
91		*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2456	0.0035	2.95E-08
92		*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2456	0.0035	2.95E-08
93	*	*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2456	0.0035	2.95E-08
94	*	*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2456	0.0035	2.95E-08
95	*	*	0.00	0.000	0.000	0.1706	0.0000	0.0000	0.00E+00	0.2455	0.0035	2.95E-08
96		*	0.02	0.000	0.003	0.1711	0.0000	0.0000	0.00E+00	0.2455	0.0035	2.95E-08
97		*	0.60	0.256	0.003	0.1854	0.0000	0.0000	0.00E+00	0.2455	0.0035	2.95E-08
98		*	0.00	0.000	0.000	0.1854	0.0000	0.0000	0.00E+00	0.2455	0.0035	2.95E-08
99		*	0.18	0.018	0.003	0.1920	0.0000	0.0000	0.00E+00	0.2455	0.0035	2.95E-08
100		*	0.64	0.333	0.003	0.2045	0.0000	0.0000	0.00E+00	0.2454	0.0035	2.95E-08
101		*	0.06	0.000	0.002	0.2068	0.0000	0.0000	0.00E+00	0.2454	0.0035	2.95E-08
102		*	0.00	0.000	0.000	0.2068	0.0000	0.0000	0.00E+00	0.2454	0.0035	2.95E-08
103		*	0.40	0.170	0.002	0.2164	0.0000	0.0000	0.00E+00	0.2454	0.0035	2.95E-08

104	*	*	0.01	0.000	0.006	0.2164	0.0000	0.0000	0.00E+00	0.2454	0.0035	2.95E-08
105	*	*	0.00	0.000	0.000	0.2164	0.0000	0.0000	0.00E+00	0.2453	0.0035	2.95E-08
106	*	*	0.00	0.000	0.000	0.2164	0.0000	0.0000	0.00E+00	0.2453	0.0035	2.95E-08
107	*	*	0.00	0.000	0.000	0.2164	0.0000	0.0000	0.00E+00	0.2453	0.0035	2.95E-08
108		*	0.00	0.000	0.000	0.2164	0.0000	0.0000	0.00E+00	0.2453	0.0035	2.95E-08
109		*	0.87	0.593	0.002	0.2279	0.0000	0.0000	0.00E+00	0.2452	0.0035	2.95E-08
110		*	0.11	0.011	0.002	0.2321	0.0000	0.0000	0.00E+00	0.2452	0.0035	2.95E-08
111		*	0.00	0.000	0.000	0.2321	0.0000	0.0000	0.00E+00	0.2452	0.0035	2.95E-08
112		*	0.00	0.000	0.000	0.2321	0.0000	0.0000	0.00E+00	0.2452	0.0035	2.95E-08
113		*	0.00	0.000	0.000	0.2321	0.0000	0.0000	0.00E+00	0.2452	0.0035	2.95E-08
114		*	0.00	0.000	0.000	0.2321	0.0000	0.0000	0.00E+00	0.2451	0.0035	2.95E-08
115			0.00	0.000	0.195	0.2160	3.4792	0.1897	1.15E-04	0.2452	0.0035	2.95E-08
116			0.72	0.000	0.137	0.2261	6.2348	0.3399	2.05E-04	0.2456	0.0035	2.95E-08
117			0.03	0.000	0.286	0.2027	5.5182	0.3008	1.80E-04	0.2460	0.0035	2.96E-08
118			0.03	0.000	0.115	0.1894	4.2233	0.2302	1.37E-04	0.2464	0.0035	2.96E-08
119			0.61	0.000	0.099	0.2024	3.6892	0.2011	1.19E-04	0.2466	0.0035	2.96E-08
120			0.38	0.000	0.088	0.2068	3.3635	0.1834	1.08E-04	0.2467	0.0035	2.96E-08
121			0.00	0.000	0.210	0.1910	3.0761	0.1677	9.85E-05	0.2469	0.0035	2.97E-08
122			0.15	0.000	0.090	0.1868	2.9875	0.1629	9.56E-05	0.2469	0.0035	2.97E-08
123			0.15	0.000	0.134	0.1808	2.9347	0.1600	9.39E-05	0.2470	0.0035	2.97E-08
124			0.02	0.000	0.218	0.1662	2.7688	0.1509	8.85E-05	0.2470	0.0035	2.97E-08
125			0.23	0.000	0.146	0.1639	2.5557	0.1393	8.15E-05	0.2470	0.0035	2.97E-08
126			0.31	0.000	0.158	0.1650	2.3720	0.1293	7.55E-05	0.2470	0.0035	2.97E-08
127			0.22	0.000	0.226	0.1596	2.1768	0.1187	6.92E-05	0.2470	0.0035	2.97E-08
128			0.01	0.000	0.095	0.1518	1.9209	0.1047	6.09E-05	0.2470	0.0035	2.97E-08
129			0.22	0.000	0.136	0.1515	1.6869	0.0920	5.34E-05	0.2469	0.0035	2.97E-08
130			0.01	0.000	0.153	0.1422	1.5231	0.0830	4.81E-05	0.2468	0.0035	2.96E-08
131			0.01	0.000	0.168	0.1325	1.3564	0.0739	4.28E-05	0.2467	0.0035	2.96E-08
132			0.00	0.000	0.143	0.1238	1.2035	0.0656	3.79E-05	0.2465	0.0035	2.96E-08
133			0.00	0.000	0.207	0.1127	1.0716	0.0584	3.37E-05	0.2464	0.0035	2.96E-08
134			0.08	0.000	0.133	0.1084	0.9640	0.0526	3.03E-05	0.2463	0.0035	2.96E-08
135			0.04	0.000	0.057	0.1058	0.8784	0.0479	2.76E-05	0.2461	0.0035	2.96E-08
136			1.07	0.000	0.044	0.1468	0.7917	0.0432	2.48E-05	0.2460	0.0035	2.96E-08
137			0.00	0.000	0.089	0.1416	0.7026	0.0383	2.20E-05	0.2458	0.0035	2.95E-08
138			0.00	0.000	0.093	0.1363	0.6278	0.0342	1.97E-05	0.2457	0.0035	2.95E-08
139	*		0.15	0.000	0.054	0.1358	0.5550	0.0303	1.74E-05	0.2455	0.0035	2.95E-08
140			0.03	0.000	0.107	0.1348	0.4780	0.0261	1.50E-05	0.2454	0.0035	2.95E-08

141	0.00	0.000	0.239	0.1238	0.4230	0.0231	1.32E-05	0.2452	0.0035	2.95E-08
142	0.09	0.000	0.218	0.1174	0.4422	0.0241	1.38E-05	0.2451	0.0035	2.94E-08
143	0.00	0.000	0.113	0.1115	0.5303	0.0289	1.66E-05	0.2450	0.0035	2.94E-08
144	0.00	0.000	0.131	0.1048	0.5226	0.0285	1.64E-05	0.2448	0.0035	2.94E-08
145	0.09	0.000	0.057	0.1050	0.5087	0.0277	1.59E-05	0.2447	0.0035	2.94E-08
146	0.00	0.000	0.046	0.1021	0.4923	0.0268	1.54E-05	0.2446	0.0035	2.94E-08
147	0.03	0.000	0.041	0.1004	0.4627	0.0252	1.45E-05	0.2445	0.0035	2.94E-08
148	0.00	0.000	0.035	0.0980	0.4274	0.0233	1.34E-05	0.2443	0.0035	2.94E-08
149	0.30	0.000	0.036	0.1081	0.4058	0.0221	1.27E-05	0.2442	0.0035	2.93E-08
150	0.00	0.000	0.033	0.1058	0.3901	0.0213	1.22E-05	0.2441	0.0035	2.93E-08
151	0.33	0.000	0.034	0.1175	0.3735	0.0204	1.17E-05	0.2440	0.0035	2.93E-08
152	0.00	0.000	0.498	0.0959	0.3744	0.0204	1.17E-05	0.2439	0.0035	2.93E-08
153	0.00	0.000	0.028	0.0939	0.3478	0.0190	1.09E-05	0.2438	0.0035	2.93E-08
154	0.01	0.000	0.032	0.0923	0.3170	0.0173	9.90E-06	0.2437	0.0035	2.93E-08
155	0.02	0.000	0.025	0.0915	0.3046	0.0166	9.51E-06	0.2436	0.0035	2.93E-08
156	0.00	0.000	0.023	0.0898	0.2968	0.0162	9.27E-06	0.2435	0.0035	2.93E-08
157	0.00	0.000	0.026	0.0881	0.2882	0.0157	9.00E-06	0.2434	0.0034	2.92E-08
158	0.13	0.000	0.024	0.0918	0.2782	0.0152	8.68E-06	0.2433	0.0034	2.92E-08
159	0.01	0.000	0.023	0.0906	0.2670	0.0146	8.33E-06	0.2433	0.0034	2.92E-08
160	0.00	0.000	0.025	0.0890	0.2543	0.0139	7.93E-06	0.2432	0.0034	2.92E-08
161	0.00	0.000	0.025	0.0874	0.2420	0.0132	7.55E-06	0.2431	0.0034	2.92E-08
162	0.00	0.000	0.019	0.0861	0.2317	0.0126	7.23E-06	0.2430	0.0034	2.92E-08
163	0.00	0.000	0.019	0.0848	0.2197	0.0120	6.86E-06	0.2430	0.0034	2.92E-08
164	0.04	0.000	0.023	0.0850	0.2028	0.0111	6.33E-06	0.2429	0.0034	2.92E-08
165	0.02	0.000	0.020	0.0848	0.1869	0.0102	5.83E-06	0.2428	0.0034	2.92E-08
166	0.07	0.000	0.023	0.0865	0.1731	0.0094	5.40E-06	0.2427	0.0034	2.92E-08
167	0.01	0.000	0.022	0.0857	0.1605	0.0087	5.00E-06	0.2427	0.0034	2.92E-08
168	0.00	0.000	0.021	0.0845	0.1493	0.0081	4.65E-06	0.2426	0.0034	2.91E-08
169	0.00	0.000	0.023	0.0833	0.1397	0.0076	4.35E-06	0.2426	0.0034	2.91E-08
170	0.00	0.000	0.022	0.0821	0.1340	0.0073	4.18E-06	0.2425	0.0034	2.91E-08
171	0.12	0.000	0.030	0.0854	0.1264	0.0069	3.94E-06	0.2424	0.0034	2.91E-08
172	0.00	0.000	0.021	0.0844	0.1153	0.0063	3.59E-06	0.2424	0.0034	2.91E-08
173	0.11	0.000	0.029	0.0873	0.1061	0.0058	3.31E-06	0.2423	0.0034	2.91E-08
174	0.00	0.000	0.029	0.0859	0.0980	0.0053	3.05E-06	0.2423	0.0034	2.91E-08
175	0.00	0.000	0.031	0.0844	0.0899	0.0049	2.80E-06	0.2422	0.0034	2.91E-08
176	0.01	0.000	0.027	0.0835	0.0831	0.0045	2.59E-06	0.2422	0.0034	2.91E-08
177	0.01	0.000	0.035	0.0821	0.0773	0.0042	2.41E-06	0.2421	0.0034	2.91E-08

178	0.00	0.000	0.033	0.0806	0.0713	0.0039	2.22E-06	0.2421	0.0034	2.91E-08
179	0.07	0.000	0.040	0.0815	0.0657	0.0036	2.05E-06	0.2421	0.0034	2.91E-08
180	0.07	0.000	0.038	0.0829	0.0606	0.0033	1.89E-06	0.2420	0.0034	2.91E-08
181	0.00	0.000	0.315	0.0696	0.0593	0.0032	1.85E-06	0.2420	0.0034	2.91E-08
182	0.00	0.000	0.043	0.0677	0.0597	0.0033	1.86E-06	0.2419	0.0034	2.91E-08
183	0.00	0.000	0.037	0.0660	0.0545	0.0030	1.70E-06	0.2419	0.0034	2.91E-08
184	0.06	0.000	0.048	0.0662	0.0503	0.0027	1.56E-06	0.2419	0.0034	2.91E-08
185	0.00	0.000	0.051	0.0639	0.0492	0.0027	1.53E-06	0.2418	0.0034	2.91E-08
186	0.25	0.000	0.062	0.0718	0.0487	0.0027	1.51E-06	0.2418	0.0034	2.90E-08
187	0.00	0.000	0.074	0.0688	0.0402	0.0022	1.25E-06	0.2418	0.0034	2.90E-08
188	0.05	0.000	0.077	0.0675	0.0394	0.0022	1.23E-06	0.2418	0.0034	2.90E-08
189	0.00	0.000	0.320	0.0540	0.0479	0.0026	1.49E-06	0.2417	0.0034	2.90E-08
190	0.07	0.000	0.068	0.0539	0.0565	0.0031	1.76E-06	0.2417	0.0034	2.90E-08
191	0.00	0.000	0.040	0.0522	0.0551	0.0030	1.71E-06	0.2417	0.0034	2.90E-08
192	0.00	0.000	0.090	0.0484	0.0660	0.0036	2.06E-06	0.2417	0.0034	2.90E-08
193	0.36	0.000	0.095	0.0590	0.1143	0.0062	3.56E-06	0.2416	0.0034	2.90E-08
194	0.00	0.000	0.189	0.0509	0.1521	0.0083	4.74E-06	0.2416	0.0034	2.90E-08
195	0.14	0.000	0.064	0.0537	0.1288	0.0070	4.01E-06	0.2416	0.0034	2.90E-08
196	0.00	0.000	0.162	0.0467	0.1226	0.0067	3.82E-06	0.2416	0.0034	2.90E-08
197	0.00	0.000	0.045	0.0445	0.1271	0.0069	3.96E-06	0.2416	0.0034	2.90E-08
198	0.00	0.000	0.089	0.0406	0.0799	0.0044	2.49E-06	0.2416	0.0034	2.90E-08
199	0.00	0.000	0.052	0.0384	0.0132	0.0006	3.61E-07	0.2416	0.0034	2.90E-08
200	0.20	0.000	0.072	0.0439	0.0000	0.0000	0.00E+00	0.2416	0.0034	2.90E-08
201	0.00	0.000	0.148	0.0377	0.0000	0.0000	0.00E+00	0.2415	0.0034	2.90E-08
202	0.00	0.000	0.069	0.0349	0.0000	0.0000	0.00E+00	0.2415	0.0034	2.90E-08
203	0.28	0.000	0.050	0.0444	0.0000	0.0000	0.00E+00	0.2415	0.0034	2.90E-08
204	0.00	0.000	0.081	0.0411	0.0000	0.0000	0.00E+00	0.2415	0.0034	2.90E-08
205	0.00	0.000	0.153	0.0347	0.0000	0.0000	0.00E+00	0.2415	0.0034	2.90E-08
206	0.42	0.000	0.152	0.0457	0.0000	0.0000	0.00E+00	0.2415	0.0034	2.90E-08
207	0.00	0.000	0.137	0.0400	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08
208	0.00	0.000	0.140	0.0342	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08
209	0.00	0.000	0.028	0.0330	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08
210	0.03	0.000	0.032	0.0328	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08
211	0.00	0.000	0.003	0.0326	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08
212	0.06	0.000	0.021	0.0344	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08
213	0.00	0.000	0.013	0.0339	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08
214	0.00	0.000	0.025	0.0329	0.0000	0.0000	0.00E+00	0.2414	0.0034	2.90E-08

215	0.00	0.000	0.005	0.0327	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
216	0.00	0.000	0.004	0.0325	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
217	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
218	0.31	0.000	0.026	0.0442	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
219	0.00	0.000	0.151	0.0379	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
220	0.31	0.000	0.100	0.0466	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
221	0.31	0.000	0.110	0.0549	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
222	0.00	0.000	0.130	0.0494	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
223	0.00	0.000	0.227	0.0400	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
224	0.00	0.000	0.150	0.0337	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
225	0.00	0.000	0.021	0.0328	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
226	0.10	0.000	0.030	0.0359	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
227	0.12	0.000	0.021	0.0400	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
228	0.00	0.000	0.116	0.0351	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
229	0.00	0.000	0.044	0.0333	0.0000	0.0000	0.00E+00	0.2413	0.0034	2.90E-08
230	0.00	0.000	0.009	0.0329	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
231	0.00	0.000	0.009	0.0325	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
232	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
233	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
234	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
235	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
236	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
237	0.03	0.000	0.022	0.0329	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
238	0.96	0.000	0.121	0.0676	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
239	0.08	0.000	0.152	0.0646	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
240	0.26	0.000	0.076	0.0722	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
241	0.00	0.000	0.070	0.0693	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
242	0.00	0.000	0.062	0.0668	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
243	0.02	0.000	0.099	0.0633	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
244	0.00	0.000	0.088	0.0596	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
245	0.00	0.000	0.101	0.0554	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
246	0.00	0.000	0.143	0.0495	0.0000	0.0000	0.00E+00	0.2412	0.0034	2.90E-08
247	0.00	0.000	0.119	0.0445	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
248	0.00	0.000	0.050	0.0424	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
249	0.13	0.000	0.049	0.0457	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
250	0.27	0.000	0.043	0.0552	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
251	0.12	0.000	0.057	0.0579	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08

252		0.04	0.000	0.078	0.0562	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
253		0.18	0.000	0.132	0.0584	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
254		0.02	0.000	0.118	0.0545	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
255		0.00	0.000	0.043	0.0527	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
256		0.00	0.000	0.032	0.0513	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
257		0.00	0.000	0.053	0.0491	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
258		0.40	0.000	0.117	0.0607	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
259		0.00	0.000	0.076	0.0576	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
260		0.00	0.000	0.115	0.0528	0.0000	0.0000	0.00E+00	0.2411	0.0034	2.90E-08
261		0.00	0.000	0.061	0.0502	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.90E-08
262	*	0.00	0.000	0.034	0.0488	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.90E-08
263	*	0.00	0.000	0.000	0.0488	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.90E-08
264	*	0.00	0.000	0.000	0.0488	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.90E-08
265	*	0.00	0.000	0.026	0.0477	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.90E-08
266		0.00	0.000	0.057	0.0454	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.90E-08
267		0.00	0.000	0.038	0.0438	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.89E-08
268	*	0.00	0.000	0.024	0.0427	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.89E-08
269		0.75	0.000	0.045	0.0721	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.89E-08
270		0.32	0.000	0.057	0.0832	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.89E-08
271	*	0.15	0.000	0.034	0.0840	0.0000	0.0000	0.00E+00	0.2410	0.0034	2.89E-08
272	*	0.00	0.000	0.037	0.0848	0.0000	0.0000	0.00E+00	0.2409	0.0034	2.89E-08
273	*	0.00	0.000	0.065	0.0837	0.0000	0.0000	0.00E+00	0.2409	0.0034	2.89E-08
274		0.08	0.000	0.086	0.0834	0.0000	0.0000	0.00E+00	0.2409	0.0034	2.89E-08
275	*	0.54	0.000	0.020	0.0843	0.0000	0.0000	0.00E+00	0.2409	0.0034	2.89E-08
276		0.01	0.000	0.004	0.1055	0.0000	0.0000	0.00E+00	0.2409	0.0034	2.89E-08
277		0.11	0.000	0.046	0.1081	0.0000	0.0000	0.00E+00	0.2409	0.0034	2.89E-08
278		0.15	0.000	0.081	0.1109	0.0163	0.0009	5.13E-07	0.2409	0.0034	2.89E-08
279		0.07	0.000	0.084	0.1102	0.0429	0.0023	1.33E-06	0.2409	0.0034	2.89E-08
280		0.00	0.000	0.047	0.1081	0.0369	0.0020	1.15E-06	0.2409	0.0034	2.89E-08
281		0.21	0.000	0.044	0.1148	0.0318	0.0017	9.92E-07	0.2409	0.0034	2.89E-08
282		0.02	0.000	0.077	0.1123	0.0284	0.0015	8.88E-07	0.2408	0.0034	2.89E-08
283		0.00	0.000	0.101	0.1081	0.0310	0.0017	9.67E-07	0.2408	0.0034	2.89E-08
284		0.00	0.000	0.046	0.1061	0.0267	0.0015	8.34E-07	0.2408	0.0034	2.89E-08
285		0.00	0.000	0.085	0.1025	0.0230	0.0013	7.20E-07	0.2408	0.0034	2.89E-08
286		0.00	0.000	0.048	0.1005	0.0198	0.0011	6.22E-07	0.2408	0.0034	2.89E-08
287		0.00	0.000	0.041	0.0987	0.0327	0.0018	1.02E-06	0.2408	0.0034	2.89E-08
288		0.00	0.000	0.053	0.0964	0.0432	0.0024	1.34E-06	0.2408	0.0034	2.89E-08

289		0.02	0.000	0.050	0.0947	0.0673	0.0037	2.10E-06	0.2408	0.0034	2.89E-08
290	*	0.00	0.000	0.000	0.0945	0.0972	0.0053	3.03E-06	0.2408	0.0034	2.89E-08
291	*	0.00	0.000	0.000	0.0942	0.1336	0.0073	4.16E-06	0.2408	0.0034	2.89E-08
292	*	0.00	0.000	0.000	0.0938	0.1704	0.0093	5.31E-06	0.2408	0.0034	2.89E-08
293	*	0.08	0.000	0.011	0.0942	0.1977	0.0108	6.16E-06	0.2408	0.0034	2.89E-08
294	*	0.02	0.000	0.018	0.0945	0.2152	0.0117	6.71E-06	0.2408	0.0034	2.89E-08
295		0.24	0.000	0.012	0.1054	0.2251	0.0123	7.02E-06	0.2408	0.0034	2.89E-08
296		0.00	0.000	0.109	0.1004	0.2308	0.0126	7.20E-06	0.2408	0.0034	2.89E-08
297		0.00	0.000	0.103	0.0956	0.2195	0.0120	6.85E-06	0.2407	0.0034	2.89E-08
298		0.00	0.000	0.038	0.0935	0.2207	0.0120	6.89E-06	0.2407	0.0034	2.89E-08
299		0.00	0.000	0.095	0.0890	0.2282	0.0124	7.12E-06	0.2407	0.0034	2.89E-08
300		0.00	0.000	0.193	0.0804	0.2502	0.0136	7.81E-06	0.2407	0.0034	2.89E-08
301		0.00	0.000	0.052	0.0777	0.2367	0.0129	7.39E-06	0.2407	0.0034	2.89E-08
302	*	0.00	0.000	0.000	0.0772	0.2117	0.0115	6.60E-06	0.2407	0.0034	2.89E-08
303	*	0.06	0.000	0.026	0.0776	0.1954	0.0107	6.09E-06	0.2407	0.0034	2.89E-08
304		0.02	0.000	0.046	0.0766	0.1791	0.0098	5.59E-06	0.2407	0.0034	2.89E-08
305		0.01	0.000	0.044	0.0747	0.1624	0.0089	5.06E-06	0.2407	0.0034	2.89E-08
306	*	0.00	0.000	0.031	0.0730	0.1494	0.0081	4.66E-06	0.2407	0.0034	2.89E-08
307		0.00	0.000	0.030	0.0715	0.1446	0.0079	4.51E-06	0.2406	0.0034	2.89E-08
308	*	0.00	0.000	0.027	0.0700	0.1383	0.0075	4.31E-06	0.2406	0.0034	2.89E-08
309		0.00	0.000	0.025	0.0687	0.1310	0.0071	4.08E-06	0.2406	0.0034	2.89E-08
310		0.00	0.000	0.023	0.0674	0.1252	0.0068	3.90E-06	0.2406	0.0034	2.89E-08
311		0.00	0.000	0.022	0.0663	0.1129	0.0062	3.52E-06	0.2406	0.0034	2.89E-08
312		0.00	0.000	0.021	0.0652	0.1019	0.0056	3.17E-06	0.2405	0.0034	2.89E-08
313		0.00	0.000	0.020	0.0641	0.0932	0.0051	2.90E-06	0.2405	0.0034	2.89E-08
314		0.00	0.000	0.019	0.0632	0.0862	0.0047	2.68E-06	0.2405	0.0034	2.89E-08
315	*	0.00	0.000	0.000	0.0630	0.0816	0.0044	2.54E-06	0.2405	0.0034	2.89E-08
316	*	0.01	0.000	0.010	0.0630	0.0789	0.0043	2.46E-06	0.2405	0.0034	2.89E-08
317	*	0.00	0.000	0.000	0.0628	0.0761	0.0041	2.37E-06	0.2404	0.0034	2.89E-08
318	*	0.00	0.000	0.000	0.0627	0.0731	0.0040	2.28E-06	0.2404	0.0034	2.89E-08
319	*	0.00	0.000	0.000	0.0625	0.0700	0.0038	2.18E-06	0.2404	0.0034	2.89E-08
320		0.00	0.000	0.018	0.0616	0.0689	0.0038	2.15E-06	0.2404	0.0034	2.89E-08
321		0.00	0.000	0.017	0.0607	0.0681	0.0037	2.12E-06	0.2403	0.0034	2.89E-08
322		0.16	0.000	0.021	0.0664	0.0610	0.0033	1.90E-06	0.2403	0.0034	2.89E-08
323	*	0.28	0.000	0.015	0.0671	0.0556	0.0030	1.73E-06	0.2403	0.0034	2.89E-08
324	*	0.01	0.000	0.005	0.0678	0.0556	0.0030	1.73E-06	0.2403	0.0034	2.89E-08
325	*	0.00	0.000	0.011	0.0685	0.0551	0.0030	1.72E-06	0.2402	0.0034	2.89E-08

326			0.00	0.000	0.022	0.0758	0.0542	0.0030	1.69E-06	0.2402	0.0034	2.89E-08
327			0.00	0.000	0.016	0.0751	0.0507	0.0028	1.58E-06	0.2402	0.0034	2.89E-08
328			0.00	0.000	0.016	0.0743	0.0480	0.0026	1.49E-06	0.2402	0.0034	2.89E-08
329			0.00	0.000	0.015	0.0735	0.0495	0.0027	1.54E-06	0.2401	0.0034	2.88E-08
330	*		0.07	0.000	0.021	0.0743	0.0508	0.0028	1.58E-06	0.2401	0.0034	2.88E-08
331	*		0.09	0.000	0.005	0.0750	0.0499	0.0027	1.55E-06	0.2401	0.0034	2.88E-08
332	*		0.00	0.000	0.006	0.0757	0.0483	0.0026	1.50E-06	0.2401	0.0034	2.88E-08
333	*		0.60	0.000	0.000	0.0764	0.0466	0.0025	1.45E-06	0.2401	0.0034	2.88E-08
334			0.00	0.000	0.000	0.1033	0.0449	0.0024	1.40E-06	0.2400	0.0034	2.88E-08
335			0.00	0.000	0.071	0.1003	0.0451	0.0025	1.40E-06	0.2400	0.0034	2.88E-08
336			0.00	0.000	0.127	0.0949	0.0589	0.0032	1.83E-06	0.2400	0.0034	2.88E-08
337			0.02	0.000	0.054	0.0932	0.0712	0.0039	2.22E-06	0.2400	0.0034	2.88E-08
338			0.00	0.000	0.046	0.0911	0.0722	0.0039	2.25E-06	0.2399	0.0034	2.88E-08
339			0.00	0.000	0.032	0.0896	0.0711	0.0039	2.22E-06	0.2399	0.0034	2.88E-08
340	*		0.00	0.000	0.023	0.0885	0.0678	0.0037	2.11E-06	0.2399	0.0034	2.88E-08
341	*		0.10	0.000	0.023	0.0892	0.0622	0.0034	1.94E-06	0.2399	0.0034	2.88E-08
342	*		0.00	0.000	0.019	0.0899	0.0547	0.0030	1.70E-06	0.2399	0.0034	2.88E-08
343			0.00	0.000	0.029	0.0893	0.0489	0.0027	1.52E-06	0.2398	0.0034	2.88E-08
344	*		0.00	0.000	0.022	0.0883	0.0431	0.0023	1.34E-06	0.2398	0.0034	2.88E-08
345	*		0.00	0.000	0.000	0.0882	0.0371	0.0020	1.16E-06	0.2398	0.0034	2.88E-08
346	*		0.00	0.000	0.000	0.0881	0.0320	0.0017	9.97E-07	0.2398	0.0034	2.88E-08
347	*		0.00	0.000	0.000	0.0881	0.0275	0.0015	8.61E-07	0.2398	0.0034	2.88E-08
348	*		0.00	0.000	0.000	0.0880	0.0237	0.0013	7.43E-07	0.2397	0.0034	2.88E-08
349	*		0.03	0.000	0.021	0.0881	0.0204	0.0011	6.42E-07	0.2397	0.0034	2.88E-08
350	*		0.00	0.000	0.000	0.0881	0.0176	0.0010	5.55E-07	0.2397	0.0034	2.88E-08
351			0.00	0.000	0.036	0.0866	0.0151	0.0008	4.80E-07	0.2397	0.0034	2.88E-08
352			0.14	0.000	0.057	0.0898	0.0165	0.0009	5.22E-07	0.2396	0.0034	2.88E-08
353			0.00	0.000	0.070	0.0869	0.0243	0.0013	7.62E-07	0.2396	0.0034	2.88E-08
354			0.00	0.000	0.048	0.0848	0.0222	0.0012	6.98E-07	0.2396	0.0034	2.88E-08
355	*		0.00	0.000	0.000	0.0848	0.0192	0.0010	6.03E-07	0.2396	0.0034	2.88E-08
356	*		0.00	0.000	0.022	0.0838	0.0165	0.0009	5.21E-07	0.2395	0.0034	2.88E-08
357	*		0.00	0.000	0.000	0.0838	0.0142	0.0008	4.51E-07	0.2395	0.0034	2.88E-08
358	*		0.00	0.000	0.022	0.0829	0.0122	0.0007	3.90E-07	0.2395	0.0034	2.88E-08
359	*		0.00	0.000	0.000	0.0829	0.0112	0.0006	3.60E-07	0.2395	0.0034	2.88E-08
360	*	*	0.02	0.000	0.007	0.0828	0.0109	0.0006	3.48E-07	0.2395	0.0034	2.88E-08
361	*	*	0.00	0.000	0.013	0.0828	0.0094	0.0005	3.01E-07	0.2394	0.0034	2.88E-08
362	*	*	0.00	0.000	0.000	0.0828	0.0081	0.0004	2.61E-07	0.2394	0.0034	2.88E-08

363	*	*	0.20	0.000	0.004	0.0828	0.0069	0.0004	2.27E-07	0.2394	0.0034	2.88E-08
364	*	*	0.27	0.000	0.000	0.0828	0.0060	0.0003	1.97E-07	0.2394	0.0034	2.88E-08
365	*	*	0.00	0.000	0.000	0.0828	0.0051	0.0003	1.72E-07	0.2394	0.0034	2.88E-08

* = Frozen (air or soil)

Annual Totals for Year 20			
	inches	cubic feet	percent
Precipitation	22.00	671,514.3	100.00
Runoff	1.759	53,696.4	8.00
Evapotranspiration	16.009	488,738.7	72.78
Drainage Collected from Layer 2	4.2395	129,424.6	19.27
Percolation/Leakage through Layer 3	0.002482	75.8	0.01
Average Head on Top of Layer 3	0.2125	---	---
Drainage Collected from Layer 5	1.2609	38,494.1	5.73
Percolation/Leakage through Layer 7	0.000011	0.3264	0.00
Average Head on Top of Layer 6	0.2432	---	---
Change in Water Storage	-1.2723	-38,839.8	-5.78
Soil Water at Start of Year	295.3298	9,015,918.0	1342.62
Soil Water at End of Year	293.5994	8,963,089.6	1334.76
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.4582	13,988.6	2.08
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 21

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.021	0.0827	0.0038	0.0002	1.31E-07	0.2393	0.0034	2.87E-08
2		*	0.00	0.028	0.000	0.0998	0.0033	0.0002	1.15E-07	0.2393	0.0034	2.87E-08
3	*	*	0.00	0.000	0.000	0.0998	0.0028	0.0002	1.01E-07	0.2393	0.0034	2.87E-08
4		*	0.00	0.000	0.000	0.0998	0.0024	0.0001	8.87E-08	0.2393	0.0034	2.87E-08
5	*	*	0.00	0.000	0.000	0.0998	0.0021	0.0001	7.84E-08	0.2392	0.0034	2.87E-08
6		*	0.00	0.000	0.000	0.0998	0.0018	0.0001	6.92E-08	0.2392	0.0034	2.87E-08
7	*	*	0.00	0.000	0.000	0.0998	0.0016	0.0001	6.15E-08	0.2392	0.0034	2.87E-08
8		*	0.00	0.000	0.000	0.0998	0.0013	0.0001	5.49E-08	0.2392	0.0034	2.87E-08
9	*	*	0.04	0.000	0.013	0.0998	0.0012	0.0001	4.91E-08	0.2391	0.0034	2.87E-08
10	*	*	0.01	0.000	0.006	0.0998	0.0010	0.0001	4.42E-08	0.2391	0.0034	2.87E-08
11	*	*	0.00	0.000	0.026	0.0998	0.0009	0.0000	4.00E-08	0.2391	0.0034	2.87E-08
12	*	*	0.00	0.000	0.008	0.0998	0.0007	0.0000	3.63E-08	0.2391	0.0034	2.87E-08
13	*	*	0.00	0.000	0.000	0.0998	0.0006	0.0000	3.31E-08	0.2391	0.0034	2.87E-08
14	*	*	0.02	0.000	0.011	0.0997	0.0005	0.0000	3.04E-08	0.2390	0.0034	2.87E-08
15	*	*	0.13	0.000	0.010	0.0997	0.0005	0.0000	2.81E-08	0.2390	0.0034	2.87E-08
16	*	*	0.00	0.000	0.009	0.0997	0.0004	0.0000	2.61E-08	0.2390	0.0034	2.87E-08
17	*	*	0.00	0.000	0.022	0.0997	0.0003	0.0000	2.44E-08	0.2390	0.0034	2.87E-08
18	*	*	0.00	0.000	0.026	0.0997	0.0003	0.0000	2.29E-08	0.2390	0.0034	2.87E-08
19	*	*	0.00	0.000	0.023	0.0997	0.0003	0.0000	2.16E-08	0.2390	0.0034	2.87E-08
20	*	*	0.00	0.000	0.016	0.0997	0.0002	0.0000	2.05E-08	0.2389	0.0034	2.87E-08
21	*	*	0.00	0.000	0.012	0.0997	0.0002	0.0000	1.95E-08	0.2389	0.0034	2.87E-08
22	*	*	0.08	0.000	0.011	0.0997	0.0002	0.0000	1.87E-08	0.2389	0.0034	2.87E-08
23	*	*	0.09	0.000	0.000	0.0997	0.0001	0.0000	1.80E-08	0.2389	0.0034	2.87E-08
24		*	0.13	0.011	0.000	0.1124	0.0001	0.0000	1.74E-08	0.2389	0.0034	2.87E-08
25		*	0.01	0.000	0.002	0.1127	0.0001	0.0000	1.69E-08	0.2388	0.0034	2.87E-08
26	*	*	0.02	0.000	0.013	0.1127	0.0001	0.0000	1.64E-08	0.2388	0.0034	2.87E-08
27	*	*	0.00	0.000	0.011	0.1127	0.0001	0.0000	1.60E-08	0.2388	0.0034	2.87E-08
28	*	*	0.02	0.000	0.011	0.1127	0.0001	0.0000	1.57E-08	0.2388	0.0034	2.87E-08
29	*	*	0.00	0.000	0.009	0.1127	0.0001	0.0000	1.54E-08	0.2388	0.0034	2.87E-08

30	*	*	0.00	0.000	0.002	0.1127	0.0000	0.0000	1.51E-08	0.2387	0.0034	2.87E-08
31	*	*	0.00	0.000	0.000	0.1127	0.0000	0.0000	1.49E-08	0.2387	0.0034	2.87E-08
32	*	*	0.00	0.000	0.000	0.1127	0.0000	0.0000	1.47E-08	0.2387	0.0034	2.87E-08
33		*	0.00	0.000	0.000	0.1127	0.0000	0.0000	1.46E-08	0.2387	0.0034	2.87E-08
34	*	*	0.00	0.000	0.000	0.1127	0.0000	0.0000	1.44E-08	0.2387	0.0034	2.87E-08
35	*	*	0.02	0.000	0.024	0.1127	0.0000	0.0000	1.43E-08	0.2386	0.0034	2.87E-08
36	*	*	0.15	0.000	0.020	0.1127	0.0000	0.0000	1.42E-08	0.2386	0.0034	2.87E-08
37		*	0.00	0.000	0.031	0.1169	0.0000	0.0000	1.41E-08	0.2386	0.0034	2.87E-08
38		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.41E-08	0.2386	0.0034	2.87E-08
39	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.40E-08	0.2386	0.0034	2.87E-08
40	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.39E-08	0.2385	0.0034	2.87E-08
41	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.39E-08	0.2385	0.0034	2.87E-08
42		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.39E-08	0.2385	0.0034	2.87E-08
43		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.38E-08	0.2385	0.0034	2.86E-08
44	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.38E-08	0.2385	0.0034	2.86E-08
45		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.38E-08	0.2385	0.0034	2.86E-08
46		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.37E-08	0.2384	0.0034	2.86E-08
47		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.37E-08	0.2384	0.0034	2.86E-08
48		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.37E-08	0.2384	0.0034	2.86E-08
49		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.37E-08	0.2384	0.0034	2.86E-08
50		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.37E-08	0.2384	0.0034	2.86E-08
51	*	*	0.01	0.000	0.008	0.1169	0.0000	0.0000	1.37E-08	0.2383	0.0034	2.86E-08
52	*	*	0.01	0.000	0.014	0.1169	0.0000	0.0000	1.37E-08	0.2383	0.0034	2.86E-08
53	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2383	0.0034	2.86E-08
54	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2383	0.0034	2.86E-08
55		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2383	0.0034	2.86E-08
56		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2382	0.0034	2.86E-08
57		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2382	0.0034	2.86E-08
58		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2382	0.0034	2.86E-08
59	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2382	0.0034	2.86E-08
60	*	*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2382	0.0034	2.86E-08
61		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2381	0.0034	2.86E-08
62		*	0.00	0.000	0.000	0.1169	0.0000	0.0000	1.36E-08	0.2381	0.0034	2.86E-08
63	*	*	0.08	0.000	0.031	0.1169	0.0000	0.0000	1.36E-08	0.2381	0.0034	2.86E-08
64	*	*	0.05	0.000	0.035	0.1169	0.0000	0.0000	1.36E-08	0.2381	0.0034	2.86E-08
65	*	*	0.00	0.000	0.027	0.1169	0.0000	0.0000	1.19E-08	0.2381	0.0034	2.86E-08
66	*	*	0.00	0.000	0.018	0.1169	0.0000	0.0000	0.00E+00	0.2380	0.0034	2.86E-08

67	*	*	0.25	0.000	0.003	0.1169	0.0000	0.0000	0.00E+00	0.2380	0.0034	2.86E-08
68	*	*	0.00	0.000	0.005	0.1169	0.0000	0.0000	0.00E+00	0.2380	0.0034	2.86E-08
69	*	*	0.00	0.000	0.024	0.1169	0.0000	0.0000	0.00E+00	0.2380	0.0034	2.86E-08
70		*	0.02	0.000	0.000	0.1206	0.0000	0.0000	0.00E+00	0.2380	0.0034	2.86E-08
71		*	0.25	0.058	0.029	0.1346	0.0000	0.0000	0.00E+00	0.2380	0.0034	2.86E-08
72		*	0.91	0.390	0.002	0.1562	0.0000	0.0000	0.00E+00	0.2379	0.0034	2.86E-08
73		*	0.01	0.000	0.002	0.1567	0.0000	0.0000	0.00E+00	0.2379	0.0034	2.86E-08
74		*	0.00	0.000	0.000	0.1567	0.0000	0.0000	0.00E+00	0.2379	0.0034	2.86E-08
75		*	0.00	0.000	0.000	0.1567	0.0000	0.0000	0.00E+00	0.2379	0.0034	2.86E-08
76	*	*	0.00	0.000	0.000	0.1567	0.0000	0.0000	0.00E+00	0.2379	0.0034	2.86E-08
77	*	*	0.00	0.000	0.000	0.1567	0.0000	0.0000	0.00E+00	0.2378	0.0034	2.86E-08
78		*	0.11	0.000	0.002	0.1611	0.0000	0.0000	0.00E+00	0.2378	0.0034	2.86E-08
79		*	0.00	0.000	0.000	0.1611	0.0000	0.0000	0.00E+00	0.2378	0.0034	2.86E-08
80		*	0.00	0.000	0.000	0.1611	0.0000	0.0000	0.00E+00	0.2378	0.0034	2.86E-08
81		*	0.09	0.000	0.002	0.1647	0.0000	0.0000	0.00E+00	0.2378	0.0034	2.86E-08
82	*	*	0.00	0.000	0.000	0.1647	0.0000	0.0000	0.00E+00	0.2377	0.0034	2.86E-08
83	*	*	0.00	0.000	0.000	0.1647	0.0000	0.0000	0.00E+00	0.2377	0.0034	2.86E-08
84	*	*	0.00	0.000	0.000	0.1647	0.0000	0.0000	0.00E+00	0.2377	0.0034	2.86E-08
85	*	*	0.00	0.000	0.000	0.1647	0.0000	0.0000	0.00E+00	0.2377	0.0034	2.85E-08
86	*	*	0.00	0.000	0.000	0.1647	0.0000	0.0000	0.00E+00	0.2377	0.0034	2.85E-08
87	*	*	0.13	0.000	0.031	0.1647	0.0000	0.0000	0.00E+00	0.2376	0.0034	2.85E-08
88	*	*	0.00	0.000	0.020	0.1647	0.0000	0.0000	0.00E+00	0.2376	0.0034	2.85E-08
89	*	*	0.00	0.000	0.067	0.1647	0.0000	0.0000	0.00E+00	0.2376	0.0034	2.85E-08
90	*	*	0.00	0.000	0.013	0.1647	0.0000	0.0000	0.00E+00	0.2376	0.0034	2.85E-08
91		*	0.27	0.040	0.002	0.1744	0.0000	0.0000	0.00E+00	0.2376	0.0034	2.85E-08
92	*	*	0.01	0.000	0.011	0.1744	0.0000	0.0000	0.00E+00	0.2375	0.0034	2.85E-08
93	*	*	0.03	0.000	0.017	0.1744	0.0000	0.0000	0.00E+00	0.2375	0.0034	2.85E-08
94	*	*	0.14	0.000	0.069	0.1744	0.0000	0.0000	0.00E+00	0.2375	0.0034	2.85E-08
95		*	0.00	0.000	0.084	0.1744	0.0000	0.0000	0.00E+00	0.2375	0.0034	2.85E-08
96		*	0.23	0.031	0.002	0.1828	0.0000	0.0000	0.00E+00	0.2375	0.0034	2.85E-08
97		*	0.06	0.000	0.002	0.1851	0.0000	0.0000	0.00E+00	0.2374	0.0034	2.85E-08
98		*	0.00	0.000	0.000	0.1851	0.0000	0.0000	0.00E+00	0.2374	0.0034	2.85E-08
99		*	0.00	0.000	0.000	0.1851	0.0000	0.0000	0.00E+00	0.2374	0.0034	2.85E-08
100		*	0.00	0.000	0.000	0.1851	0.0000	0.0000	0.00E+00	0.2374	0.0034	2.85E-08
101		*	0.04	0.000	0.002	0.1865	0.0000	0.0000	0.00E+00	0.2374	0.0034	2.85E-08
102		*	0.21	0.030	0.002	0.1940	0.0000	0.0000	0.00E+00	0.2373	0.0034	2.85E-08
103		*	0.00	0.000	0.000	0.1940	0.0000	0.0000	0.00E+00	0.2373	0.0034	2.85E-08

104		*	0.00	0.000	0.000	0.1940	0.0000	0.0000	0.00E+00	0.2373	0.0034	2.85E-08
105		*	0.00	0.000	0.000	0.1940	0.0000	0.0000	0.00E+00	0.2373	0.0034	2.85E-08
106		*	0.14	0.010	0.002	0.1995	0.0000	0.0000	0.00E+00	0.2373	0.0034	2.85E-08
107		*	0.00	0.000	0.000	0.1995	0.0000	0.0000	0.00E+00	0.2372	0.0034	2.85E-08
108	*	*	0.00	0.000	0.000	0.1995	0.0000	0.0000	0.00E+00	0.2372	0.0034	2.85E-08
109		*	0.00	0.000	0.000	0.1995	0.0000	0.0000	0.00E+00	0.2372	0.0034	2.85E-08
110		*	0.00	0.000	0.000	0.1995	0.0000	0.0000	0.00E+00	0.2372	0.0034	2.85E-08
111			0.00	0.000	0.102	0.1914	1.6893	0.0921	5.46E-05	0.2372	0.0034	2.85E-08
112			0.00	0.000	0.090	0.1789	3.8550	0.2101	1.24E-04	0.2374	0.0034	2.85E-08
113			0.00	0.000	0.306	0.1582	3.4871	0.1901	1.12E-04	0.2377	0.0034	2.85E-08
114			0.00	0.000	0.232	0.1415	3.1046	0.1692	9.95E-05	0.2379	0.0034	2.86E-08
115			0.00	0.000	0.131	0.1299	2.7490	0.1499	8.78E-05	0.2380	0.0034	2.86E-08
116	*		0.48	0.000	0.027	0.1251	2.4774	0.1350	7.90E-05	0.2382	0.0034	2.86E-08
117	*		0.01	0.000	0.032	0.1208	2.2566	0.1230	7.18E-05	0.2383	0.0034	2.86E-08
118	*		0.35	0.000	0.035	0.1170	2.0409	0.1113	6.48E-05	0.2383	0.0034	2.86E-08
119			0.00	0.000	0.036	0.1181	1.8336	0.1000	5.81E-05	0.2384	0.0034	2.86E-08
120			0.13	0.000	0.024	0.1404	1.6409	0.0894	5.19E-05	0.2384	0.0034	2.86E-08
121			0.18	0.000	0.152	0.1381	1.4717	0.0802	4.65E-05	0.2384	0.0034	2.86E-08
122	*		0.04	0.000	0.053	0.1344	1.3075	0.0713	4.12E-05	0.2383	0.0034	2.86E-08
123			0.00	0.000	0.151	0.1255	1.1612	0.0633	3.66E-05	0.2383	0.0034	2.86E-08
124			0.17	0.000	0.154	0.1237	1.0368	0.0565	3.26E-05	0.2382	0.0034	2.86E-08
125			0.00	0.000	0.193	0.1135	0.9195	0.0501	2.89E-05	0.2382	0.0034	2.86E-08
126	*		0.00	0.000	0.128	0.1063	0.8206	0.0447	2.58E-05	0.2381	0.0034	2.86E-08
127	*		0.00	0.000	0.068	0.1019	0.7196	0.0392	2.26E-05	0.2380	0.0034	2.86E-08
128			0.00	0.000	0.130	0.0950	0.6452	0.0352	2.02E-05	0.2379	0.0034	2.86E-08
129			0.20	0.000	0.055	0.0998	0.5958	0.0325	1.87E-05	0.2378	0.0034	2.86E-08
130			0.00	0.000	0.042	0.0969	0.5477	0.0299	1.71E-05	0.2377	0.0034	2.86E-08
131			0.00	0.000	0.035	0.0943	0.4927	0.0269	1.54E-05	0.2376	0.0034	2.85E-08
132			0.00	0.000	0.031	0.0920	0.4466	0.0243	1.40E-05	0.2375	0.0034	2.85E-08
133			0.00	0.000	0.028	0.0899	0.4030	0.0220	1.26E-05	0.2374	0.0034	2.85E-08
134			0.36	0.000	0.027	0.1028	0.3570	0.0195	1.12E-05	0.2373	0.0034	2.85E-08
135			0.01	0.000	0.201	0.0940	0.3135	0.0171	9.79E-06	0.2372	0.0034	2.85E-08
136			0.29	0.000	0.144	0.0996	0.2729	0.0149	8.52E-06	0.2371	0.0034	2.85E-08
137			0.00	0.000	0.190	0.0911	0.2431	0.0133	7.59E-06	0.2370	0.0034	2.85E-08
138			0.37	0.000	0.080	0.1026	0.2238	0.0122	6.98E-06	0.2369	0.0034	2.85E-08
139	*		0.70	0.000	0.052	0.1029	0.2181	0.0119	6.81E-06	0.2368	0.0034	2.84E-08
140			0.06	0.000	0.044	0.1295	0.2138	0.0117	6.67E-06	0.2367	0.0034	2.84E-08

141	0.01	0.000	0.235	0.1196	0.2040	0.0111	6.36E-06	0.2366	0.0034	2.84E-08
142	0.00	0.000	0.141	0.1133	0.2012	0.0110	6.27E-06	0.2366	0.0034	2.84E-08
143	0.00	0.000	0.206	0.1043	0.1920	0.0105	5.99E-06	0.2365	0.0034	2.84E-08
144	0.00	0.000	0.132	0.0984	0.1825	0.0099	5.69E-06	0.2364	0.0033	2.84E-08
145	0.00	0.000	0.055	0.0957	0.1713	0.0093	5.34E-06	0.2363	0.0033	2.84E-08
146	0.00	0.000	0.044	0.0935	0.1579	0.0086	4.92E-06	0.2362	0.0033	2.84E-08
147	0.00	0.000	0.037	0.0916	0.1450	0.0079	4.52E-06	0.2362	0.0033	2.84E-08
148	0.24	0.000	0.036	0.1000	0.1314	0.0072	4.09E-06	0.2361	0.0033	2.84E-08
149	0.18	0.000	0.032	0.1060	0.1202	0.0066	3.74E-06	0.2360	0.0033	2.83E-08
150	0.00	0.000	0.352	0.0910	0.1141	0.0062	3.55E-06	0.2360	0.0033	2.83E-08
151	0.04	0.000	0.033	0.0910	0.1021	0.0056	3.18E-06	0.2359	0.0033	2.83E-08
152	0.00	0.000	0.032	0.0895	0.0876	0.0048	2.73E-06	0.2358	0.0033	2.83E-08
153	0.00	0.000	0.027	0.0884	0.0749	0.0041	2.33E-06	0.2358	0.0033	2.83E-08
154	0.00	0.000	0.024	0.0872	0.0643	0.0035	2.00E-06	0.2357	0.0033	2.83E-08
155	0.00	0.000	0.028	0.0859	0.0549	0.0030	1.71E-06	0.2356	0.0033	2.83E-08
156	0.00	0.000	0.029	0.0846	0.0466	0.0025	1.45E-06	0.2356	0.0033	2.83E-08
157	0.15	0.000	0.024	0.0900	0.0399	0.0022	1.24E-06	0.2355	0.0033	2.83E-08
158	0.00	0.000	0.022	0.0890	0.0362	0.0020	1.13E-06	0.2355	0.0033	2.83E-08
159	0.00	0.000	0.020	0.0881	0.0334	0.0018	1.04E-06	0.2354	0.0033	2.83E-08
160	0.21	0.000	0.021	0.0959	0.0385	0.0021	1.20E-06	0.2354	0.0033	2.83E-08
161	0.31	0.000	0.021	0.1076	0.0459	0.0025	1.43E-06	0.2353	0.0033	2.83E-08
162	0.75	0.000	0.133	0.1333	0.0576	0.0031	1.79E-06	0.2353	0.0033	2.83E-08
163	0.02	0.000	0.317	0.1209	0.0647	0.0035	2.01E-06	0.2352	0.0033	2.83E-08
164	0.12	0.000	0.274	0.1141	0.0648	0.0035	2.02E-06	0.2352	0.0033	2.82E-08
165	0.12	0.000	0.316	0.1057	0.0835	0.0046	2.60E-06	0.2351	0.0033	2.82E-08
166	0.17	0.000	0.143	0.1068	0.0889	0.0048	2.77E-06	0.2351	0.0033	2.82E-08
167	0.00	0.000	0.069	0.1037	0.0957	0.0052	2.98E-06	0.2351	0.0033	2.82E-08
168	0.00	0.000	0.058	0.1011	0.0961	0.0052	2.99E-06	0.2350	0.0033	2.82E-08
169	0.00	0.000	0.044	0.0991	0.0854	0.0047	2.66E-06	0.2350	0.0033	2.82E-08
170	0.47	0.000	0.051	0.1166	0.0725	0.0040	2.26E-06	0.2350	0.0033	2.82E-08
171	0.00	0.000	0.346	0.1020	0.0748	0.0041	2.33E-06	0.2350	0.0033	2.82E-08
172	0.00	0.000	0.046	0.0999	0.0776	0.0042	2.42E-06	0.2349	0.0033	2.82E-08
173	0.00	0.000	0.051	0.0976	0.0650	0.0035	2.02E-06	0.2349	0.0033	2.82E-08
174	0.00	0.000	0.052	0.0953	0.0539	0.0029	1.68E-06	0.2349	0.0033	2.82E-08
175	0.08	0.000	0.050	0.0965	0.0530	0.0029	1.65E-06	0.2348	0.0033	2.82E-08
176	0.02	0.000	0.053	0.0949	0.0651	0.0035	2.03E-06	0.2348	0.0033	2.82E-08
177	0.01	0.000	0.053	0.0929	0.0818	0.0045	2.55E-06	0.2348	0.0033	2.82E-08

178	0.72	0.000	0.037	0.1211	0.1029	0.0056	3.20E-06	0.2348	0.0033	2.82E-08
179	0.02	0.000	0.143	0.1156	0.1171	0.0064	3.65E-06	0.2347	0.0033	2.82E-08
180	0.76	0.000	0.254	0.1363	0.1091	0.0059	3.40E-06	0.2347	0.0033	2.82E-08
181	0.01	0.000	0.303	0.1239	0.1127	0.0061	3.51E-06	0.2347	0.0033	2.82E-08
182	0.00	0.000	0.328	0.1099	0.1270	0.0069	3.96E-06	0.2347	0.0033	2.82E-08
183	0.01	0.000	0.154	0.1036	0.1365	0.0074	4.25E-06	0.2347	0.0033	2.82E-08
184	0.55	0.000	0.111	0.1216	0.1339	0.0073	4.17E-06	0.2347	0.0033	2.82E-08
185	0.17	0.000	0.306	0.1155	0.1203	0.0066	3.75E-06	0.2346	0.0033	2.82E-08
186	0.03	0.000	0.134	0.1110	0.1119	0.0061	3.49E-06	0.2346	0.0033	2.82E-08
187	0.27	0.000	0.114	0.1174	0.0963	0.0052	3.00E-06	0.2346	0.0033	2.82E-08
188	0.09	0.000	0.118	0.1160	0.0962	0.0052	3.00E-06	0.2346	0.0033	2.82E-08
189	0.05	0.000	0.149	0.1115	0.1162	0.0063	3.62E-06	0.2346	0.0033	2.82E-08
190	0.93	0.000	0.282	0.1379	0.1398	0.0076	4.36E-06	0.2346	0.0033	2.82E-08
191	0.35	0.000	0.134	0.1466	0.1609	0.0088	5.02E-06	0.2345	0.0033	2.82E-08
192	0.74	0.000	0.365	0.1619	0.1713	0.0093	5.34E-06	0.2345	0.0033	2.82E-08
193	0.28	0.000	0.149	0.1669	0.2706	0.0147	8.45E-06	0.2345	0.0033	2.82E-08
194	0.53	0.000	0.358	0.1717	0.9583	0.0522	3.01E-05	0.2345	0.0033	2.82E-08
195	0.00	0.000	0.350	0.1549	0.9836	0.0536	3.09E-05	0.2346	0.0033	2.82E-08
196	0.37	0.000	0.366	0.1525	1.0419	0.0568	3.28E-05	0.2346	0.0033	2.82E-08
197	0.00	0.000	0.345	0.1354	1.1717	0.0639	3.69E-05	0.2347	0.0033	2.82E-08
198	0.00	0.000	0.172	0.1255	1.2295	0.0670	3.88E-05	0.2347	0.0033	2.82E-08
199	0.00	0.000	0.108	0.1182	1.2499	0.0681	3.94E-05	0.2348	0.0033	2.82E-08
200	0.00	0.000	0.084	0.1120	1.1687	0.0637	3.68E-05	0.2348	0.0033	2.82E-08
201	0.78	0.000	0.066	0.1392	1.0515	0.0573	3.31E-05	0.2349	0.0033	2.82E-08
202	0.44	0.000	0.265	0.1442	0.9567	0.0522	3.01E-05	0.2349	0.0033	2.82E-08
203	0.00	0.000	0.245	0.1319	0.8972	0.0489	2.82E-05	0.2349	0.0033	2.82E-08
204	0.00	0.000	0.285	0.1182	0.8064	0.0440	2.53E-05	0.2349	0.0033	2.82E-08
205	0.07	0.000	0.287	0.1075	0.7463	0.0407	2.34E-05	0.2349	0.0033	2.82E-08
206	0.03	0.000	0.123	0.1021	0.7040	0.0384	2.21E-05	0.2349	0.0033	2.82E-08
207	0.17	0.000	0.164	0.1008	0.6691	0.0365	2.10E-05	0.2349	0.0033	2.82E-08
208	0.00	0.000	0.125	0.0942	0.6168	0.0336	1.93E-05	0.2348	0.0033	2.82E-08
209	0.06	0.000	0.086	0.0918	0.5609	0.0306	1.76E-05	0.2348	0.0033	2.82E-08
210	0.00	0.000	0.140	0.0848	0.4972	0.0271	1.56E-05	0.2348	0.0033	2.82E-08
211	0.00	0.000	0.124	0.0787	0.4393	0.0239	1.37E-05	0.2347	0.0033	2.82E-08
212	0.49	0.000	0.170	0.0912	0.3957	0.0216	1.24E-05	0.2347	0.0033	2.82E-08
213	0.11	0.000	0.239	0.0850	0.3385	0.0184	1.06E-05	0.2347	0.0033	2.82E-08
214	0.00	0.000	0.192	0.0764	0.2894	0.0158	9.04E-06	0.2346	0.0033	2.82E-08

215	0.25	0.000	0.119	0.0811	0.2489	0.0136	7.77E-06	0.2346	0.0033	2.82E-08
216	0.00	0.000	0.255	0.0700	0.2157	0.0118	6.73E-06	0.2345	0.0033	2.82E-08
217	0.00	0.000	0.193	0.0615	0.2043	0.0111	6.37E-06	0.2344	0.0033	2.82E-08
218	0.00	0.000	0.182	0.0534	0.2230	0.0122	6.96E-06	0.2344	0.0033	2.82E-08
219	0.00	0.000	0.192	0.0447	0.3164	0.0172	9.88E-06	0.2344	0.0033	2.81E-08
220	0.00	0.000	0.114	0.0393	0.2657	0.0145	8.29E-06	0.2343	0.0033	2.81E-08
221	0.00	0.000	0.083	0.0357	0.0665	0.0032	1.84E-06	0.2343	0.0033	2.81E-08
222	0.00	0.000	0.027	0.0346	0.0000	0.0000	0.00E+00	0.2342	0.0033	2.81E-08
223	0.00	0.000	0.027	0.0335	0.0000	0.0000	0.00E+00	0.2341	0.0033	2.81E-08
224	0.00	0.000	0.024	0.0325	0.0000	0.0000	0.00E+00	0.2341	0.0033	2.81E-08
225	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2340	0.0033	2.81E-08
226	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2340	0.0033	2.81E-08
227	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2339	0.0033	2.81E-08
228	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2339	0.0033	2.81E-08
229	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2338	0.0033	2.81E-08
230	0.27	0.000	0.019	0.0430	0.0000	0.0000	0.00E+00	0.2338	0.0033	2.81E-08
231	0.00	0.000	0.048	0.0410	0.0000	0.0000	0.00E+00	0.2338	0.0033	2.81E-08
232	1.04	0.000	0.053	0.0822	0.0000	0.0000	0.00E+00	0.2337	0.0033	2.81E-08
233	0.00	0.000	0.191	0.0743	0.0000	0.0000	0.00E+00	0.2337	0.0033	2.81E-08
234	0.00	0.000	0.173	0.0671	0.0000	0.0000	0.00E+00	0.2336	0.0033	2.81E-08
235	0.00	0.000	0.212	0.0582	0.0000	0.0000	0.00E+00	0.2336	0.0033	2.81E-08
236	0.06	0.000	0.112	0.0560	0.0000	0.0000	0.00E+00	0.2336	0.0033	2.81E-08
237	0.00	0.000	0.119	0.0510	0.0000	0.0000	0.00E+00	0.2335	0.0033	2.80E-08
238	0.00	0.000	0.149	0.0448	0.0000	0.0000	0.00E+00	0.2335	0.0033	2.80E-08
239	0.00	0.000	0.086	0.0412	0.0000	0.0000	0.00E+00	0.2335	0.0033	2.80E-08
240	0.08	0.000	0.085	0.0410	0.0000	0.0000	0.00E+00	0.2334	0.0033	2.80E-08
241	0.26	0.000	0.066	0.0491	0.0000	0.0000	0.00E+00	0.2334	0.0033	2.80E-08
242	0.00	0.000	0.083	0.0457	0.0000	0.0000	0.00E+00	0.2334	0.0033	2.80E-08
243	0.00	0.000	0.052	0.0436	0.0000	0.0000	0.00E+00	0.2334	0.0033	2.80E-08
244	0.05	0.000	0.067	0.0429	0.0000	0.0000	0.00E+00	0.2333	0.0033	2.80E-08
245	0.02	0.000	0.043	0.0420	0.0000	0.0000	0.00E+00	0.2333	0.0033	2.80E-08
246	0.06	0.000	0.041	0.0428	0.0000	0.0000	0.00E+00	0.2333	0.0033	2.80E-08
247	0.00	0.000	0.021	0.0419	0.0000	0.0000	0.00E+00	0.2333	0.0033	2.80E-08
248	0.00	0.000	0.023	0.0410	0.0000	0.0000	0.00E+00	0.2333	0.0033	2.80E-08
249	0.02	0.000	0.034	0.0402	0.0000	0.0000	0.00E+00	0.2332	0.0033	2.80E-08
250	0.05	0.000	0.029	0.0410	0.0000	0.0000	0.00E+00	0.2332	0.0033	2.80E-08
251	0.02	0.000	0.028	0.0407	0.0000	0.0000	0.00E+00	0.2332	0.0033	2.80E-08

252		0.19	0.000	0.027	0.0475	0.0000	0.0000	0.00E+00	0.2332	0.0033	2.80E-08
253		0.84	0.000	0.043	0.0808	0.0000	0.0000	0.00E+00	0.2332	0.0033	2.80E-08
254		0.20	0.000	0.042	0.0875	0.0000	0.0000	0.00E+00	0.2331	0.0033	2.80E-08
255		0.16	0.000	0.145	0.0882	0.0000	0.0000	0.00E+00	0.2331	0.0033	2.80E-08
256		0.00	0.000	0.117	0.0834	0.0000	0.0000	0.00E+00	0.2331	0.0033	2.80E-08
257		0.00	0.000	0.127	0.0781	0.0000	0.0000	0.00E+00	0.2331	0.0033	2.80E-08
258		0.00	0.000	0.062	0.0755	0.0000	0.0000	0.00E+00	0.2331	0.0033	2.80E-08
259		0.00	0.000	0.091	0.0717	0.0000	0.0000	0.00E+00	0.2331	0.0033	2.80E-08
260		0.00	0.000	0.086	0.0681	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
261		0.00	0.000	0.098	0.0640	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
262		0.09	0.000	0.058	0.0652	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
263		1.03	0.000	0.079	0.1048	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
264		0.25	0.000	0.073	0.1122	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
265		0.11	0.000	0.062	0.1142	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
266		0.00	0.000	0.062	0.1116	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
267		0.00	0.000	0.122	0.1065	0.0000	0.0000	0.00E+00	0.2330	0.0033	2.80E-08
268		0.00	0.000	0.097	0.1024	0.0000	0.0000	0.00E+00	0.2329	0.0033	2.80E-08
269		0.00	0.000	0.240	0.0924	0.0000	0.0000	0.00E+00	0.2329	0.0033	2.80E-08
270		0.00	0.000	0.137	0.0867	0.0000	0.0000	0.00E+00	0.2329	0.0033	2.80E-08
271		0.00	0.000	0.129	0.0813	0.0000	0.0000	0.00E+00	0.2329	0.0033	2.80E-08
272		0.19	0.000	0.068	0.0865	0.0016	0.0001	5.28E-08	0.2329	0.0033	2.80E-08
273		0.17	0.000	0.051	0.0912	0.0504	0.0027	1.57E-06	0.2329	0.0033	2.80E-08
274	*	0.03	0.000	0.031	0.0909	0.1121	0.0061	3.49E-06	0.2329	0.0033	2.80E-08
275		0.06	0.000	0.066	0.0903	0.1517	0.0083	4.73E-06	0.2329	0.0033	2.80E-08
276	*	0.13	0.000	0.036	0.0908	0.1780	0.0097	5.55E-06	0.2329	0.0033	2.80E-08
277		1.49	0.000	0.000	0.1558	0.1966	0.0107	6.13E-06	0.2329	0.0033	2.80E-08
278		0.02	0.000	0.085	0.1525	0.1851	0.0101	5.77E-06	0.2329	0.0033	2.80E-08
279		0.13	0.000	0.051	0.1547	0.5224	0.0285	1.64E-05	0.2329	0.0033	2.80E-08
280		0.06	0.000	0.092	0.1518	0.7462	0.0407	2.34E-05	0.2329	0.0033	2.80E-08
281	*	0.25	0.000	0.018	0.1506	0.8984	0.0490	2.82E-05	0.2330	0.0033	2.80E-08
282		0.12	0.000	0.023	0.1614	0.9356	0.0510	2.94E-05	0.2330	0.0033	2.80E-08
283		0.00	0.000	0.172	0.1521	0.9343	0.0509	2.94E-05	0.2331	0.0033	2.80E-08
284		0.00	0.000	0.126	0.1448	0.9307	0.0507	2.93E-05	0.2331	0.0033	2.80E-08
285		0.00	0.000	0.183	0.1352	0.8557	0.0466	2.69E-05	0.2331	0.0033	2.80E-08
286		0.01	0.000	0.238	0.1235	0.9141	0.0498	2.87E-05	0.2332	0.0033	2.80E-08
287		0.13	0.000	0.138	0.1211	0.9273	0.0506	2.91E-05	0.2332	0.0033	2.80E-08
288		0.00	0.000	0.054	0.1168	0.9464	0.0516	2.97E-05	0.2332	0.0033	2.80E-08

289			0.21	0.000	0.049	0.1215	0.8575	0.0467	2.69E-05	0.2332	0.0033	2.80E-08
290			0.00	0.000	0.035	0.1183	0.7996	0.0436	2.51E-05	0.2333	0.0033	2.80E-08
291			0.00	0.000	0.031	0.1152	0.7821	0.0426	2.45E-05	0.2333	0.0033	2.80E-08
292			0.00	0.000	0.028	0.1123	0.7638	0.0416	2.40E-05	0.2333	0.0033	2.80E-08
293			0.00	0.000	0.025	0.1096	0.7316	0.0399	2.29E-05	0.2333	0.0033	2.80E-08
294			0.00	0.000	0.024	0.1070	0.6931	0.0378	2.17E-05	0.2333	0.0033	2.80E-08
295	*		0.00	0.000	0.000	0.1055	0.6511	0.0355	2.04E-05	0.2332	0.0033	2.80E-08
296			0.00	0.000	0.022	0.1032	0.6107	0.0333	1.91E-05	0.2332	0.0033	2.80E-08
297	*		0.00	0.000	0.021	0.1010	0.5709	0.0311	1.79E-05	0.2332	0.0033	2.80E-08
298	*		0.00	0.000	0.020	0.0990	0.5304	0.0289	1.66E-05	0.2332	0.0033	2.80E-08
299	*		0.00	0.000	0.000	0.0979	0.4903	0.0267	1.53E-05	0.2331	0.0033	2.80E-08
300	*		0.00	0.000	0.000	0.0969	0.4529	0.0247	1.42E-05	0.2331	0.0033	2.80E-08
301	*		0.19	0.000	0.021	0.0967	0.4198	0.0229	1.31E-05	0.2331	0.0033	2.80E-08
302			0.00	0.000	0.048	0.1002	0.3894	0.0212	1.22E-05	0.2330	0.0033	2.80E-08
303			0.00	0.000	0.019	0.0986	0.3623	0.0198	1.13E-05	0.2330	0.0033	2.80E-08
304	*		0.00	0.000	0.000	0.0978	0.3361	0.0183	1.05E-05	0.2329	0.0033	2.80E-08
305	*		0.00	0.000	0.000	0.0971	0.3099	0.0169	9.68E-06	0.2329	0.0033	2.80E-08
306	*		0.00	0.000	0.018	0.0957	0.2868	0.0156	8.95E-06	0.2329	0.0033	2.80E-08
307			0.00	0.000	0.018	0.0944	0.2671	0.0146	8.34E-06	0.2328	0.0033	2.80E-08
308			0.00	0.000	0.017	0.0931	0.2491	0.0136	7.78E-06	0.2328	0.0033	2.80E-08
309	*		0.00	0.000	0.016	0.0919	0.2316	0.0126	7.23E-06	0.2327	0.0033	2.80E-08
310	*		0.00	0.000	0.000	0.0914	0.2138	0.0117	6.67E-06	0.2327	0.0033	2.79E-08
311	*		0.00	0.000	0.000	0.0909	0.1967	0.0107	6.13E-06	0.2326	0.0033	2.79E-08
312	*		0.00	0.000	0.000	0.0905	0.1823	0.0099	5.69E-06	0.2326	0.0033	2.79E-08
313	*	*	0.10	0.000	0.001	0.0901	0.1650	0.0090	5.14E-06	0.2325	0.0033	2.79E-08
314	*	*	0.00	0.000	0.005	0.0898	0.1421	0.0077	4.43E-06	0.2325	0.0033	2.79E-08
315		*	0.00	0.000	0.025	0.0923	0.1224	0.0067	3.81E-06	0.2324	0.0033	2.79E-08
316		*	0.00	0.000	0.000	0.0921	0.1054	0.0057	3.28E-06	0.2324	0.0033	2.79E-08
317		*	0.00	0.000	0.000	0.0919	0.0908	0.0049	2.83E-06	0.2324	0.0033	2.79E-08
318	*	*	0.00	0.000	0.000	0.0917	0.0782	0.0043	2.43E-06	0.2323	0.0033	2.79E-08
319	*	*	0.00	0.000	0.000	0.0916	0.0673	0.0037	2.10E-06	0.2323	0.0033	2.79E-08
320		*	0.00	0.000	0.000	0.0914	0.0580	0.0032	1.81E-06	0.2322	0.0033	2.79E-08
321		*	0.07	0.000	0.006	0.0940	0.0499	0.0027	1.55E-06	0.2322	0.0033	2.79E-08
322		*	0.00	0.000	0.000	0.0939	0.0430	0.0023	1.34E-06	0.2321	0.0033	2.79E-08
323		*	0.00	0.000	0.000	0.0938	0.0370	0.0020	1.15E-06	0.2321	0.0033	2.79E-08
324		*	0.00	0.000	0.000	0.0938	0.0319	0.0017	9.96E-07	0.2320	0.0033	2.79E-08
325		*	0.08	0.000	0.005	0.0969	0.0275	0.0015	8.59E-07	0.2320	0.0033	2.79E-08

326		*	0.00	0.000	0.000	0.0968	0.0237	0.0013	7.42E-07	0.2320	0.0033	2.79E-08
327		*	0.01	0.000	0.004	0.0969	0.0204	0.0011	6.41E-07	0.2319	0.0033	2.79E-08
328		*	0.12	0.000	0.005	0.1015	0.0176	0.0010	5.54E-07	0.2319	0.0033	2.79E-08
329		*	0.23	0.000	0.005	0.1108	0.0151	0.0008	4.79E-07	0.2319	0.0033	2.78E-08
330		*	0.00	0.000	0.000	0.1107	0.0130	0.0007	4.14E-07	0.2318	0.0033	2.78E-08
331		*	0.00	0.000	0.000	0.1107	0.0112	0.0006	3.59E-07	0.2318	0.0033	2.78E-08
332		*	0.00	0.000	0.000	0.1107	0.0097	0.0005	3.11E-07	0.2318	0.0033	2.78E-08
333	*	*	0.00	0.000	0.000	0.1107	0.0083	0.0005	2.70E-07	0.2317	0.0033	2.78E-08
334		*	0.00	0.000	0.000	0.1107	0.0072	0.0004	2.34E-07	0.2317	0.0033	2.78E-08
335			0.00	0.000	0.050	0.1085	0.0131	0.0007	4.17E-07	0.2317	0.0033	2.78E-08
336			0.00	0.000	0.038	0.1069	0.0296	0.0016	9.24E-07	0.2317	0.0033	2.78E-08
337			0.00	0.000	0.061	0.1043	0.0401	0.0022	1.25E-06	0.2316	0.0033	2.78E-08
338			0.00	0.000	0.037	0.1026	0.0391	0.0021	1.22E-06	0.2316	0.0033	2.78E-08
339			0.00	0.000	0.034	0.1011	0.0376	0.0020	1.17E-06	0.2316	0.0033	2.78E-08
340			0.00	0.000	0.064	0.0983	0.0397	0.0022	1.23E-06	0.2316	0.0033	2.78E-08
341			0.00	0.000	0.041	0.0966	0.0423	0.0023	1.32E-06	0.2315	0.0033	2.78E-08
342			0.00	0.000	0.027	0.0953	0.0474	0.0026	1.47E-06	0.2315	0.0033	2.78E-08
343			0.00	0.000	0.041	0.0935	0.0524	0.0029	1.63E-06	0.2315	0.0033	2.78E-08
344			0.00	0.000	0.035	0.0919	0.0562	0.0031	1.75E-06	0.2315	0.0033	2.78E-08
345	*		0.00	0.000	0.024	0.0908	0.0604	0.0033	1.88E-06	0.2315	0.0033	2.78E-08
346			0.00	0.000	0.028	0.0895	0.0642	0.0035	2.00E-06	0.2314	0.0033	2.78E-08
347			0.00	0.000	0.025	0.0882	0.0666	0.0036	2.07E-06	0.2314	0.0033	2.78E-08
348			0.00	0.000	0.024	0.0871	0.0684	0.0037	2.13E-06	0.2314	0.0033	2.78E-08
349			0.00	0.000	0.022	0.0860	0.0696	0.0038	2.17E-06	0.2314	0.0033	2.78E-08
350	*		0.00	0.000	0.021	0.0850	0.0701	0.0038	2.18E-06	0.2314	0.0033	2.78E-08
351			0.00	0.000	0.020	0.0840	0.0704	0.0038	2.19E-06	0.2314	0.0033	2.78E-08
352			0.00	0.000	0.019	0.0830	0.0709	0.0039	2.21E-06	0.2313	0.0033	2.78E-08
353			0.00	0.000	0.019	0.0821	0.0727	0.0040	2.27E-06	0.2313	0.0033	2.78E-08
354	*		0.00	0.000	0.000	0.0819	0.0737	0.0040	2.29E-06	0.2313	0.0033	2.78E-08
355	*		0.00	0.000	0.000	0.0818	0.0730	0.0040	2.27E-06	0.2313	0.0033	2.78E-08
356	*		0.05	0.000	0.002	0.0824	0.0715	0.0039	2.23E-06	0.2313	0.0033	2.78E-08
357	*		0.00	0.000	0.001	0.0831	0.0696	0.0038	2.17E-06	0.2313	0.0033	2.78E-08
358	*		0.00	0.000	0.011	0.0829	0.0673	0.0037	2.10E-06	0.2313	0.0033	2.78E-08
359	*		0.00	0.000	0.000	0.0828	0.0649	0.0035	2.02E-06	0.2312	0.0033	2.78E-08
360	*		0.00	0.000	0.000	0.0827	0.0623	0.0034	1.94E-06	0.2312	0.0033	2.78E-08
361	*		0.14	0.000	0.005	0.0833	0.0597	0.0033	1.86E-06	0.2312	0.0033	2.78E-08
362	*	*	0.00	0.000	0.002	0.0832	0.0549	0.0030	1.71E-06	0.2312	0.0033	2.78E-08

363	*	*	0.00	0.000	0.001	0.0831	0.0473	0.0026	1.47E-06	0.2312	0.0033	2.78E-08
364	*	*	0.02	0.000	0.000	0.0830	0.0408	0.0022	1.27E-06	0.2312	0.0033	2.78E-08
365	*	*	0.02	0.000	0.000	0.0829	0.0351	0.0019	1.09E-06	0.2312	0.0033	2.78E-08

* = Frozen (air or soil)

Annual Totals for Year 21			
	inches	cubic feet	percent
Precipitation	27.16	829,130.4	100.00
Runoff	0.599	18,282.8	2.21
Evapotranspiration	22.217	678,250.0	81.80
Drainage Collected from Layer 2	4.6425	141,727.7	17.09
Percolation/Leakage through Layer 3	0.002687	82.0	0.01
Average Head on Top of Layer 3	0.2334	---	---
Drainage Collected from Layer 5	1.2167	37,143.6	4.48
Percolation/Leakage through Layer 7	0.000010	0.3149	0.00
Average Head on Top of Layer 6	0.2353	---	---
Change in Water Storage	-1.5158	-46,274.1	-5.58
Soil Water at Start of Year	293.5994	8,963,089.6	1081.02
Soil Water at End of Year	292.3898	8,926,162.8	1076.57
Snow Water at Start of Year	0.4582	13,988.6	1.69
Snow Water at End of Year	0.1520	4,641.4	0.56
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 22

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Column key: Head #1: drainage from Layer 3; Drain #1: drainage from Layer 2; Leak #1: leakage thru Layer 3; Head #2: drainage from Layer 6; Drain #2: drainage from Layer 5; Leak #2: leakage thru Layer 7

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.05	0.000	0.005	0.0829	0.0302	0.0016	9.44E-07	0.2311	0.0033	2.78E-08
2	*	*	0.04	0.000	0.000	0.0828	0.0260	0.0014	8.15E-07	0.2311	0.0033	2.78E-08
3	*	*	0.00	0.000	0.018	0.0828	0.0224	0.0012	7.04E-07	0.2311	0.0033	2.78E-08
4		*	0.00	0.000	0.011	0.0915	0.0193	0.0011	6.08E-07	0.2311	0.0033	2.78E-08
5		*	0.00	0.000	0.000	0.0915	0.0166	0.0009	5.25E-07	0.2311	0.0033	2.78E-08
6		*	0.00	0.000	0.000	0.0915	0.0143	0.0008	4.54E-07	0.2311	0.0033	2.77E-08
7		*	0.00	0.000	0.002	0.0915	0.0123	0.0007	3.93E-07	0.2310	0.0033	2.77E-08
8		*	0.00	0.000	0.001	0.0915	0.0106	0.0006	3.41E-07	0.2310	0.0033	2.77E-08
9		*	0.27	0.001	0.003	0.1024	0.0091	0.0005	2.95E-07	0.2310	0.0033	2.77E-08
10		*	0.00	0.000	0.000	0.1024	0.0079	0.0004	2.56E-07	0.2310	0.0033	2.77E-08
11		*	0.07	0.000	0.003	0.1051	0.0068	0.0004	2.22E-07	0.2310	0.0033	2.77E-08
12		*	0.08	0.000	0.003	0.1082	0.0058	0.0003	1.93E-07	0.2310	0.0033	2.77E-08
13	*	*	0.00	0.000	0.000	0.1082	0.0050	0.0003	1.68E-07	0.2309	0.0033	2.77E-08
14	*	*	0.00	0.000	0.000	0.1082	0.0043	0.0002	1.47E-07	0.2309	0.0033	2.77E-08
15	*	*	0.00	0.000	0.000	0.1082	0.0037	0.0002	1.28E-07	0.2309	0.0033	2.77E-08
16		*	0.00	0.000	0.000	0.1082	0.0032	0.0002	1.13E-07	0.2309	0.0033	2.77E-08
17		*	0.00	0.000	0.000	0.1082	0.0028	0.0002	9.88E-08	0.2309	0.0033	2.77E-08
18		*	0.04	0.000	0.003	0.1095	0.0024	0.0001	8.71E-08	0.2309	0.0033	2.77E-08
19		*	0.02	0.000	0.003	0.1101	0.0021	0.0001	7.66E-08	0.2309	0.0033	2.77E-08
20		*	0.24	0.001	0.003	0.1197	0.0018	0.0001	6.80E-08	0.2308	0.0033	2.77E-08
21	*	*	0.00	0.000	0.000	0.1197	0.0015	0.0001	6.05E-08	0.2308	0.0033	2.77E-08
22	*	*	0.00	0.000	0.000	0.1197	0.0013	0.0001	5.40E-08	0.2308	0.0033	2.77E-08
23	*	*	0.00	0.000	0.000	0.1197	0.0011	0.0001	4.84E-08	0.2308	0.0033	2.77E-08
24	*	*	0.00	0.000	0.000	0.1197	0.0010	0.0001	4.35E-08	0.2308	0.0033	2.77E-08
25		*	0.00	0.000	0.000	0.1197	0.0008	0.0000	3.94E-08	0.2308	0.0033	2.77E-08
26		*	0.00	0.000	0.000	0.1197	0.0007	0.0000	3.58E-08	0.2307	0.0033	2.77E-08
27	*	*	0.00	0.000	0.000	0.1197	0.0006	0.0000	3.27E-08	0.2307	0.0033	2.77E-08
28	*	*	0.00	0.000	0.000	0.1197	0.0005	0.0000	3.01E-08	0.2307	0.0033	2.77E-08
29	*	*	0.05	0.000	0.013	0.1197	0.0005	0.0000	2.78E-08	0.2307	0.0033	2.77E-08

30	*	*	0.00	0.000	0.006	0.1197	0.0004	0.0000	2.58E-08	0.2307	0.0033	2.77E-08
31	*	*	0.00	0.000	0.006	0.1197	0.0003	0.0000	2.41E-08	0.2307	0.0033	2.77E-08
32	*	*	0.00	0.000	0.008	0.1197	0.0003	0.0000	2.27E-08	0.2307	0.0033	2.77E-08
33	*	*	0.00	0.000	0.012	0.1197	0.0003	0.0000	2.14E-08	0.2307	0.0033	2.77E-08
34	*	*	0.00	0.000	0.000	0.1197	0.0002	0.0000	2.03E-08	0.2306	0.0033	2.77E-08
35	*	*	0.00	0.000	0.000	0.1197	0.0002	0.0000	1.94E-08	0.2306	0.0033	2.77E-08
36	*	*	0.00	0.000	0.000	0.1197	0.0002	0.0000	1.86E-08	0.2306	0.0033	2.77E-08
37	*	*	0.00	0.000	0.000	0.1197	0.0001	0.0000	1.79E-08	0.2306	0.0033	2.77E-08
38		*	0.00	0.000	0.000	0.1197	0.0001	0.0000	1.73E-08	0.2306	0.0033	2.77E-08
39	*	*	0.00	0.000	0.000	0.1197	0.0001	0.0000	1.68E-08	0.2306	0.0033	2.77E-08
40	*	*	0.00	0.000	0.000	0.1197	0.0001	0.0000	1.63E-08	0.2306	0.0033	2.77E-08
41		*	0.00	0.000	0.000	0.1197	0.0001	0.0000	1.60E-08	0.2305	0.0033	2.77E-08
42		*	0.00	0.000	0.000	0.1197	0.0001	0.0000	1.56E-08	0.2305	0.0033	2.77E-08
43		*	0.00	0.000	0.000	0.1197	0.0001	0.0000	1.54E-08	0.2305	0.0033	2.77E-08
44		*	0.20	0.001	0.003	0.1281	0.0000	0.0000	1.51E-08	0.2305	0.0033	2.77E-08
45		*	0.02	0.000	0.003	0.1287	0.0000	0.0000	1.49E-08	0.2305	0.0033	2.77E-08
46	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.47E-08	0.2305	0.0033	2.77E-08
47		*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.46E-08	0.2305	0.0033	2.77E-08
48	*	*	0.01	0.000	0.013	0.1287	0.0000	0.0000	1.44E-08	0.2304	0.0033	2.77E-08
49	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.43E-08	0.2304	0.0033	2.77E-08
50	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.42E-08	0.2304	0.0033	2.77E-08
51	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.41E-08	0.2304	0.0033	2.77E-08
52	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.41E-08	0.2304	0.0033	2.77E-08
53	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.40E-08	0.2304	0.0033	2.77E-08
54	*	*	0.09	0.000	0.007	0.1287	0.0000	0.0000	1.39E-08	0.2304	0.0033	2.77E-08
55	*	*	0.00	0.000	0.043	0.1287	0.0000	0.0000	1.39E-08	0.2303	0.0033	2.77E-08
56		*	0.00	0.000	0.042	0.1287	0.0000	0.0000	1.39E-08	0.2303	0.0033	2.77E-08
57		*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.38E-08	0.2303	0.0033	2.77E-08
58		*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.38E-08	0.2303	0.0033	2.77E-08
59	*	*	0.00	0.000	0.001	0.1287	0.0000	0.0000	1.38E-08	0.2303	0.0033	2.77E-08
60	*	*	0.06	0.000	0.033	0.1287	0.0000	0.0000	1.37E-08	0.2303	0.0033	2.77E-08
61	*	*	0.00	0.000	0.031	0.1287	0.0000	0.0000	1.37E-08	0.2303	0.0033	2.77E-08
62	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.37E-08	0.2302	0.0033	2.77E-08
63	*	*	0.02	0.000	0.018	0.1287	0.0000	0.0000	1.37E-08	0.2302	0.0033	2.76E-08
64	*	*	0.00	0.000	0.000	0.1287	0.0000	0.0000	1.37E-08	0.2302	0.0033	2.76E-08
65	*	*	0.16	0.000	0.007	0.1287	0.0000	0.0000	1.37E-08	0.2302	0.0033	2.76E-08
66	*	*	0.00	0.000	0.006	0.1287	0.0000	0.0000	1.37E-08	0.2302	0.0033	2.76E-08

67	*	*	0.02	0.000	0.002	0.1287	0.0000	0.0000	1.36E-08	0.2302	0.0033	2.76E-08
68	*	*	0.10	0.000	0.000	0.1287	0.0000	0.0000	1.36E-08	0.2302	0.0033	2.76E-08
69	*	*	0.13	0.000	0.000	0.1287	0.0000	0.0000	1.36E-08	0.2301	0.0033	2.76E-08
70	*	*	0.00	0.000	0.011	0.1287	0.0000	0.0000	1.36E-08	0.2301	0.0033	2.76E-08
71		*	0.00	0.043	0.036	0.1411	0.0000	0.0000	1.36E-08	0.2301	0.0033	2.76E-08
72		*	0.00	0.000	0.000	0.1411	0.0000	0.0000	1.36E-08	0.2301	0.0033	2.76E-08
73		*	0.15	0.000	0.002	0.1473	0.0000	0.0000	1.36E-08	0.2301	0.0033	2.76E-08
74	*	*	0.04	0.000	0.018	0.1473	0.0000	0.0000	1.36E-08	0.2301	0.0033	2.76E-08
75	*	*	0.30	0.000	0.010	0.1473	0.0000	0.0000	1.36E-08	0.2301	0.0033	2.76E-08
76	*	*	0.36	0.000	0.009	0.1473	0.0000	0.0000	1.36E-08	0.2300	0.0033	2.76E-08
77	*	*	0.01	0.000	0.015	0.1473	0.0000	0.0000	1.36E-08	0.2300	0.0033	2.76E-08
78	*	*	0.00	0.000	0.000	0.1473	0.0000	0.0000	1.36E-08	0.2300	0.0033	2.76E-08
79	*	*	0.51	0.000	0.015	0.1473	0.0000	0.0000	9.93E-09	0.2300	0.0033	2.76E-08
80	*	*	0.00	0.000	0.004	0.1473	0.0000	0.0000	0.00E+00	0.2300	0.0033	2.76E-08
81	*	*	0.00	0.000	0.002	0.1473	0.0000	0.0000	0.00E+00	0.2300	0.0033	2.76E-08
82	*	*	0.00	0.000	0.001	0.1473	0.0000	0.0000	0.00E+00	0.2299	0.0033	2.76E-08
83	*	*	0.00	0.000	0.003	0.1473	0.0000	0.0000	0.00E+00	0.2299	0.0033	2.76E-08
84	*	*	0.00	0.000	0.026	0.1473	0.0000	0.0000	0.00E+00	0.2299	0.0033	2.76E-08
85	*	*	0.00	0.000	0.019	0.1473	0.0000	0.0000	0.00E+00	0.2299	0.0033	2.76E-08
86		*	0.13	0.674	0.000	0.1702	0.0000	0.0000	0.00E+00	0.2299	0.0033	2.76E-08
87	*	*	0.00	0.000	0.000	0.1702	0.0000	0.0000	0.00E+00	0.2299	0.0033	2.76E-08
88		*	0.00	0.000	0.000	0.1702	0.0000	0.0000	0.00E+00	0.2298	0.0033	2.76E-08
89		*	0.00	0.000	0.000	0.1702	0.0000	0.0000	0.00E+00	0.2298	0.0033	2.76E-08
90		*	0.00	0.000	0.000	0.1702	0.0000	0.0000	0.00E+00	0.2298	0.0033	2.76E-08
91		*	0.00	0.000	0.000	0.1702	0.0000	0.0000	0.00E+00	0.2298	0.0033	2.76E-08
92		*	0.05	0.000	0.002	0.1723	0.0000	0.0000	0.00E+00	0.2298	0.0033	2.76E-08
93		*	0.16	0.006	0.002	0.1789	0.0000	0.0000	0.00E+00	0.2298	0.0033	2.76E-08
94		*	0.12	0.001	0.002	0.1839	0.0000	0.0000	0.00E+00	0.2297	0.0033	2.76E-08
95	*	*	0.00	0.000	0.000	0.1839	0.0000	0.0000	0.00E+00	0.2297	0.0033	2.76E-08
96	*	*	0.17	0.000	0.016	0.1839	0.0000	0.0000	0.00E+00	0.2297	0.0033	2.76E-08
97	*	*	0.46	0.000	0.028	0.1839	0.0000	0.0000	0.00E+00	0.2297	0.0033	2.76E-08
98		*	0.49	0.664	0.000	0.2010	0.0000	0.0000	0.00E+00	0.2297	0.0033	2.76E-08
99		*	0.25	0.051	0.002	0.2091	0.0000	0.0000	0.00E+00	0.2297	0.0033	2.76E-08
100		*	0.26	0.065	0.002	0.2171	0.0000	0.0000	0.00E+00	0.2297	0.0033	2.76E-08
101		*	0.00	0.000	0.000	0.2171	0.0000	0.0000	0.00E+00	0.2296	0.0033	2.76E-08
102		*	0.00	0.000	0.000	0.2171	0.0000	0.0000	0.00E+00	0.2296	0.0033	2.76E-08
103	*	*	0.00	0.000	0.000	0.2171	0.0000	0.0000	0.00E+00	0.2296	0.0033	2.76E-08

104	*	*	0.00	0.000	0.000	0.2171	0.0000	0.0000	0.00E+00	0.2296	0.0033	2.76E-08
105	*	*	0.00	0.000	0.000	0.2171	0.0000	0.0000	0.00E+00	0.2296	0.0033	2.76E-08
106	*	*	0.52	0.000	0.007	0.2171	0.0000	0.0000	0.00E+00	0.2295	0.0033	2.76E-08
107	*	*	0.00	0.000	0.027	0.2171	0.0000	0.0000	0.00E+00	0.2295	0.0033	2.76E-08
108		*	0.00	0.104	0.000	0.2256	0.0000	0.0000	0.00E+00	0.2295	0.0033	2.76E-08
109		*	0.00	0.006	0.170	0.2256	0.0000	0.0000	0.00E+00	0.2295	0.0033	2.76E-08
110		*	0.00	0.000	0.000	0.2256	0.0000	0.0000	0.00E+00	0.2295	0.0033	2.76E-08
111		*	0.00	0.000	0.000	0.2256	0.0000	0.0000	0.00E+00	0.2295	0.0033	2.76E-08
112		*	0.13	0.015	0.002	0.2304	0.0000	0.0000	0.00E+00	0.2294	0.0033	2.76E-08
113		*	0.01	0.000	0.002	0.2306	0.0000	0.0000	0.00E+00	0.2294	0.0033	2.76E-08
114		*	0.69	0.441	0.002	0.2410	0.0000	0.0000	0.00E+00	0.2294	0.0033	2.76E-08
115		*	0.00	0.000	0.000	0.2410	0.0000	0.0000	0.00E+00	0.2294	0.0032	2.75E-08
116		*	0.00	0.000	0.000	0.2410	0.0000	0.0000	0.00E+00	0.2294	0.0032	2.75E-08
117		*	0.00	0.000	0.000	0.2410	0.0000	0.0000	0.00E+00	0.2294	0.0032	2.75E-08
118			0.01	0.000	0.106	0.2281	3.9560	0.2156	1.31E-04	0.2295	0.0033	2.76E-08
119			0.02	0.000	0.138	0.2077	6.8164	0.3716	2.25E-04	0.2299	0.0033	2.76E-08
120			0.00	0.000	0.147	0.1879	6.0400	0.3293	1.98E-04	0.2304	0.0033	2.77E-08
121			0.04	0.000	0.266	0.1663	5.3738	0.2929	1.75E-04	0.2308	0.0033	2.77E-08
122			0.06	0.000	0.131	0.1541	4.0770	0.2222	1.32E-04	0.2311	0.0033	2.77E-08
123			0.01	0.000	0.055	0.1445	3.4536	0.1883	1.11E-04	0.2312	0.0033	2.78E-08
124			0.00	0.000	0.042	0.1357	3.1043	0.1692	9.95E-05	0.2313	0.0033	2.78E-08
125			0.05	0.000	0.036	0.1299	2.7816	0.1516	8.89E-05	0.2314	0.0033	2.78E-08
126			0.28	0.000	0.032	0.1348	2.4790	0.1351	7.90E-05	0.2314	0.0033	2.78E-08
127			0.00	0.000	0.190	0.1218	2.2095	0.1204	7.03E-05	0.2314	0.0033	2.78E-08
128			0.00	0.000	0.028	0.1162	1.9518	0.1064	6.19E-05	0.2314	0.0033	2.78E-08
129			0.45	0.000	0.027	0.1301	1.7085	0.0931	5.41E-05	0.2313	0.0033	2.78E-08
130			0.15	0.000	0.186	0.1253	1.5272	0.0833	4.83E-05	0.2312	0.0033	2.78E-08
131			0.06	0.000	0.177	0.1175	1.3468	0.0734	4.25E-05	0.2311	0.0033	2.78E-08
132			0.00	0.000	0.148	0.1086	1.1892	0.0648	3.75E-05	0.2310	0.0033	2.77E-08
133	*		0.00	0.000	0.000	0.1062	1.0694	0.0583	3.37E-05	0.2309	0.0033	2.77E-08
134	*		0.42	0.000	0.022	0.1048	0.9663	0.0527	3.04E-05	0.2308	0.0033	2.77E-08
135			0.01	0.000	0.035	0.1176	0.8675	0.0473	2.72E-05	0.2307	0.0033	2.77E-08
136			0.02	0.000	0.239	0.1067	0.7670	0.0418	2.41E-05	0.2305	0.0033	2.77E-08
137			0.09	0.000	0.266	0.0979	0.6746	0.0368	2.11E-05	0.2304	0.0033	2.77E-08
138			0.07	0.000	0.133	0.0939	0.6090	0.0332	1.91E-05	0.2302	0.0033	2.77E-08
139			0.01	0.000	0.057	0.0908	0.5550	0.0303	1.74E-05	0.2301	0.0033	2.76E-08
140			0.17	0.000	0.046	0.0947	0.5107	0.0278	1.60E-05	0.2300	0.0033	2.76E-08

141	0.33	0.000	0.040	0.1058	0.4636	0.0253	1.45E-05	0.2298	0.0033	2.76E-08
142	0.10	0.000	0.141	0.1030	0.4153	0.0226	1.30E-05	0.2297	0.0033	2.76E-08
143	0.00	0.000	0.402	0.0854	0.3644	0.0199	1.14E-05	0.2295	0.0033	2.76E-08
144	0.00	0.000	0.133	0.0791	0.3433	0.0187	1.07E-05	0.2294	0.0033	2.76E-08
145	0.00	0.000	0.056	0.0760	0.3227	0.0176	1.01E-05	0.2293	0.0032	2.75E-08
146	0.00	0.000	0.044	0.0735	0.2978	0.0162	9.30E-06	0.2292	0.0032	2.75E-08
147	0.07	0.000	0.038	0.0741	0.2728	0.0149	8.52E-06	0.2290	0.0032	2.75E-08
148	0.02	0.000	0.034	0.0728	0.2489	0.0136	7.77E-06	0.2289	0.0032	2.75E-08
149	1.14	0.000	0.034	0.1186	0.2266	0.0124	7.07E-06	0.2288	0.0032	2.75E-08
150	0.06	0.000	0.242	0.1105	0.2096	0.0114	6.54E-06	0.2287	0.0032	2.75E-08
151	0.05	0.000	0.236	0.1024	0.1988	0.0108	6.20E-06	0.2286	0.0032	2.74E-08
152	0.02	0.000	0.221	0.0938	0.1872	0.0102	5.84E-06	0.2285	0.0032	2.74E-08
153	0.00	0.000	0.128	0.0880	0.1740	0.0095	5.43E-06	0.2284	0.0032	2.74E-08
154	0.00	0.000	0.062	0.0851	0.1582	0.0086	4.93E-06	0.2283	0.0032	2.74E-08
155	0.43	0.000	0.054	0.1003	0.1403	0.0076	4.37E-06	0.2282	0.0032	2.74E-08
156	0.00	0.000	0.134	0.0944	0.1256	0.0068	3.91E-06	0.2281	0.0032	2.74E-08
157	0.04	0.000	0.111	0.0912	0.1158	0.0063	3.61E-06	0.2280	0.0032	2.74E-08
158	0.15	0.000	0.140	0.0914	0.1074	0.0059	3.35E-06	0.2279	0.0032	2.74E-08
159	0.00	0.000	0.230	0.0817	0.1023	0.0056	3.19E-06	0.2278	0.0032	2.74E-08
160	0.60	0.000	0.066	0.1037	0.0971	0.0053	3.03E-06	0.2277	0.0032	2.73E-08
161	0.04	0.000	0.200	0.0969	0.0902	0.0049	2.81E-06	0.2276	0.0032	2.73E-08
162	0.00	0.000	0.227	0.0873	0.0884	0.0048	2.75E-06	0.2276	0.0032	2.73E-08
163	0.00	0.000	0.149	0.0809	0.0861	0.0047	2.68E-06	0.2275	0.0032	2.73E-08
164	0.08	0.000	0.075	0.0810	0.0803	0.0044	2.50E-06	0.2274	0.0032	2.73E-08
165	0.00	0.000	0.065	0.0781	0.0726	0.0040	2.26E-06	0.2274	0.0032	2.73E-08
166	0.00	0.000	0.057	0.0756	0.0650	0.0035	2.02E-06	0.2273	0.0032	2.73E-08
167	0.00	0.000	0.054	0.0732	0.0590	0.0032	1.84E-06	0.2273	0.0032	2.73E-08
168	0.00	0.000	0.053	0.0708	0.0538	0.0029	1.67E-06	0.2272	0.0032	2.73E-08
169	0.00	0.000	0.061	0.0682	0.0493	0.0027	1.54E-06	0.2271	0.0032	2.73E-08
170	0.13	0.000	0.066	0.0708	0.0458	0.0025	1.43E-06	0.2271	0.0032	2.73E-08
171	0.01	0.000	0.069	0.0684	0.0419	0.0023	1.30E-06	0.2270	0.0032	2.73E-08
172	0.00	0.000	0.056	0.0659	0.0371	0.0020	1.16E-06	0.2270	0.0032	2.73E-08
173	0.00	0.000	0.051	0.0637	0.0344	0.0019	1.07E-06	0.2269	0.0032	2.73E-08
174	0.00	0.000	0.051	0.0615	0.0324	0.0018	1.01E-06	0.2269	0.0032	2.72E-08
175	0.00	0.000	0.042	0.0597	0.0303	0.0017	9.48E-07	0.2269	0.0032	2.72E-08
176	0.10	0.000	0.077	0.0605	0.0289	0.0016	9.05E-07	0.2268	0.0032	2.72E-08
177	0.01	0.000	0.052	0.0587	0.0257	0.0014	8.04E-07	0.2268	0.0032	2.72E-08

178	0.05	0.000	0.051	0.0584	0.0206	0.0011	6.48E-07	0.2267	0.0032	2.72E-08
179	0.04	0.000	0.075	0.0570	0.0146	0.0008	4.64E-07	0.2267	0.0032	2.72E-08
180	0.60	0.000	0.088	0.0784	0.0077	0.0004	2.50E-07	0.2267	0.0032	2.72E-08
181	0.09	0.000	0.143	0.0762	0.0028	0.0002	1.01E-07	0.2267	0.0032	2.72E-08
182	0.19	0.000	0.139	0.0782	0.0016	0.0001	6.21E-08	0.2266	0.0032	2.72E-08
183	0.01	0.000	0.299	0.0662	0.0003	0.0000	1.69E-08	0.2266	0.0032	2.72E-08
184	0.35	0.000	0.261	0.0698	0.0000	0.0000	0.00E+00	0.2266	0.0032	2.72E-08
185	0.01	0.000	0.242	0.0600	0.0000	0.0000	0.00E+00	0.2265	0.0032	2.72E-08
186	0.14	0.000	0.260	0.0552	0.0260	0.0014	8.11E-07	0.2265	0.0032	2.72E-08
187	0.00	0.000	0.219	0.0459	0.0584	0.0032	1.82E-06	0.2265	0.0032	2.72E-08
188	0.00	0.000	0.102	0.0416	0.0355	0.0019	1.11E-06	0.2265	0.0032	2.72E-08
189	0.18	0.000	0.116	0.0441	0.0019	0.0000	0.00E+00	0.2265	0.0032	2.72E-08
190	0.20	0.000	0.115	0.0478	0.0000	0.0000	0.00E+00	0.2264	0.0032	2.72E-08
191	0.00	0.000	0.160	0.0412	0.0000	0.0000	0.00E+00	0.2264	0.0032	2.72E-08
192	0.30	0.000	0.133	0.0481	0.0000	0.0000	0.00E+00	0.2264	0.0032	2.72E-08
193	0.15	0.000	0.100	0.0501	0.0000	0.0000	0.00E+00	0.2264	0.0032	2.72E-08
194	0.00	0.000	0.166	0.0432	0.0000	0.0000	0.00E+00	0.2264	0.0032	2.72E-08
195	0.08	0.000	0.212	0.0377	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
196	0.00	0.000	0.064	0.0350	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
197	0.00	0.000	0.049	0.0330	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
198	0.00	0.000	0.010	0.0326	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
199	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
200	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
201	0.20	0.000	0.026	0.0399	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
202	0.26	0.000	0.115	0.0459	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
203	0.32	0.000	0.089	0.0556	0.0000	0.0000	0.00E+00	0.2263	0.0032	2.72E-08
204	0.14	0.000	0.071	0.0585	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
205	0.00	0.000	0.106	0.0542	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
206	0.00	0.000	0.256	0.0435	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
207	0.04	0.000	0.202	0.0366	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
208	0.00	0.000	0.079	0.0333	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
209	0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
210	0.14	0.000	0.041	0.0373	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
211	0.39	0.000	0.134	0.0480	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
212	0.06	0.000	0.063	0.0480	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
213	0.00	0.000	0.125	0.0428	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
214	0.00	0.000	0.174	0.0355	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08

215	0.00	0.000	0.046	0.0336	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
216	0.00	0.000	0.017	0.0329	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
217	0.00	0.000	0.009	0.0325	0.0000	0.0000	0.00E+00	0.2262	0.0032	2.72E-08
218	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
219	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
220	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
221	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
222	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
223	0.04	0.000	0.024	0.0330	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
224	0.00	0.000	0.007	0.0327	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
225	0.00	0.000	0.001	0.0327	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
226	0.21	0.000	0.024	0.0402	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
227	0.35	0.000	0.067	0.0520	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
228	0.09	0.000	0.062	0.0531	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
229	0.00	0.000	0.079	0.0498	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.72E-08
230	0.00	0.000	0.124	0.0447	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
231	0.00	0.000	0.159	0.0380	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
232	0.00	0.000	0.103	0.0337	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
233	0.00	0.000	0.018	0.0330	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
234	0.00	0.000	0.011	0.0325	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
235	0.20	0.000	0.031	0.0396	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
236	0.00	0.000	0.061	0.0370	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
237	0.00	0.000	0.084	0.0335	0.0000	0.0000	0.00E+00	0.2261	0.0032	2.71E-08
238	0.00	0.000	0.016	0.0329	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
239	0.00	0.000	0.009	0.0325	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
240	0.17	0.000	0.040	0.0379	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
241	0.00	0.000	0.070	0.0349	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
242	0.00	0.000	0.031	0.0336	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
243	0.00	0.000	0.023	0.0327	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
244	0.00	0.000	0.002	0.0326	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
245	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
246	0.06	0.000	0.032	0.0336	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
247	0.00	0.000	0.009	0.0332	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
248	0.00	0.000	0.014	0.0327	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
249	0.00	0.000	0.004	0.0325	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
250	0.69	0.000	0.048	0.0593	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
251	0.04	0.000	0.069	0.0581	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08

252	*	0.00	0.000	0.054	0.0558	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
253		0.00	0.000	0.076	0.0527	0.0000	0.0000	0.00E+00	0.2260	0.0032	2.71E-08
254		0.00	0.000	0.119	0.0477	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
255		0.00	0.000	0.087	0.0441	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
256		0.00	0.000	0.136	0.0384	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
257		0.00	0.000	0.125	0.0332	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
258		0.02	0.000	0.035	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
259		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
260		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
261		0.00	0.000	0.003	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
262		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
263		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
264		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
265		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
266		1.21	0.000	0.060	0.0803	0.0000	0.0000	0.00E+00	0.2259	0.0032	2.71E-08
267	*	0.00	0.000	0.048	0.0783	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
268		0.00	0.000	0.084	0.0748	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
269		0.00	0.000	0.102	0.0706	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
270		0.00	0.000	0.048	0.0686	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
271		0.00	0.000	0.140	0.0627	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
272		0.05	0.000	0.063	0.0624	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
273		0.00	0.000	0.047	0.0604	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
274		0.00	0.000	0.126	0.0552	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
275		0.00	0.000	0.099	0.0510	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
276		0.00	0.000	0.118	0.0461	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
277		0.00	0.000	0.049	0.0441	0.0000	0.0000	0.00E+00	0.2258	0.0032	2.71E-08
278	*	0.10	0.000	0.047	0.0449	0.0000	0.0000	0.00E+00	0.2257	0.0032	2.71E-08
279		0.35	0.000	0.013	0.0601	0.0000	0.0000	0.00E+00	0.2257	0.0032	2.71E-08
280		0.06	0.000	0.082	0.0592	0.0000	0.0000	0.00E+00	0.2257	0.0032	2.71E-08
281		0.07	0.000	0.148	0.0561	0.0000	0.0000	0.00E+00	0.2257	0.0032	2.71E-08
282		0.00	0.000	0.223	0.0468	0.0000	0.0000	0.00E+00	0.2257	0.0032	2.71E-08
283		0.00	0.000	0.061	0.0442	0.0000	0.0000	0.00E+00	0.2257	0.0032	2.71E-08
284		0.00	0.000	0.042	0.0425	0.0000	0.0000	0.00E+00	0.2257	0.0032	2.71E-08
285		0.10	0.000	0.043	0.0449	0.0021	0.0001	7.16E-08	0.2257	0.0032	2.71E-08
286		0.01	0.000	0.032	0.0438	0.0228	0.0012	7.16E-07	0.2257	0.0032	2.71E-08
287		0.00	0.000	0.024	0.0427	0.0332	0.0018	1.03E-06	0.2256	0.0032	2.71E-08
288		0.00	0.000	0.022	0.0417	0.0324	0.0018	1.01E-06	0.2256	0.0032	2.71E-08

289		0.00	0.000	0.020	0.0409	0.0281	0.0015	8.79E-07	0.2256	0.0032	2.71E-08
290		0.00	0.000	0.017	0.0401	0.0245	0.0013	7.68E-07	0.2256	0.0032	2.71E-08
291		0.00	0.000	0.019	0.0393	0.0219	0.0012	6.89E-07	0.2256	0.0032	2.71E-08
292		0.00	0.000	0.014	0.0386	0.0267	0.0015	8.35E-07	0.2256	0.0032	2.71E-08
293		0.00	0.000	0.002	0.0385	0.0353	0.0019	1.10E-06	0.2256	0.0032	2.71E-08
294		0.00	0.000	0.002	0.0383	0.0346	0.0019	1.08E-06	0.2256	0.0032	2.71E-08
295		0.00	0.000	0.002	0.0381	0.0369	0.0020	1.15E-06	0.2256	0.0032	2.71E-08
296		0.00	0.000	0.003	0.0379	0.0348	0.0019	1.09E-06	0.2256	0.0032	2.71E-08
297		0.00	0.000	0.002	0.0377	0.0339	0.0018	1.06E-06	0.2255	0.0032	2.71E-08
298		0.00	0.000	0.004	0.0376	0.0323	0.0018	1.01E-06	0.2255	0.0032	2.71E-08
299		0.00	0.000	0.001	0.0374	0.0304	0.0017	9.50E-07	0.2255	0.0032	2.71E-08
300		0.00	0.000	0.000	0.0374	0.0274	0.0015	8.56E-07	0.2255	0.0032	2.71E-08
301		0.00	0.000	0.000	0.0373	0.0236	0.0013	7.39E-07	0.2255	0.0032	2.71E-08
302		0.00	0.000	0.000	0.0373	0.0203	0.0011	6.38E-07	0.2255	0.0032	2.71E-08
303		0.00	0.000	0.000	0.0372	0.0175	0.0010	5.52E-07	0.2255	0.0032	2.71E-08
304	*	0.05	0.000	0.021	0.0380	0.0151	0.0008	4.77E-07	0.2255	0.0032	2.71E-08
305	*	0.69	0.000	0.017	0.0388	0.0130	0.0007	4.13E-07	0.2254	0.0032	2.71E-08
306	*	0.00	0.000	0.004	0.0396	0.0112	0.0006	3.57E-07	0.2254	0.0032	2.71E-08
307	*	0.00	0.000	0.006	0.0404	0.0096	0.0005	3.10E-07	0.2254	0.0032	2.71E-08
308	*	0.00	0.000	0.002	0.0412	0.0083	0.0005	2.69E-07	0.2254	0.0032	2.71E-08
309	*	0.00	0.000	0.000	0.0420	0.0071	0.0004	2.33E-07	0.2254	0.0032	2.71E-08
310		0.03	0.000	0.000	0.0671	0.0216	0.0012	6.78E-07	0.2254	0.0032	2.71E-08
311		0.05	0.000	0.090	0.0656	0.0234	0.0013	7.33E-07	0.2254	0.0032	2.71E-08
312		0.05	0.000	0.091	0.0637	0.0214	0.0012	6.73E-07	0.2253	0.0032	2.71E-08
313		0.00	0.000	0.041	0.0620	0.0312	0.0017	9.73E-07	0.2253	0.0032	2.71E-08
314		0.00	0.000	0.044	0.0600	0.0324	0.0018	1.01E-06	0.2253	0.0032	2.71E-08
315		0.62	0.000	0.111	0.0810	0.0279	0.0015	8.74E-07	0.2253	0.0032	2.71E-08
316		0.00	0.000	0.051	0.0788	0.0299	0.0016	9.32E-07	0.2253	0.0032	2.71E-08
317	*	0.00	0.000	0.000	0.0787	0.0368	0.0020	1.14E-06	0.2253	0.0032	2.71E-08
318	*	0.00	0.000	0.000	0.0787	0.0317	0.0017	9.88E-07	0.2253	0.0032	2.71E-08
319		0.00	0.000	0.042	0.0769	0.0273	0.0015	8.53E-07	0.2252	0.0032	2.70E-08
320		0.00	0.000	0.042	0.0751	0.0235	0.0013	7.36E-07	0.2252	0.0032	2.70E-08
321	*	0.00	0.000	0.002	0.0750	0.0202	0.0011	6.36E-07	0.2252	0.0032	2.70E-08
322	*	0.15	0.000	0.005	0.0758	0.0174	0.0009	5.50E-07	0.2252	0.0032	2.70E-08
323	*	0.00	0.000	0.006	0.0766	0.0150	0.0008	4.75E-07	0.2252	0.0032	2.70E-08
324	*	0.00	0.000	0.012	0.0774	0.0129	0.0007	4.11E-07	0.2252	0.0032	2.70E-08
325		0.00	0.000	0.041	0.0785	0.0111	0.0006	3.56E-07	0.2252	0.0032	2.70E-08

326		0.00	0.000	0.030	0.0773	0.0096	0.0005	3.08E-07	0.2251	0.0032	2.70E-08
327	*	0.00	0.000	0.000	0.0773	0.0083	0.0004	2.68E-07	0.2251	0.0032	2.70E-08
328	*	0.00	0.000	0.000	0.0772	0.0071	0.0004	2.32E-07	0.2251	0.0032	2.70E-08
329		0.02	0.000	0.045	0.0760	0.0118	0.0006	3.76E-07	0.2251	0.0032	2.70E-08
330		0.00	0.000	0.077	0.0728	0.0239	0.0013	7.50E-07	0.2251	0.0032	2.70E-08
331		0.00	0.000	0.122	0.0676	0.0382	0.0021	1.19E-06	0.2251	0.0032	2.70E-08
332		0.00	0.000	0.050	0.0654	0.0356	0.0019	1.11E-06	0.2250	0.0032	2.70E-08
333		0.00	0.000	0.088	0.0617	0.0306	0.0017	9.56E-07	0.2250	0.0032	2.70E-08
334		0.00	0.000	0.081	0.0582	0.0264	0.0014	8.25E-07	0.2250	0.0032	2.70E-08
335		0.00	0.000	0.033	0.0568	0.0243	0.0013	7.62E-07	0.2250	0.0032	2.70E-08
336		0.00	0.000	0.035	0.0553	0.0321	0.0017	1.00E-06	0.2250	0.0032	2.70E-08
337		0.06	0.000	0.043	0.0558	0.0411	0.0022	1.28E-06	0.2250	0.0032	2.70E-08
338		0.00	0.000	0.037	0.0542	0.0442	0.0024	1.38E-06	0.2249	0.0032	2.70E-08
339	*	0.04	0.000	0.015	0.0549	0.0420	0.0023	1.31E-06	0.2249	0.0032	2.70E-08
340		0.00	0.000	0.040	0.0535	0.0370	0.0020	1.15E-06	0.2249	0.0032	2.70E-08
341	*	0.00	0.000	0.000	0.0535	0.0341	0.0019	1.06E-06	0.2249	0.0032	2.70E-08
342	*	0.02	0.000	0.023	0.0533	0.0296	0.0016	9.26E-07	0.2249	0.0032	2.70E-08
343	*	0.00	0.000	0.000	0.0532	0.0259	0.0014	8.10E-07	0.2249	0.0032	2.70E-08
344	*	0.00	0.000	0.000	0.0532	0.0224	0.0012	7.04E-07	0.2249	0.0032	2.70E-08
345	*	0.00	0.000	0.000	0.0531	0.0194	0.0011	6.12E-07	0.2248	0.0032	2.70E-08
346	*	0.00	0.000	0.000	0.0531	0.0169	0.0009	5.33E-07	0.2248	0.0032	2.70E-08
347	*	0.00	0.000	0.000	0.0531	0.0147	0.0008	4.65E-07	0.2248	0.0032	2.70E-08
348		0.00	0.000	0.025	0.0520	0.0127	0.0007	4.05E-07	0.2248	0.0032	2.70E-08
349		0.00	0.000	0.023	0.0510	0.0126	0.0007	4.03E-07	0.2248	0.0032	2.70E-08
350		0.00	0.000	0.022	0.0500	0.0151	0.0008	4.79E-07	0.2247	0.0032	2.70E-08
351	*	0.00	0.000	0.000	0.0500	0.0156	0.0008	4.93E-07	0.2247	0.0032	2.70E-08
352	*	0.01	0.000	0.023	0.0496	0.0138	0.0008	4.38E-07	0.2247	0.0032	2.70E-08
353	*	0.00	0.000	0.000	0.0496	0.0135	0.0007	4.29E-07	0.2247	0.0032	2.70E-08
354	*	0.00	0.000	0.000	0.0495	0.0118	0.0006	3.77E-07	0.2247	0.0032	2.70E-08
355	*	0.12	0.000	0.019	0.0503	0.0104	0.0006	3.33E-07	0.2247	0.0032	2.70E-08
356	*	0.00	0.000	0.016	0.0511	0.0091	0.0005	2.95E-07	0.2246	0.0032	2.70E-08
357	*	0.00	0.000	0.019	0.0519	0.0081	0.0004	2.62E-07	0.2246	0.0032	2.70E-08
358		0.10	0.000	0.033	0.0549	0.0099	0.0005	3.17E-07	0.2246	0.0032	2.70E-08
359	*	0.00	0.000	0.000	0.0549	0.0130	0.0007	4.13E-07	0.2246	0.0032	2.70E-08
360		0.07	0.000	0.022	0.0569	0.0139	0.0008	4.42E-07	0.2246	0.0032	2.70E-08
361		0.02	0.000	0.037	0.0561	0.0209	0.0011	6.58E-07	0.2245	0.0032	2.70E-08
362	*	0.00	0.000	0.000	0.0561	0.0225	0.0012	7.07E-07	0.2245	0.0032	2.70E-08

363	*	*	0.12	0.000	0.005	0.0560	0.0195	0.0011	6.13E-07	0.2245	0.0032	2.70E-08
364	*	*	0.00	0.000	0.010	0.0560	0.0168	0.0009	5.30E-07	0.2245	0.0032	2.70E-08
365	*	*	0.00	0.000	0.005	0.0560	0.0144	0.0008	4.58E-07	0.2245	0.0032	2.70E-08

* = Frozen (air or soil)

Annual Totals for Year 22			
	inches	cubic feet	percent
Precipitation	21.78	664,762.3	100.00
Runoff	2.073	63,291.1	9.52
Evapotranspiration	17.034	520,005.1	78.22
Drainage Collected from Layer 2	3.3638	102,691.4	15.45
Percolation/Leakage through Layer 3	0.001983	60.5	0.01
Average Head on Top of Layer 3	0.1691	---	---
Drainage Collected from Layer 5	1.1775	35,946.9	5.41
Percolation/Leakage through Layer 7	0.000010	0.3047	0.00
Average Head on Top of Layer 6	0.2277	---	---
Change in Water Storage	-1.8728	-57,172.5	-8.60
Soil Water at Start of Year	292.3898	8,926,162.8	1342.76
Soil Water at End of Year	290.5673	8,870,526.6	1334.39
Snow Water at Start of Year	0.1520	4,641.4	0.70
Snow Water at End of Year	0.1017	3,105.1	0.47
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 23

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.011	0.0559	0.0124	0.0007	3.96E-07	0.2245	0.0032	2.70E-08
2	*	*	0.00	0.000	0.012	0.0559	0.0107	0.0006	3.43E-07	0.2244	0.0032	2.70E-08
3	*	*	0.00	0.000	0.016	0.0559	0.0092	0.0005	2.97E-07	0.2244	0.0032	2.69E-08
4	*	*	0.02	0.000	0.012	0.0559	0.0079	0.0004	2.58E-07	0.2244	0.0032	2.69E-08
5	*	*	0.00	0.000	0.004	0.0559	0.0068	0.0004	2.24E-07	0.2244	0.0032	2.69E-08
6	*	*	0.00	0.000	0.009	0.0559	0.0059	0.0003	1.95E-07	0.2244	0.0032	2.69E-08
7	*	*	0.08	0.000	0.009	0.0558	0.0051	0.0003	1.70E-07	0.2244	0.0032	2.69E-08
8	*	*	0.00	0.000	0.024	0.0558	0.0044	0.0002	1.48E-07	0.2243	0.0032	2.69E-08
9	*	*	0.00	0.000	0.010	0.0558	0.0038	0.0002	1.29E-07	0.2243	0.0032	2.69E-08
10	*	*	0.03	0.000	0.015	0.0558	0.0032	0.0002	1.13E-07	0.2243	0.0032	2.69E-08
11	*	*	0.21	0.000	0.006	0.0558	0.0028	0.0002	9.95E-08	0.2243	0.0032	2.69E-08
12	*	*	0.00	0.000	0.011	0.0558	0.0024	0.0001	8.77E-08	0.2243	0.0032	2.69E-08
13	*	*	0.11	0.000	0.005	0.0558	0.0021	0.0001	7.70E-08	0.2242	0.0032	2.69E-08
14	*	*	0.00	0.000	0.011	0.0558	0.0018	0.0001	6.84E-08	0.2242	0.0032	2.69E-08
15	*	*	0.00	0.000	0.005	0.0558	0.0015	0.0001	6.08E-08	0.2242	0.0032	2.69E-08
16	*	*	0.00	0.000	0.006	0.0558	0.0013	0.0001	5.43E-08	0.2242	0.0032	2.69E-08
17	*	*	0.00	0.000	0.005	0.0558	0.0011	0.0001	4.86E-08	0.2242	0.0032	2.69E-08
18	*	*	0.16	0.000	0.000	0.0558	0.0010	0.0001	4.38E-08	0.2241	0.0032	2.69E-08
19	*	*	0.04	0.000	0.004	0.0558	0.0008	0.0000	3.96E-08	0.2241	0.0032	2.69E-08
20	*	*	0.00	0.000	0.008	0.0558	0.0007	0.0000	3.60E-08	0.2241	0.0032	2.69E-08
21	*	*	0.05	0.000	0.000	0.0558	0.0006	0.0000	3.29E-08	0.2241	0.0032	2.69E-08
22	*	*	0.00	0.000	0.013	0.0558	0.0005	0.0000	3.02E-08	0.2241	0.0032	2.69E-08
23	*	*	0.10	0.000	0.011	0.0558	0.0005	0.0000	2.79E-08	0.2241	0.0032	2.69E-08
24	*	*	0.00	0.000	0.027	0.0558	0.0004	0.0000	2.59E-08	0.2240	0.0032	2.69E-08
25		*	0.00	0.100	0.000	0.0792	0.0003	0.0000	2.42E-08	0.2240	0.0032	2.69E-08
26		*	0.01	0.000	0.003	0.0795	0.0003	0.0000	2.27E-08	0.2240	0.0032	2.69E-08
27	*	*	0.13	0.000	0.028	0.0795	0.0003	0.0000	2.15E-08	0.2240	0.0032	2.69E-08
28		*	0.01	0.000	0.037	0.0824	0.0002	0.0000	2.04E-08	0.2240	0.0032	2.69E-08
29		*	0.00	0.000	0.000	0.0824	0.0002	0.0000	1.94E-08	0.2239	0.0032	2.69E-08

30		*	0.00	0.000	0.000	0.0824	0.0002	0.0000	1.86E-08	0.2239	0.0032	2.69E-08
31		*	0.00	0.000	0.000	0.0824	0.0001	0.0000	1.79E-08	0.2239	0.0032	2.69E-08
32	*	*	0.00	0.000	0.000	0.0824	0.0001	0.0000	1.73E-08	0.2239	0.0032	2.69E-08
33	*	*	0.00	0.000	0.000	0.0824	0.0001	0.0000	1.68E-08	0.2239	0.0032	2.69E-08
34	*	*	0.10	0.000	0.025	0.0824	0.0001	0.0000	1.64E-08	0.2239	0.0032	2.69E-08
35		*	0.02	0.000	0.038	0.0847	0.0001	0.0000	1.60E-08	0.2238	0.0032	2.69E-08
36		*	0.00	0.000	0.000	0.0847	0.0001	0.0000	1.57E-08	0.2238	0.0032	2.69E-08
37		*	0.00	0.000	0.000	0.0847	0.0001	0.0000	1.54E-08	0.2238	0.0032	2.69E-08
38		*	0.00	0.000	0.000	0.0847	0.0000	0.0000	1.51E-08	0.2238	0.0032	2.69E-08
39	*	*	0.00	0.000	0.000	0.0847	0.0000	0.0000	1.49E-08	0.2238	0.0032	2.69E-08
40	*	*	0.02	0.000	0.024	0.0847	0.0000	0.0000	1.47E-08	0.2238	0.0032	2.69E-08
41		*	0.00	0.000	0.000	0.0847	0.0000	0.0000	1.46E-08	0.2237	0.0032	2.69E-08
42		*	0.00	0.000	0.000	0.0847	0.0000	0.0000	1.44E-08	0.2237	0.0032	2.69E-08
43	*	*	0.00	0.000	0.000	0.0847	0.0000	0.0000	1.43E-08	0.2237	0.0032	2.69E-08
44	*	*	0.00	0.000	0.000	0.0847	0.0000	0.0000	1.42E-08	0.2237	0.0032	2.69E-08
45	*	*	0.05	0.000	0.018	0.0847	0.0000	0.0000	1.41E-08	0.2237	0.0032	2.69E-08
46	*	*	0.29	0.000	0.013	0.0847	0.0000	0.0000	1.41E-08	0.2236	0.0032	2.69E-08
47	*	*	0.15	0.000	0.005	0.0847	0.0000	0.0000	1.40E-08	0.2236	0.0032	2.69E-08
48	*	*	0.10	0.000	0.002	0.0847	0.0000	0.0000	1.39E-08	0.2236	0.0032	2.69E-08
49	*	*	0.19	0.000	0.006	0.0847	0.0000	0.0000	1.39E-08	0.2236	0.0032	2.68E-08
50	*	*	0.00	0.000	0.025	0.0847	0.0000	0.0000	1.39E-08	0.2236	0.0032	2.68E-08
51	*	*	0.00	0.000	0.009	0.0847	0.0000	0.0000	1.38E-08	0.2236	0.0032	2.68E-08
52		*	0.00	0.000	0.000	0.0847	0.0000	0.0000	1.38E-08	0.2235	0.0032	2.68E-08
53		*	0.00	0.172	0.000	0.1070	0.0000	0.0000	1.38E-08	0.2235	0.0032	2.68E-08
54		*	0.00	0.000	0.000	0.1070	0.0000	0.0000	1.37E-08	0.2235	0.0032	2.68E-08
55		*	0.00	0.000	0.000	0.1070	0.0000	0.0000	1.37E-08	0.2235	0.0032	2.68E-08
56		*	0.19	0.001	0.003	0.1146	0.0000	0.0000	1.37E-08	0.2235	0.0032	2.68E-08
57	*	*	0.00	0.000	0.002	0.1146	0.0000	0.0000	1.37E-08	0.2234	0.0032	2.68E-08
58	*	*	0.04	0.000	0.013	0.1146	0.0000	0.0000	1.37E-08	0.2234	0.0032	2.68E-08
59	*	*	0.00	0.000	0.030	0.1146	0.0000	0.0000	1.37E-08	0.2234	0.0032	2.68E-08
60	*	*	0.00	0.000	0.000	0.1146	0.0000	0.0000	1.37E-08	0.2234	0.0032	2.68E-08
61	*	*	0.00	0.000	0.000	0.1146	0.0000	0.0000	1.36E-08	0.2234	0.0032	2.68E-08
62	*	*	0.00	0.000	0.000	0.1146	0.0000	0.0000	1.36E-08	0.2234	0.0032	2.68E-08
63	*	*	0.00	0.000	0.000	0.1146	0.0000	0.0000	1.36E-08	0.2233	0.0032	2.68E-08
64		*	0.00	0.000	0.000	0.1146	0.0000	0.0000	1.36E-08	0.2233	0.0032	2.68E-08
65	*	*	0.00	0.000	0.000	0.1146	0.0000	0.0000	1.36E-08	0.2233	0.0032	2.68E-08
66		*	0.00	0.000	0.000	0.1146	0.0000	0.0000	1.36E-08	0.2233	0.0032	2.68E-08

67		*	0.01	0.000	0.002	0.1148	0.0000	0.0000	1.36E-08	0.2233	0.0032	2.68E-08
68	*	*	0.00	0.000	0.000	0.1148	0.0000	0.0000	1.36E-08	0.2232	0.0032	2.68E-08
69	*	*	0.58	0.000	0.024	0.1148	0.0000	0.0000	1.36E-08	0.2232	0.0032	2.68E-08
70	*	*	0.00	0.000	0.022	0.1148	0.0000	0.0000	1.36E-08	0.2232	0.0032	2.68E-08
71		*	0.00	0.019	0.000	0.1257	0.0000	0.0000	1.36E-08	0.2232	0.0032	2.68E-08
72	*	*	0.24	0.000	0.012	0.1257	0.0000	0.0000	1.36E-08	0.2232	0.0032	2.68E-08
73		*	0.22	0.251	0.000	0.1444	0.0000	0.0000	1.07E-08	0.2232	0.0032	2.68E-08
74		*	0.00	0.000	0.000	0.1444	0.0000	0.0000	0.00E+00	0.2231	0.0032	2.68E-08
75	*	*	0.00	0.000	0.000	0.1444	0.0000	0.0000	0.00E+00	0.2231	0.0032	2.68E-08
76	*	*	0.03	0.000	0.018	0.1444	0.0000	0.0000	0.00E+00	0.2231	0.0032	2.68E-08
77	*	*	0.00	0.000	0.005	0.1444	0.0000	0.0000	0.00E+00	0.2231	0.0032	2.68E-08
78	*	*	0.00	0.000	0.005	0.1444	0.0000	0.0000	0.00E+00	0.2231	0.0032	2.68E-08
79	*	*	0.08	0.000	0.008	0.1444	0.0000	0.0000	0.00E+00	0.2230	0.0032	2.68E-08
80		*	0.01	0.000	0.038	0.1464	0.0000	0.0000	0.00E+00	0.2230	0.0032	2.68E-08
81		*	0.03	0.000	0.002	0.1475	0.0000	0.0000	0.00E+00	0.2230	0.0032	2.68E-08
82	*	*	0.00	0.000	0.000	0.1475	0.0000	0.0000	0.00E+00	0.2230	0.0032	2.68E-08
83	*	*	0.42	0.000	0.008	0.1475	0.0000	0.0000	0.00E+00	0.2230	0.0032	2.68E-08
84	*	*	0.08	0.000	0.019	0.1475	0.0000	0.0000	0.00E+00	0.2230	0.0032	2.68E-08
85	*	*	0.02	0.000	0.000	0.1475	0.0000	0.0000	0.00E+00	0.2229	0.0032	2.68E-08
86	*	*	0.00	0.000	0.000	0.1475	0.0000	0.0000	0.00E+00	0.2229	0.0032	2.68E-08
87	*	*	0.01	0.000	0.021	0.1475	0.0000	0.0000	0.00E+00	0.2229	0.0032	2.68E-08
88	*	*	0.00	0.000	0.024	0.1475	0.0000	0.0000	0.00E+00	0.2229	0.0032	2.68E-08
89		*	0.00	0.132	0.075	0.1582	0.0000	0.0000	0.00E+00	0.2229	0.0032	2.68E-08
90		*	0.00	0.000	0.000	0.1582	0.0000	0.0000	0.00E+00	0.2228	0.0032	2.68E-08
91		*	0.00	0.000	0.000	0.1582	0.0000	0.0000	0.00E+00	0.2228	0.0032	2.68E-08
92		*	0.00	0.000	0.000	0.1582	0.0000	0.0000	0.00E+00	0.2228	0.0032	2.68E-08
93		*	0.00	0.000	0.000	0.1582	0.0000	0.0000	0.00E+00	0.2228	0.0032	2.68E-08
94	*	*	0.01	0.000	0.011	0.1582	0.0000	0.0000	0.00E+00	0.2228	0.0032	2.67E-08
95	*	*	0.46	0.000	0.019	0.1582	0.0000	0.0000	0.00E+00	0.2228	0.0032	2.67E-08
96	*	*	0.48	0.000	0.019	0.1582	0.0000	0.0000	0.00E+00	0.2227	0.0032	2.67E-08
97	*	*	0.00	0.000	0.006	0.1582	0.0000	0.0000	0.00E+00	0.2227	0.0032	2.67E-08
98	*	*	0.00	0.000	0.003	0.1582	0.0000	0.0000	0.00E+00	0.2227	0.0032	2.67E-08
99	*	*	0.23	0.000	0.000	0.1582	0.0000	0.0000	0.00E+00	0.2227	0.0032	2.67E-08
100	*	*	0.00	0.000	0.032	0.1582	0.0000	0.0000	0.00E+00	0.2227	0.0032	2.67E-08
101		*	0.00	0.654	0.000	0.1765	0.0000	0.0000	0.00E+00	0.2226	0.0032	2.67E-08
102		*	0.00	0.000	0.000	0.1765	0.0000	0.0000	0.00E+00	0.2226	0.0032	2.67E-08
103		*	0.00	0.000	0.000	0.1765	0.0000	0.0000	0.00E+00	0.2226	0.0032	2.67E-08

104		*	0.01	0.000	0.002	0.1767	0.0000	0.0000	0.00E+00	0.2226	0.0032	2.67E-08
105		*	0.00	0.000	0.000	0.1767	0.0000	0.0000	0.00E+00	0.2226	0.0032	2.67E-08
106		*	0.00	0.000	0.000	0.1767	0.0000	0.0000	0.00E+00	0.2226	0.0032	2.67E-08
107		*	0.02	0.000	0.002	0.1774	0.0000	0.0000	0.00E+00	0.2225	0.0032	2.67E-08
108		*	0.08	0.000	0.002	0.1807	0.0000	0.0000	0.00E+00	0.2225	0.0032	2.67E-08
109		*	0.39	0.134	0.002	0.1913	0.0000	0.0000	0.00E+00	0.2225	0.0032	2.67E-08
110		*	0.38	0.135	0.002	0.2013	0.0000	0.0000	0.00E+00	0.2225	0.0032	2.67E-08
111		*	0.02	0.000	0.002	0.2018	0.0000	0.0000	0.00E+00	0.2225	0.0032	2.67E-08
112		*	0.04	0.000	0.002	0.2034	0.0000	0.0000	0.00E+00	0.2224	0.0032	2.67E-08
113		*	0.62	0.347	0.002	0.2146	0.0000	0.0000	0.00E+00	0.2224	0.0032	2.67E-08
114		*	0.03	0.000	0.002	0.2157	0.0000	0.0000	0.00E+00	0.2224	0.0032	2.67E-08
115			0.31	0.000	0.081	0.2194	2.6344	0.1436	8.61E-05	0.2225	0.0032	2.67E-08
116	*		0.93	0.000	0.033	0.2066	6.0047	0.3273	1.97E-04	0.2228	0.0032	2.68E-08
117	*		0.01	0.000	0.011	0.1962	4.9420	0.2694	1.61E-04	0.2232	0.0032	2.68E-08
118	*		0.02	0.000	0.000	0.1885	3.7465	0.2042	1.21E-04	0.2235	0.0032	2.68E-08
119			0.00	0.000	0.027	0.2154	3.3362	0.1819	1.07E-04	0.2237	0.0032	2.69E-08
120	*		0.00	0.000	0.000	0.2071	3.6689	0.2000	1.18E-04	0.2239	0.0032	2.69E-08
121	*		0.51	0.000	0.043	0.1992	3.8315	0.2089	1.23E-04	0.2240	0.0032	2.69E-08
122			0.13	0.000	0.025	0.2139	3.5540	0.1937	1.14E-04	0.2242	0.0032	2.69E-08
123			0.22	0.000	0.077	0.2124	3.3313	0.1816	1.07E-04	0.2243	0.0032	2.69E-08
124			0.00	0.000	0.131	0.1985	3.7012	0.2018	1.19E-04	0.2244	0.0032	2.69E-08
125			0.00	0.000	0.182	0.1830	3.4837	0.1899	1.12E-04	0.2245	0.0032	2.70E-08
126			0.30	0.000	0.101	0.1838	3.2423	0.1767	1.04E-04	0.2246	0.0032	2.70E-08
127			0.00	0.000	0.158	0.1704	3.0003	0.1635	9.60E-05	0.2246	0.0032	2.70E-08
128			0.10	0.000	0.200	0.1600	2.7106	0.1478	8.66E-05	0.2246	0.0032	2.70E-08
129			0.28	0.000	0.180	0.1587	2.4799	0.1352	7.90E-05	0.2246	0.0032	2.70E-08
130			0.00	0.000	0.185	0.1458	2.2882	0.1247	7.28E-05	0.2246	0.0032	2.70E-08
131			0.18	0.000	0.212	0.1399	2.0516	0.1118	6.51E-05	0.2245	0.0032	2.70E-08
132			0.00	0.000	0.142	0.1299	1.8125	0.0988	5.74E-05	0.2244	0.0032	2.69E-08
133	*		0.13	0.000	0.041	0.1270	1.6149	0.0880	5.11E-05	0.2243	0.0032	2.69E-08
134			0.00	0.000	0.125	0.1216	1.4216	0.0775	4.49E-05	0.2242	0.0032	2.69E-08
135			0.03	0.000	0.056	0.1175	1.2536	0.0683	3.95E-05	0.2240	0.0032	2.69E-08
136			0.00	0.000	0.042	0.1132	1.1047	0.0602	3.48E-05	0.2239	0.0032	2.69E-08
137			0.40	0.000	0.037	0.1262	0.9866	0.0538	3.10E-05	0.2237	0.0032	2.69E-08
138			1.26	0.000	0.090	0.1732	0.8834	0.0482	2.77E-05	0.2236	0.0032	2.68E-08
139			0.74	0.000	0.226	0.1920	1.0890	0.0594	3.43E-05	0.2234	0.0032	2.68E-08
140			0.00	0.000	0.211	0.1791	1.8092	0.0986	5.73E-05	0.2233	0.0032	2.68E-08

141	0.09	0.000	0.335	0.1635	2.4277	0.1323	7.73E-05	0.2232	0.0032	2.68E-08
142	0.01	0.000	0.228	0.1490	2.4224	0.1320	7.72E-05	0.2232	0.0032	2.68E-08
143	0.34	0.000	0.136	0.1526	2.2397	0.1221	7.12E-05	0.2232	0.0032	2.68E-08
144	0.11	0.000	0.403	0.1357	2.0679	0.1127	6.57E-05	0.2231	0.0032	2.68E-08
145	0.00	0.000	0.058	0.1291	1.8626	0.1015	5.90E-05	0.2231	0.0032	2.68E-08
146	0.00	0.000	0.045	0.1234	1.6693	0.0910	5.28E-05	0.2230	0.0032	2.68E-08
147	0.00	0.000	0.038	0.1184	1.4939	0.0814	4.72E-05	0.2229	0.0032	2.68E-08
148	0.00	0.000	0.037	0.1138	1.3417	0.0731	4.23E-05	0.2227	0.0032	2.67E-08
149	0.00	0.000	0.036	0.1096	1.2140	0.0662	3.83E-05	0.2226	0.0032	2.67E-08
150	0.00	0.000	0.029	0.1059	1.0992	0.0599	3.46E-05	0.2225	0.0032	2.67E-08
151	0.02	0.000	0.028	0.1031	0.9971	0.0544	3.14E-05	0.2224	0.0032	2.67E-08
152	0.16	0.000	0.031	0.1067	0.8967	0.0489	2.82E-05	0.2222	0.0031	2.67E-08
153	0.61	0.000	0.027	0.1290	0.7930	0.0432	2.49E-05	0.2221	0.0031	2.67E-08
154	0.00	0.000	0.417	0.1100	0.7104	0.0387	2.23E-05	0.2219	0.0031	2.66E-08
155	0.59	0.000	0.027	0.1321	0.6381	0.0348	2.00E-05	0.2218	0.0031	2.66E-08
156	0.02	0.000	0.157	0.1253	0.5550	0.0303	1.74E-05	0.2216	0.0031	2.66E-08
157	0.00	0.000	0.293	0.1120	0.4808	0.0262	1.50E-05	0.2215	0.0031	2.66E-08
158	0.13	0.000	0.123	0.1115	0.4275	0.0233	1.34E-05	0.2213	0.0031	2.66E-08
159	0.04	0.000	0.304	0.0997	0.4109	0.0224	1.28E-05	0.2212	0.0031	2.66E-08
160	0.73	0.000	0.142	0.1233	0.3796	0.0207	1.19E-05	0.2210	0.0031	2.65E-08
161	0.00	0.000	0.309	0.1096	0.3560	0.0194	1.11E-05	0.2209	0.0031	2.65E-08
162	0.00	0.000	0.288	0.0968	0.3403	0.0186	1.06E-05	0.2208	0.0031	2.65E-08
163	0.00	0.000	0.142	0.0902	0.2977	0.0162	9.29E-06	0.2206	0.0031	2.65E-08
164	0.00	0.000	0.062	0.0870	0.2696	0.0147	8.41E-06	0.2205	0.0031	2.65E-08
165	0.20	0.000	0.052	0.0925	0.2515	0.0137	7.85E-06	0.2204	0.0031	2.65E-08
166	1.60	0.000	0.044	0.1566	0.2365	0.0129	7.38E-06	0.2203	0.0031	2.64E-08
167	0.18	0.000	0.239	0.1536	0.2220	0.0121	6.93E-06	0.2202	0.0031	2.64E-08
168	0.07	0.000	0.317	0.1422	0.4678	0.0255	1.46E-05	0.2201	0.0031	2.64E-08
169	0.09	0.000	0.326	0.1305	0.7366	0.0402	2.31E-05	0.2200	0.0031	2.64E-08
170	0.01	0.000	0.349	0.1144	0.8080	0.0440	2.54E-05	0.2199	0.0031	2.64E-08
171	0.02	0.000	0.157	0.1066	0.8422	0.0459	2.64E-05	0.2199	0.0031	2.64E-08
172	0.22	0.000	0.073	0.1111	0.8014	0.0437	2.52E-05	0.2199	0.0031	2.64E-08
173	0.00	0.000	0.068	0.1067	0.6975	0.0380	2.19E-05	0.2198	0.0031	2.64E-08
174	0.00	0.000	0.065	0.1025	0.6611	0.0360	2.07E-05	0.2197	0.0031	2.64E-08
175	0.07	0.000	0.049	0.1018	0.6475	0.0353	2.03E-05	0.2197	0.0031	2.64E-08
176	0.00	0.000	0.046	0.0984	0.6326	0.0345	1.98E-05	0.2196	0.0031	2.64E-08
177	0.00	0.000	0.047	0.0951	0.6131	0.0334	1.92E-05	0.2196	0.0031	2.64E-08

178	0.00	0.000	0.040	0.0921	0.5908	0.0322	1.85E-05	0.2195	0.0031	2.64E-08
179	0.00	0.000	0.055	0.0885	0.5574	0.0304	1.75E-05	0.2195	0.0031	2.64E-08
180	0.22	0.000	0.069	0.0937	0.5237	0.0286	1.64E-05	0.2194	0.0031	2.63E-08
181	0.09	0.000	0.072	0.0933	0.4804	0.0262	1.50E-05	0.2194	0.0031	2.63E-08
182	0.02	0.000	0.061	0.0904	0.4282	0.0233	1.34E-05	0.2193	0.0031	2.63E-08
183	0.19	0.000	0.045	0.0954	0.3979	0.0217	1.24E-05	0.2193	0.0031	2.63E-08
184	0.01	0.000	0.151	0.0886	0.3708	0.0202	1.16E-05	0.2192	0.0031	2.63E-08
185	0.11	0.000	0.065	0.0898	0.3552	0.0194	1.11E-05	0.2191	0.0031	2.63E-08
186	0.40	0.000	0.084	0.1022	0.3425	0.0187	1.07E-05	0.2191	0.0031	2.63E-08
187	0.07	0.000	0.134	0.0988	0.3232	0.0176	1.01E-05	0.2190	0.0031	2.63E-08
188	0.00	0.000	0.331	0.0843	0.2954	0.0161	9.22E-06	0.2190	0.0031	2.63E-08
189	0.29	0.000	0.230	0.0863	0.2682	0.0146	8.37E-06	0.2189	0.0031	2.63E-08
190	0.01	0.000	0.151	0.0801	0.2590	0.0141	8.08E-06	0.2189	0.0031	2.63E-08
191	0.02	0.000	0.366	0.0650	0.2658	0.0145	8.30E-06	0.2188	0.0031	2.63E-08
192	0.00	0.000	0.154	0.0580	0.2749	0.0150	8.58E-06	0.2188	0.0031	2.63E-08
193	0.02	0.000	0.085	0.0545	0.2650	0.0144	8.27E-06	0.2187	0.0031	2.63E-08
194	0.00	0.000	0.075	0.0508	0.2642	0.0144	8.25E-06	0.2187	0.0031	2.63E-08
195	0.00	0.000	0.128	0.0446	0.3655	0.0199	1.14E-05	0.2187	0.0031	2.63E-08
196	0.00	0.000	0.100	0.0398	0.2963	0.0162	9.25E-06	0.2186	0.0031	2.63E-08
197	0.03	0.000	0.050	0.0388	0.1345	0.0073	4.19E-06	0.2186	0.0031	2.62E-08
198	0.00	0.000	0.060	0.0362	0.0218	0.0008	4.78E-07	0.2186	0.0031	2.62E-08
199	0.42	0.000	0.078	0.0505	0.0000	0.0000	0.00E+00	0.2185	0.0031	2.62E-08
200	0.20	0.000	0.082	0.0556	0.0000	0.0000	0.00E+00	0.2185	0.0031	2.62E-08
201	0.00	0.000	0.152	0.0492	0.0000	0.0000	0.00E+00	0.2184	0.0031	2.62E-08
202	0.00	0.000	0.086	0.0457	0.0000	0.0000	0.00E+00	0.2184	0.0031	2.62E-08
203	0.00	0.000	0.050	0.0436	0.0000	0.0000	0.00E+00	0.2183	0.0031	2.62E-08
204	0.00	0.000	0.083	0.0401	0.0000	0.0000	0.00E+00	0.2183	0.0031	2.62E-08
205	0.24	0.000	0.098	0.0462	0.0000	0.0000	0.00E+00	0.2183	0.0031	2.62E-08
206	0.23	0.000	0.219	0.0466	0.0000	0.0000	0.00E+00	0.2182	0.0031	2.62E-08
207	0.14	0.000	0.084	0.0491	0.0000	0.0000	0.00E+00	0.2182	0.0031	2.62E-08
208	0.65	0.000	0.171	0.0690	0.0000	0.0000	0.00E+00	0.2182	0.0031	2.62E-08
209	0.00	0.000	0.169	0.0619	0.0000	0.0000	0.00E+00	0.2181	0.0031	2.62E-08
210	0.42	0.000	0.112	0.0746	0.0000	0.0000	0.00E+00	0.2181	0.0031	2.62E-08
211	0.03	0.000	0.274	0.0643	0.0000	0.0000	0.00E+00	0.2181	0.0031	2.62E-08
212	0.13	0.000	0.290	0.0577	0.0000	0.0000	0.00E+00	0.2181	0.0031	2.62E-08
213	0.27	0.000	0.341	0.0546	0.0000	0.0000	0.00E+00	0.2181	0.0031	2.62E-08
214	0.54	0.000	0.125	0.0720	0.0000	0.0000	0.00E+00	0.2181	0.0031	2.62E-08

215	0.00	0.000	0.327	0.0584	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
216	0.00	0.000	0.222	0.0491	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
217	0.00	0.000	0.112	0.0446	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
218	0.00	0.000	0.226	0.0351	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
219	0.00	0.000	0.050	0.0330	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
220	0.00	0.000	0.013	0.0325	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
221	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
222	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
223	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
224	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
225	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
226	0.07	0.000	0.019	0.0347	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
227	0.00	0.000	0.008	0.0344	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
228	0.00	0.000	0.015	0.0338	0.0000	0.0000	0.00E+00	0.2179	0.0031	2.62E-08
229	0.72	0.000	0.046	0.0618	0.0000	0.0000	0.00E+00	0.2179	0.0031	2.62E-08
230	0.00	0.000	0.124	0.0566	0.0000	0.0000	0.00E+00	0.2179	0.0031	2.62E-08
231	0.00	0.000	0.133	0.0511	0.0000	0.0000	0.00E+00	0.2179	0.0031	2.62E-08
232	0.05	0.000	0.196	0.0448	0.0000	0.0000	0.00E+00	0.2179	0.0031	2.62E-08
233	0.00	0.000	0.233	0.0351	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
234	1.46	0.000	0.137	0.0901	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
235	0.93	0.000	0.091	0.1252	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
236	0.00	0.000	0.181	0.1178	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
237	0.00	0.000	0.179	0.1103	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
238	0.51	0.000	0.106	0.1271	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
239	0.00	0.000	0.257	0.1163	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
240	0.50	0.000	0.122	0.1323	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
241	0.12	0.000	0.098	0.1334	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
242	0.00	0.000	0.143	0.1274	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
243	0.00	0.000	0.239	0.1174	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
244	0.00	0.000	0.177	0.1101	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
245	0.00	0.000	0.162	0.1033	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
246	0.00	0.000	0.121	0.0982	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
247	0.25	0.000	0.069	0.1058	0.0000	0.0000	0.00E+00	0.2180	0.0031	2.62E-08
248	0.05	0.000	0.057	0.1055	0.0090	0.0005	2.84E-07	0.2180	0.0031	2.62E-08
249	0.05	0.000	0.050	0.1052	0.0822	0.0045	2.56E-06	0.2180	0.0031	2.62E-08
250	0.01	0.000	0.038	0.1035	0.1545	0.0084	4.82E-06	0.2180	0.0031	2.62E-08
251	0.26	0.000	0.042	0.1123	0.2098	0.0114	6.55E-06	0.2180	0.0031	2.62E-08

252		0.32	0.000	0.216	0.1160	0.2507	0.0137	7.82E-06	0.2181	0.0031	2.62E-08
253		0.00	0.000	0.135	0.1098	0.2708	0.0148	8.45E-06	0.2181	0.0031	2.62E-08
254		0.00	0.000	0.153	0.1028	0.2778	0.0151	8.67E-06	0.2181	0.0031	2.62E-08
255		0.00	0.000	0.084	0.0987	0.2717	0.0148	8.48E-06	0.2181	0.0031	2.62E-08
256		0.00	0.000	0.054	0.0959	0.2563	0.0140	8.00E-06	0.2181	0.0031	2.62E-08
257		0.00	0.000	0.041	0.0936	0.2545	0.0139	7.94E-06	0.2182	0.0031	2.62E-08
258		0.12	0.000	0.048	0.0960	0.2535	0.0138	7.91E-06	0.2182	0.0031	2.62E-08
259		0.02	0.000	0.040	0.0944	0.2464	0.0134	7.69E-06	0.2182	0.0031	2.62E-08
260		0.05	0.000	0.041	0.0942	0.2426	0.0132	7.57E-06	0.2182	0.0031	2.62E-08
261		0.00	0.000	0.026	0.0926	0.2386	0.0130	7.45E-06	0.2182	0.0031	2.62E-08
262		0.00	0.000	0.029	0.0911	0.2339	0.0128	7.30E-06	0.2182	0.0031	2.62E-08
263		0.00	0.000	0.024	0.0896	0.2300	0.0125	7.18E-06	0.2182	0.0031	2.62E-08
264		0.31	0.000	0.034	0.1006	0.2209	0.0120	6.89E-06	0.2182	0.0031	2.62E-08
265		0.00	0.000	0.068	0.0974	0.2058	0.0112	6.42E-06	0.2182	0.0031	2.62E-08
266		0.33	0.000	0.034	0.1093	0.1929	0.0105	6.02E-06	0.2182	0.0031	2.62E-08
267		0.85	0.000	0.121	0.1394	0.1807	0.0099	5.64E-06	0.2182	0.0031	2.62E-08
268		0.03	0.000	0.112	0.1356	0.1697	0.0093	5.29E-06	0.2182	0.0031	2.62E-08
269		0.00	0.000	0.105	0.1308	0.1732	0.0094	5.40E-06	0.2182	0.0031	2.62E-08
270		0.01	0.000	0.105	0.1266	0.1580	0.0086	4.93E-06	0.2182	0.0031	2.62E-08
271		0.42	0.000	0.071	0.1408	0.1373	0.0075	4.28E-06	0.2182	0.0031	2.62E-08
272		0.10	0.000	0.064	0.1421	0.1539	0.0084	4.80E-06	0.2182	0.0031	2.62E-08
273		0.00	0.000	0.084	0.1381	0.2132	0.0116	6.65E-06	0.2182	0.0031	2.62E-08
274		0.00	0.000	0.109	0.1328	0.2981	0.0162	9.31E-06	0.2182	0.0031	2.62E-08
275		0.00	0.000	0.083	0.1286	0.3186	0.0174	9.95E-06	0.2182	0.0031	2.62E-08
276		0.00	0.000	0.073	0.1249	0.3186	0.0174	9.95E-06	0.2182	0.0031	2.62E-08
277		0.00	0.000	0.040	0.1224	0.3527	0.0192	1.10E-05	0.2183	0.0031	2.62E-08
278	*	0.00	0.000	0.000	0.1215	0.3894	0.0212	1.22E-05	0.2183	0.0031	2.62E-08
279	*	0.00	0.000	0.000	0.1206	0.4015	0.0219	1.26E-05	0.2183	0.0031	2.62E-08
280	*	0.00	0.000	0.000	0.1196	0.4214	0.0230	1.32E-05	0.2183	0.0031	2.62E-08
281		0.00	0.000	0.090	0.1149	0.4389	0.0239	1.37E-05	0.2183	0.0031	2.62E-08
282		0.00	0.000	0.091	0.1100	0.4670	0.0255	1.46E-05	0.2183	0.0031	2.62E-08
283		0.00	0.000	0.078	0.1058	0.4580	0.0250	1.43E-05	0.2183	0.0031	2.62E-08
284		0.00	0.000	0.054	0.1025	0.4578	0.0250	1.43E-05	0.2183	0.0031	2.62E-08
285		0.00	0.000	0.041	0.0997	0.4456	0.0243	1.39E-05	0.2183	0.0031	2.62E-08
286		0.00	0.000	0.035	0.0973	0.4346	0.0237	1.36E-05	0.2183	0.0031	2.62E-08
287		0.09	0.000	0.038	0.0984	0.3995	0.0218	1.25E-05	0.2183	0.0031	2.62E-08
288		0.00	0.000	0.028	0.0964	0.3641	0.0198	1.14E-05	0.2183	0.0031	2.62E-08

289	*	0.00	0.000	0.000	0.0957	0.3370	0.0184	1.05E-05	0.2183	0.0031	2.62E-08
290	*	0.00	0.000	0.000	0.0949	0.3196	0.0174	9.98E-06	0.2183	0.0031	2.62E-08
291	*	0.00	0.000	0.025	0.0932	0.3096	0.0169	9.67E-06	0.2183	0.0031	2.62E-08
292	*	0.05	0.000	0.043	0.0926	0.3001	0.0164	9.37E-06	0.2183	0.0031	2.62E-08
293		0.01	0.000	0.030	0.0913	0.2902	0.0158	9.06E-06	0.2183	0.0031	2.62E-08
294		0.20	0.000	0.029	0.0978	0.2808	0.0153	8.77E-06	0.2183	0.0031	2.62E-08
295		0.00	0.000	0.021	0.0964	0.2692	0.0147	8.40E-06	0.2183	0.0031	2.62E-08
296		0.00	0.000	0.020	0.0949	0.2548	0.0139	7.95E-06	0.2182	0.0031	2.62E-08
297	*	0.00	0.000	0.000	0.0944	0.2431	0.0133	7.59E-06	0.2182	0.0031	2.62E-08
298		0.00	0.000	0.019	0.0931	0.2344	0.0128	7.31E-06	0.2182	0.0031	2.62E-08
299	*	0.00	0.000	0.018	0.0918	0.2263	0.0123	7.06E-06	0.2182	0.0031	2.62E-08
300	*	0.00	0.000	0.018	0.0905	0.2167	0.0118	6.76E-06	0.2182	0.0031	2.62E-08
301		0.27	0.000	0.023	0.1004	0.2061	0.0112	6.43E-06	0.2182	0.0031	2.62E-08
302	*	0.18	0.000	0.031	0.1007	0.1942	0.0106	6.06E-06	0.2181	0.0031	2.62E-08
303		0.44	0.000	0.000	0.1239	0.1823	0.0099	5.68E-06	0.2181	0.0031	2.62E-08
304		0.01	0.000	0.076	0.1209	0.1749	0.0095	5.45E-06	0.2181	0.0031	2.62E-08
305		0.10	0.000	0.101	0.1207	0.1582	0.0086	4.93E-06	0.2181	0.0031	2.62E-08
306		0.00	0.000	0.071	0.1174	0.1456	0.0079	4.54E-06	0.2180	0.0031	2.62E-08
307	*	0.02	0.000	0.033	0.1167	0.1429	0.0078	4.45E-06	0.2180	0.0031	2.62E-08
308		0.00	0.000	0.037	0.1148	0.1460	0.0080	4.55E-06	0.2180	0.0031	2.62E-08
309		0.00	0.000	0.106	0.1101	0.1506	0.0082	4.69E-06	0.2180	0.0031	2.62E-08
310		0.10	0.000	0.062	0.1111	0.1489	0.0081	4.64E-06	0.2180	0.0031	2.62E-08
311		0.00	0.000	0.064	0.1082	0.1366	0.0074	4.26E-06	0.2179	0.0031	2.62E-08
312		0.00	0.000	0.145	0.1018	0.1352	0.0074	4.21E-06	0.2179	0.0031	2.62E-08
313		0.00	0.000	0.115	0.0967	0.1346	0.0073	4.20E-06	0.2179	0.0031	2.62E-08
314		0.00	0.000	0.122	0.0913	0.1255	0.0068	3.91E-06	0.2179	0.0031	2.62E-08
315		0.00	0.000	0.047	0.0891	0.1081	0.0059	3.37E-06	0.2179	0.0031	2.62E-08
316		0.00	0.000	0.041	0.0872	0.0990	0.0054	3.09E-06	0.2178	0.0031	2.62E-08
317	*	0.00	0.000	0.000	0.0870	0.0986	0.0054	3.07E-06	0.2178	0.0031	2.62E-08
318	*	0.00	0.000	0.025	0.0857	0.0961	0.0052	2.99E-06	0.2178	0.0031	2.61E-08
319		0.00	0.000	0.031	0.0842	0.0936	0.0051	2.92E-06	0.2178	0.0031	2.61E-08
320	*	0.00	0.000	0.000	0.0840	0.0871	0.0047	2.71E-06	0.2178	0.0031	2.61E-08
321	*	0.00	0.000	0.000	0.0839	0.0753	0.0041	2.34E-06	0.2177	0.0031	2.61E-08
322	*	0.00	0.000	0.000	0.0837	0.0648	0.0035	2.02E-06	0.2177	0.0031	2.61E-08
323	*	0.16	0.000	0.011	0.0844	0.0559	0.0030	1.74E-06	0.2177	0.0031	2.61E-08
324	*	0.00	0.000	0.005	0.0851	0.0482	0.0026	1.50E-06	0.2177	0.0031	2.61E-08
325	*	0.00	0.000	0.006	0.0858	0.0427	0.0023	1.33E-06	0.2176	0.0031	2.61E-08

326				0.00	0.000	0.024	0.0882	0.0394	0.0021	1.23E-06	0.2176	0.0031	2.61E-08
327				0.00	0.000	0.028	0.0869	0.0398	0.0022	1.24E-06	0.2176	0.0031	2.61E-08
328	*			0.00	0.000	0.000	0.0868	0.0395	0.0022	1.23E-06	0.2176	0.0031	2.61E-08
329	*			0.00	0.000	0.000	0.0867	0.0402	0.0022	1.25E-06	0.2176	0.0031	2.61E-08
330	*			0.01	0.000	0.002	0.0871	0.0422	0.0023	1.31E-06	0.2176	0.0031	2.61E-08
331	*			0.00	0.000	0.000	0.0870	0.0451	0.0025	1.40E-06	0.2175	0.0031	2.61E-08
332	*			0.00	0.000	0.000	0.0869	0.0484	0.0026	1.51E-06	0.2175	0.0031	2.61E-08
333	*			0.00	0.000	0.000	0.0868	0.0519	0.0028	1.61E-06	0.2175	0.0031	2.61E-08
334	*	*		0.00	0.000	0.000	0.0867	0.0511	0.0028	1.59E-06	0.2175	0.0031	2.61E-08
335		*		0.00	0.000	0.000	0.0866	0.0440	0.0024	1.37E-06	0.2175	0.0031	2.61E-08
336		*		0.00	0.000	0.003	0.0865	0.0379	0.0021	1.18E-06	0.2175	0.0031	2.61E-08
337		*		0.06	0.000	0.004	0.0888	0.0326	0.0018	1.02E-06	0.2174	0.0031	2.61E-08
338		*		0.00	0.000	0.000	0.0887	0.0281	0.0015	8.79E-07	0.2174	0.0031	2.61E-08
339		*		0.00	0.000	0.000	0.0887	0.0242	0.0013	7.59E-07	0.2174	0.0031	2.61E-08
340		*		0.00	0.000	0.000	0.0886	0.0208	0.0011	6.55E-07	0.2174	0.0031	2.61E-08
341		*		0.00	0.000	0.000	0.0886	0.0180	0.0010	5.66E-07	0.2174	0.0031	2.61E-08
342		*		0.00	0.000	0.000	0.0886	0.0155	0.0008	4.89E-07	0.2174	0.0031	2.61E-08
343		*		0.00	0.000	0.000	0.0885	0.0133	0.0007	4.23E-07	0.2173	0.0031	2.61E-08
344		*		0.19	0.000	0.004	0.0962	0.0115	0.0006	3.67E-07	0.2173	0.0031	2.61E-08
345		*		0.00	0.000	0.000	0.0962	0.0099	0.0005	3.18E-07	0.2173	0.0031	2.61E-08
346	*	*		0.00	0.000	0.000	0.0962	0.0085	0.0005	2.75E-07	0.2173	0.0031	2.61E-08
347	*	*		0.00	0.000	0.000	0.0962	0.0073	0.0004	2.39E-07	0.2173	0.0031	2.61E-08
348	*	*		0.00	0.000	0.000	0.0962	0.0063	0.0003	2.08E-07	0.2173	0.0031	2.61E-08
349	*	*		0.00	0.000	0.000	0.0962	0.0054	0.0003	1.81E-07	0.2173	0.0031	2.61E-08
350		*		0.00	0.000	0.000	0.0961	0.0047	0.0003	1.58E-07	0.2172	0.0031	2.61E-08
351	*	*		0.21	0.000	0.012	0.0961	0.0040	0.0002	1.38E-07	0.2172	0.0031	2.61E-08
352	*	*		0.05	0.000	0.005	0.0961	0.0035	0.0002	1.20E-07	0.2172	0.0031	2.61E-08
353	*	*		0.02	0.000	0.010	0.0961	0.0030	0.0002	1.06E-07	0.2172	0.0031	2.61E-08
354		*		0.00	0.001	0.000	0.1066	0.0026	0.0001	9.29E-08	0.2172	0.0031	2.61E-08
355	*	*		0.00	0.000	0.000	0.1066	0.0022	0.0001	8.18E-08	0.2172	0.0031	2.61E-08
356		*		0.11	0.000	0.003	0.1112	0.0019	0.0001	7.23E-08	0.2172	0.0031	2.61E-08
357		*		0.00	0.000	0.000	0.1112	0.0016	0.0001	6.42E-08	0.2171	0.0031	2.61E-08
358		*		0.03	0.000	0.003	0.1122	0.0014	0.0001	5.72E-08	0.2171	0.0031	2.61E-08
359		*		0.13	0.000	0.003	0.1175	0.0012	0.0001	5.11E-08	0.2171	0.0031	2.61E-08
360		*		0.00	0.000	0.000	0.1175	0.0011	0.0001	4.59E-08	0.2171	0.0031	2.61E-08
361		*		0.00	0.000	0.000	0.1175	0.0009	0.0000	4.14E-08	0.2171	0.0031	2.61E-08
362	*	*		0.00	0.000	0.000	0.1175	0.0008	0.0000	3.76E-08	0.2171	0.0031	2.61E-08

363	*	*	0.00	0.000	0.000	0.1175	0.0007	0.0000	3.42E-08	0.2171	0.0031	2.61E-08
364	*	*	0.00	0.000	0.000	0.1175	0.0006	0.0000	3.14E-08	0.2171	0.0031	2.61E-08
365	*	*	0.00	0.000	0.000	0.1175	0.0005	0.0000	2.89E-08	0.2171	0.0031	2.61E-08

* = Frozen (air or soil)

Annual Totals for Year 23			
	inches	cubic feet	percent
Precipitation	32.23	983,795.8	100.00
Runoff	1.946	59,393.8	6.04
Evapotranspiration	21.898	668,520.8	67.95
Drainage Collected from Layer 2	7.0022	213,765.8	21.73
Percolation/Leakage through Layer 3	0.004085	124.7	0.01
Average Head on Top of Layer 3	0.3519	---	---
Drainage Collected from Layer 5	1.1401	34,805.0	3.54
Percolation/Leakage through Layer 7	0.000010	0.2950	0.00
Average Head on Top of Layer 6	0.2205	---	---
Change in Water Storage	0.2395	7,310.1	0.74
Soil Water at Start of Year	290.5673	8,870,526.6	901.66
Soil Water at End of Year	290.9085	8,880,941.7	902.72
Snow Water at Start of Year	0.1017	3,105.1	0.32
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 24

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1175	0.0004	0.0000	2.68E-08	0.2170	0.0031	2.61E-08
2	*	*	0.00	0.000	0.000	0.1175	0.0004	0.0000	2.50E-08	0.2170	0.0031	2.61E-08
3	*	*	0.00	0.000	0.000	0.1175	0.0003	0.0000	2.34E-08	0.2170	0.0031	2.61E-08
4	*	*	0.00	0.000	0.000	0.1175	0.0003	0.0000	2.20E-08	0.2170	0.0031	2.61E-08
5	*	*	0.00	0.000	0.000	0.1175	0.0002	0.0000	2.09E-08	0.2170	0.0031	2.61E-08
6	*	*	0.13	0.000	0.023	0.1175	0.0002	0.0000	1.98E-08	0.2170	0.0031	2.61E-08
7	*	*	0.00	0.000	0.022	0.1175	0.0002	0.0000	1.90E-08	0.2170	0.0031	2.61E-08
8	*	*	0.00	0.000	0.007	0.1175	0.0002	0.0000	1.82E-08	0.2170	0.0031	2.60E-08
9	*	*	0.00	0.000	0.023	0.1175	0.0001	0.0000	1.76E-08	0.2170	0.0031	2.60E-08
10	*	*	0.00	0.000	0.008	0.1175	0.0001	0.0000	1.70E-08	0.2169	0.0031	2.60E-08
11	*	*	0.05	0.000	0.000	0.1175	0.0001	0.0000	1.66E-08	0.2169	0.0031	2.60E-08
12	*	*	0.00	0.000	0.023	0.1175	0.0001	0.0000	1.61E-08	0.2169	0.0031	2.60E-08
13	*	*	0.00	0.000	0.009	0.1175	0.0001	0.0000	1.58E-08	0.2169	0.0031	2.60E-08
14	*	*	0.00	0.000	0.004	0.1175	0.0001	0.0000	1.55E-08	0.2169	0.0031	2.60E-08
15	*	*	0.00	0.000	0.008	0.1175	0.0001	0.0000	1.52E-08	0.2169	0.0031	2.60E-08
16	*	*	0.01	0.000	0.008	0.1175	0.0000	0.0000	1.50E-08	0.2169	0.0031	2.60E-08
17	*	*	0.04	0.000	0.009	0.1175	0.0000	0.0000	1.48E-08	0.2169	0.0031	2.60E-08
18	*	*	0.08	0.000	0.000	0.1175	0.0000	0.0000	1.46E-08	0.2169	0.0031	2.60E-08
19	*	*	0.00	0.000	0.010	0.1175	0.0000	0.0000	1.45E-08	0.2168	0.0031	2.60E-08
20	*	*	0.00	0.000	0.026	0.1175	0.0000	0.0000	1.44E-08	0.2168	0.0031	2.60E-08
21	*	*	0.00	0.000	0.011	0.1175	0.0000	0.0000	1.43E-08	0.2168	0.0031	2.60E-08
22	*	*	0.06	0.000	0.010	0.1175	0.0000	0.0000	1.42E-08	0.2168	0.0031	2.60E-08
23	*	*	0.00	0.000	0.029	0.1175	0.0000	0.0000	1.41E-08	0.2168	0.0031	2.60E-08
24	*	*	0.00	0.000	0.022	0.1175	0.0000	0.0000	1.40E-08	0.2168	0.0031	2.60E-08
25		*	0.04	0.000	0.020	0.1232	0.0000	0.0000	1.40E-08	0.2168	0.0031	2.60E-08
26		*	0.01	0.000	0.002	0.1234	0.0000	0.0000	1.39E-08	0.2168	0.0031	2.60E-08
27		*	0.00	0.000	0.000	0.1234	0.0000	0.0000	1.39E-08	0.2168	0.0031	2.60E-08
28	*	*	0.00	0.000	0.003	0.1234	0.0000	0.0000	1.38E-08	0.2167	0.0031	2.60E-08
29	*	*	0.42	0.000	0.016	0.1234	0.0000	0.0000	1.38E-08	0.2167	0.0031	2.60E-08

30		*	0.00	0.045	0.000	0.1384	0.0000	0.0000	1.38E-08	0.2167	0.0031	2.60E-08
31		*	0.00	0.000	0.000	0.1384	0.0000	0.0000	1.37E-08	0.2167	0.0031	2.60E-08
32		*	0.00	0.000	0.000	0.1384	0.0000	0.0000	1.37E-08	0.2167	0.0031	2.60E-08
33	*	*	0.08	0.000	0.021	0.1384	0.0000	0.0000	1.37E-08	0.2167	0.0031	2.60E-08
34		*	0.01	0.000	0.039	0.1396	0.0000	0.0000	1.37E-08	0.2167	0.0031	2.60E-08
35	*	*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.37E-08	0.2167	0.0031	2.60E-08
36		*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.37E-08	0.2167	0.0031	2.60E-08
37		*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.37E-08	0.2166	0.0031	2.60E-08
38	*	*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.37E-08	0.2166	0.0031	2.60E-08
39	*	*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.36E-08	0.2166	0.0031	2.60E-08
40	*	*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.36E-08	0.2166	0.0031	2.60E-08
41	*	*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.36E-08	0.2166	0.0031	2.60E-08
42	*	*	0.00	0.000	0.001	0.1396	0.0000	0.0000	1.36E-08	0.2166	0.0031	2.60E-08
43	*	*	0.00	0.000	0.000	0.1396	0.0000	0.0000	1.36E-08	0.2166	0.0031	2.60E-08
44	*	*	0.15	0.000	0.008	0.1396	0.0000	0.0000	1.36E-08	0.2166	0.0031	2.60E-08
45	*	*	0.41	0.000	0.008	0.1396	0.0000	0.0000	1.36E-08	0.2166	0.0031	2.60E-08
46	*	*	0.00	0.000	0.003	0.1396	0.0000	0.0000	1.36E-08	0.2165	0.0031	2.60E-08
47	*	*	0.01	0.000	0.005	0.1396	0.0000	0.0000	1.36E-08	0.2165	0.0031	2.60E-08
48	*	*	0.00	0.000	0.002	0.1396	0.0000	0.0000	1.36E-08	0.2165	0.0031	2.60E-08
49	*	*	0.00	0.000	0.016	0.1396	0.0000	0.0000	1.36E-08	0.2165	0.0031	2.60E-08
50	*	*	0.00	0.000	0.013	0.1396	0.0000	0.0000	1.36E-08	0.2165	0.0031	2.60E-08
51	*	*	0.00	0.000	0.004	0.1396	0.0000	0.0000	3.30E-09	0.2165	0.0031	2.60E-08
52	*	*	0.08	0.000	0.011	0.1396	0.0000	0.0000	0.00E+00	0.2165	0.0031	2.60E-08
53	*	*	0.00	0.000	0.003	0.1396	0.0000	0.0000	0.00E+00	0.2165	0.0031	2.60E-08
54	*	*	0.00	0.000	0.001	0.1396	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
55	*	*	0.00	0.000	0.005	0.1396	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
56	*	*	0.00	0.000	0.007	0.1396	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
57	*	*	0.00	0.000	0.003	0.1396	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
58	*	*	0.00	0.000	0.005	0.1396	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
59	*	*	0.00	0.000	0.023	0.1396	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
60	*	*	0.00	0.000	0.023	0.1396	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
61		*	0.02	0.127	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2164	0.0031	2.60E-08
62		*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2163	0.0031	2.60E-08
63	*	*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2163	0.0031	2.60E-08
64		*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2163	0.0031	2.60E-08
65	*	*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2163	0.0031	2.60E-08
66	*	*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2163	0.0031	2.60E-08

67	*	*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2163	0.0031	2.60E-08
68	*	*	0.01	0.000	0.007	0.1564	0.0000	0.0000	0.00E+00	0.2163	0.0031	2.60E-08
69	*	*	0.00	0.000	0.001	0.1564	0.0000	0.0000	0.00E+00	0.2162	0.0031	2.60E-08
70	*	*	0.13	0.000	0.036	0.1564	0.0000	0.0000	0.00E+00	0.2162	0.0031	2.60E-08
71	*	*	0.00	0.000	0.028	0.1564	0.0000	0.0000	0.00E+00	0.2162	0.0031	2.60E-08
72	*	*	0.00	0.000	0.024	0.1564	0.0000	0.0000	0.00E+00	0.2162	0.0031	2.60E-08
73	*	*	0.00	0.000	0.033	0.1564	0.0000	0.0000	0.00E+00	0.2162	0.0031	2.60E-08
74	*	*	0.00	0.000	0.010	0.1564	0.0000	0.0000	0.00E+00	0.2162	0.0031	2.60E-08
75	*	*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2162	0.0031	2.60E-08
76	*	*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2161	0.0031	2.59E-08
77	*	*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2161	0.0031	2.59E-08
78		*	0.00	0.000	0.000	0.1564	0.0000	0.0000	0.00E+00	0.2161	0.0031	2.59E-08
79		*	0.02	0.000	0.002	0.1572	0.0000	0.0000	0.00E+00	0.2161	0.0031	2.59E-08
80		*	0.00	0.000	0.000	0.1572	0.0000	0.0000	0.00E+00	0.2161	0.0031	2.59E-08
81		*	0.00	0.000	0.000	0.1572	0.0000	0.0000	0.00E+00	0.2161	0.0031	2.59E-08
82	*	*	0.12	0.000	0.021	0.1572	0.0000	0.0000	0.00E+00	0.2161	0.0031	2.59E-08
83		*	0.12	0.012	0.036	0.1644	0.0000	0.0000	0.00E+00	0.2160	0.0031	2.59E-08
84		*	0.16	0.002	0.002	0.1708	0.0000	0.0000	0.00E+00	0.2160	0.0031	2.59E-08
85		*	0.42	0.111	0.002	0.1838	0.0000	0.0000	0.00E+00	0.2160	0.0031	2.59E-08
86		*	0.08	0.000	0.002	0.1871	0.0000	0.0000	0.00E+00	0.2160	0.0031	2.59E-08
87		*	0.20	0.019	0.002	0.1945	0.0000	0.0000	0.00E+00	0.2160	0.0031	2.59E-08
88	*	*	0.00	0.000	0.000	0.1945	0.0000	0.0000	0.00E+00	0.2160	0.0031	2.59E-08
89		*	0.00	0.000	0.000	0.1945	0.0000	0.0000	0.00E+00	0.2160	0.0031	2.59E-08
90		*	0.00	0.000	0.000	0.1945	0.0000	0.0000	0.00E+00	0.2159	0.0031	2.59E-08
91		*	0.00	0.000	0.000	0.1945	0.0000	0.0000	0.00E+00	0.2159	0.0031	2.59E-08
92		*	0.59	0.273	0.002	0.2077	0.0000	0.0000	0.00E+00	0.2159	0.0031	2.59E-08
93		*	0.68	0.379	0.002	0.2203	0.0000	0.0000	0.00E+00	0.2159	0.0031	2.59E-08
94		*	0.18	0.030	0.002	0.2265	0.0000	0.0000	0.00E+00	0.2159	0.0031	2.59E-08
95		*	0.00	0.000	0.000	0.2265	0.0000	0.0000	0.00E+00	0.2159	0.0031	2.59E-08
96			0.00	0.000	0.235	0.2091	3.3745	0.1839	1.11E-04	0.2160	0.0031	2.59E-08
97			0.00	0.000	0.104	0.1914	5.8614	0.3195	1.92E-04	0.2163	0.0031	2.60E-08
98	*		0.24	0.000	0.032	0.1804	5.2293	0.2851	1.70E-04	0.2167	0.0031	2.60E-08
99	*		0.44	0.000	0.029	0.1725	3.8072	0.2075	1.23E-04	0.2171	0.0031	2.61E-08
100			0.20	0.000	0.086	0.1937	3.4632	0.1888	1.11E-04	0.2173	0.0031	2.61E-08
101			0.03	0.000	0.205	0.1793	3.1067	0.1694	9.95E-05	0.2174	0.0031	2.61E-08
102			0.06	0.000	0.173	0.1682	2.8136	0.1534	8.99E-05	0.2175	0.0031	2.61E-08
103			0.00	0.000	0.124	0.1576	2.4754	0.1349	7.89E-05	0.2176	0.0031	2.61E-08

104		0.00	0.000	0.157	0.1463	2.1612	0.1178	6.87E-05	0.2176	0.0031	2.61E-08
105	*	0.07	0.000	0.109	0.1402	1.9722	0.1075	6.26E-05	0.2176	0.0031	2.61E-08
106		0.08	0.000	0.056	0.1371	1.8228	0.0994	5.78E-05	0.2176	0.0031	2.61E-08
107		0.66	0.000	0.043	0.1591	1.6777	0.0915	5.31E-05	0.2176	0.0031	2.61E-08
108	*	0.08	0.000	0.049	0.1564	1.5182	0.0828	4.80E-05	0.2175	0.0031	2.61E-08
109		0.05	0.000	0.259	0.1452	1.3688	0.0746	4.32E-05	0.2175	0.0031	2.61E-08
110		0.00	0.000	0.098	0.1383	1.2344	0.0673	3.89E-05	0.2174	0.0031	2.61E-08
111	*	0.00	0.000	0.097	0.1318	1.0839	0.0591	3.41E-05	0.2173	0.0031	2.61E-08
112		0.00	0.000	0.136	0.1240	0.9454	0.0515	2.97E-05	0.2172	0.0031	2.61E-08
113		0.00	0.000	0.192	0.1140	0.8611	0.0469	2.70E-05	0.2171	0.0031	2.61E-08
114		0.00	0.000	0.105	0.1078	0.8089	0.0441	2.54E-05	0.2170	0.0031	2.61E-08
115		0.00	0.000	0.054	0.1039	0.7366	0.0402	2.31E-05	0.2169	0.0031	2.60E-08
116		0.00	0.000	0.041	0.1006	0.6700	0.0365	2.10E-05	0.2168	0.0031	2.60E-08
117		0.00	0.000	0.035	0.0977	0.6388	0.0348	2.00E-05	0.2167	0.0031	2.60E-08
118	*	0.00	0.000	0.000	0.0963	0.6159	0.0336	1.93E-05	0.2165	0.0031	2.60E-08
119		0.00	0.000	0.031	0.0937	0.5943	0.0324	1.86E-05	0.2164	0.0031	2.60E-08
120	*	0.02	0.000	0.018	0.0924	0.5670	0.0309	1.78E-05	0.2163	0.0031	2.60E-08
121		0.00	0.000	0.028	0.0901	0.5371	0.0293	1.68E-05	0.2162	0.0031	2.60E-08
122		0.00	0.000	0.025	0.0878	0.5064	0.0276	1.58E-05	0.2161	0.0031	2.59E-08
123		0.00	0.000	0.024	0.0858	0.4734	0.0258	1.48E-05	0.2160	0.0031	2.59E-08
124	*	0.00	0.000	0.000	0.0848	0.4398	0.0240	1.38E-05	0.2159	0.0031	2.59E-08
125	*	0.00	0.000	0.000	0.0838	0.4081	0.0222	1.28E-05	0.2158	0.0031	2.59E-08
126	*	0.27	0.000	0.022	0.0838	0.3804	0.0207	1.19E-05	0.2157	0.0031	2.59E-08
127	*	0.00	0.000	0.020	0.0838	0.3549	0.0193	1.11E-05	0.2156	0.0031	2.59E-08
128	*	0.12	0.000	0.009	0.0839	0.3311	0.0181	1.03E-05	0.2155	0.0031	2.59E-08
129	*	0.05	0.000	0.000	0.0840	0.3088	0.0168	9.64E-06	0.2154	0.0031	2.59E-08
130		0.00	0.000	0.110	0.0918	0.2878	0.0157	8.99E-06	0.2153	0.0031	2.58E-08
131		1.02	0.000	0.024	0.1327	0.2696	0.0147	8.42E-06	0.2152	0.0030	2.58E-08
132		0.08	0.000	0.148	0.1291	0.2520	0.0137	7.86E-06	0.2151	0.0030	2.58E-08
133	*	0.03	0.000	0.031	0.1286	0.2273	0.0124	7.09E-06	0.2150	0.0030	2.58E-08
134	*	0.01	0.000	0.055	0.1262	0.2218	0.0121	6.92E-06	0.2149	0.0030	2.58E-08
135	*	0.55	0.000	0.021	0.1265	0.2142	0.0117	6.68E-06	0.2149	0.0030	2.58E-08
136		0.72	0.000	0.000	0.1769	0.2016	0.0110	6.29E-06	0.2148	0.0030	2.58E-08
137	*	0.00	0.000	0.072	0.1729	0.6671	0.0364	2.10E-05	0.2147	0.0030	2.58E-08
138		0.00	0.000	0.142	0.1627	1.8969	0.1034	6.01E-05	0.2147	0.0030	2.58E-08
139		0.04	0.000	0.194	0.1519	1.8543	0.1011	5.88E-05	0.2148	0.0030	2.58E-08
140		0.74	0.000	0.156	0.1721	1.8177	0.0991	5.76E-05	0.2148	0.0030	2.58E-08

141	0.04	0.000	0.375	0.1543	1.6768	0.0914	5.31E-05	0.2149	0.0030	2.58E-08
142	0.95	0.000	0.180	0.1828	1.5777	0.0860	4.99E-05	0.2149	0.0030	2.58E-08
143	0.00	0.000	0.150	0.1727	1.6606	0.0905	5.26E-05	0.2149	0.0030	2.58E-08
144	0.00	0.000	0.132	0.1629	1.9317	0.1053	6.13E-05	0.2149	0.0030	2.58E-08
145	0.00	0.000	0.118	0.1535	1.9552	0.1066	6.20E-05	0.2150	0.0030	2.58E-08
146	0.00	0.000	0.252	0.1386	1.9136	0.1043	6.07E-05	0.2150	0.0030	2.58E-08
147	0.28	0.000	0.132	0.1408	1.8134	0.0988	5.75E-05	0.2150	0.0030	2.58E-08
148	0.39	0.000	0.204	0.1447	1.7191	0.0937	5.44E-05	0.2150	0.0030	2.58E-08
149	0.97	0.000	0.289	0.1698	1.5184	0.0828	4.80E-05	0.2150	0.0030	2.58E-08
150	0.15	0.000	0.350	0.1583	1.3706	0.0747	4.33E-05	0.2150	0.0030	2.58E-08
151	0.63	0.000	0.153	0.1751	1.2943	0.0706	4.08E-05	0.2150	0.0030	2.58E-08
152	0.00	0.000	0.115	0.1677	1.1979	0.0653	3.77E-05	0.2149	0.0030	2.58E-08
153	0.00	0.000	0.132	0.1589	1.4631	0.0798	4.62E-05	0.2149	0.0030	2.58E-08
154	0.00	0.000	0.179	0.1477	1.6107	0.0878	5.09E-05	0.2149	0.0030	2.58E-08
155	0.76	0.000	0.121	0.1708	1.6199	0.0883	5.12E-05	0.2148	0.0030	2.58E-08
156	0.00	0.000	0.130	0.1619	1.5210	0.0829	4.81E-05	0.2148	0.0030	2.58E-08
157	0.00	0.000	0.205	0.1501	1.4303	0.0780	4.52E-05	0.2148	0.0030	2.58E-08
158	0.00	0.000	0.253	0.1366	1.3291	0.0724	4.19E-05	0.2147	0.0030	2.58E-08
159	0.00	0.000	0.134	0.1280	1.3102	0.0714	4.13E-05	0.2147	0.0030	2.58E-08
160	0.04	0.000	0.058	0.1244	1.2505	0.0682	3.94E-05	0.2146	0.0030	2.58E-08
161	0.00	0.000	0.045	0.1199	1.2044	0.0657	3.80E-05	0.2146	0.0030	2.58E-08
162	0.02	0.000	0.039	0.1166	1.1595	0.0632	3.65E-05	0.2145	0.0030	2.58E-08
163	0.03	0.000	0.035	0.1140	1.0913	0.0595	3.44E-05	0.2145	0.0030	2.57E-08
164	0.00	0.000	0.035	0.1103	1.0076	0.0549	3.17E-05	0.2144	0.0030	2.57E-08
165	0.03	0.000	0.030	0.1082	0.9505	0.0518	2.99E-05	0.2143	0.0030	2.57E-08
166	0.01	0.000	0.032	0.1051	0.8869	0.0483	2.79E-05	0.2142	0.0030	2.57E-08
167	0.00	0.000	0.030	0.1021	0.8158	0.0445	2.56E-05	0.2142	0.0030	2.57E-08
168	0.00	0.000	0.029	0.0992	0.7470	0.0407	2.34E-05	0.2141	0.0030	2.57E-08
169	0.00	0.000	0.025	0.0966	0.6883	0.0375	2.16E-05	0.2140	0.0030	2.57E-08
170	0.00	0.000	0.030	0.0939	0.6250	0.0341	1.96E-05	0.2139	0.0030	2.57E-08
171	0.00	0.000	0.028	0.0914	0.5765	0.0314	1.81E-05	0.2138	0.0030	2.57E-08
172	0.07	0.000	0.026	0.0922	0.5366	0.0292	1.68E-05	0.2137	0.0030	2.57E-08
173	0.11	0.000	0.034	0.0943	0.4994	0.0272	1.56E-05	0.2137	0.0030	2.56E-08
174	0.00	0.000	0.031	0.0919	0.4546	0.0248	1.42E-05	0.2136	0.0030	2.56E-08
175	0.00	0.000	0.033	0.0896	0.4160	0.0227	1.30E-05	0.2135	0.0030	2.56E-08
176	0.00	0.000	0.034	0.0874	0.3687	0.0201	1.15E-05	0.2134	0.0030	2.56E-08
177	0.00	0.000	0.037	0.0851	0.3344	0.0182	1.04E-05	0.2133	0.0030	2.56E-08

178	0.00	0.000	0.035	0.0830	0.2968	0.0162	9.27E-06	0.2132	0.0030	2.56E-08
179	0.00	0.000	0.030	0.0812	0.2580	0.0141	8.05E-06	0.2131	0.0030	2.56E-08
180	0.00	0.000	0.025	0.0796	0.2310	0.0126	7.21E-06	0.2131	0.0030	2.56E-08
181	0.07	0.000	0.027	0.0809	0.2123	0.0116	6.62E-06	0.2130	0.0030	2.56E-08
182	0.00	0.000	0.029	0.0792	0.1993	0.0109	6.21E-06	0.2129	0.0030	2.56E-08
183	0.00	0.000	0.039	0.0771	0.1916	0.0104	5.97E-06	0.2128	0.0030	2.55E-08
184	0.00	0.000	0.026	0.0756	0.1807	0.0098	5.63E-06	0.2127	0.0030	2.55E-08
185	0.63	0.000	0.041	0.0998	0.1617	0.0088	5.04E-06	0.2127	0.0030	2.55E-08
186	0.13	0.000	0.271	0.0936	0.1452	0.0079	4.53E-06	0.2126	0.0030	2.55E-08
187	0.00	0.000	0.151	0.0870	0.1329	0.0072	4.14E-06	0.2125	0.0030	2.55E-08
188	0.35	0.000	0.310	0.0882	0.1349	0.0074	4.20E-06	0.2125	0.0030	2.55E-08
189	0.37	0.000	0.122	0.0981	0.1336	0.0073	4.16E-06	0.2124	0.0030	2.55E-08
190	0.00	0.000	0.230	0.0882	0.1395	0.0076	4.35E-06	0.2124	0.0030	2.55E-08
191	0.00	0.000	0.294	0.0756	0.1425	0.0078	4.44E-06	0.2123	0.0030	2.55E-08
192	0.00	0.000	0.176	0.0679	0.1696	0.0092	5.29E-06	0.2123	0.0030	2.55E-08
193	0.28	0.000	0.111	0.0746	0.1777	0.0097	5.54E-06	0.2122	0.0030	2.55E-08
194	0.00	0.000	0.090	0.0705	0.1731	0.0094	5.40E-06	0.2122	0.0030	2.55E-08
195	0.20	0.000	0.110	0.0737	0.1653	0.0090	5.15E-06	0.2122	0.0030	2.55E-08
196	0.04	0.000	0.309	0.0623	0.1610	0.0088	5.02E-06	0.2121	0.0030	2.55E-08
197	0.00	0.000	0.101	0.0578	0.1563	0.0085	4.87E-06	0.2121	0.0030	2.55E-08
198	0.13	0.000	0.090	0.0589	0.1476	0.0080	4.60E-06	0.2120	0.0030	2.55E-08
199	0.18	0.000	0.118	0.0611	0.1496	0.0082	4.66E-06	0.2120	0.0030	2.55E-08
200	0.00	0.000	0.092	0.0569	0.1434	0.0078	4.47E-06	0.2120	0.0030	2.54E-08
201	0.89	0.000	0.128	0.0884	0.1712	0.0093	5.34E-06	0.2120	0.0030	2.54E-08
202	0.31	0.000	0.256	0.0904	0.1929	0.0105	6.02E-06	0.2119	0.0030	2.54E-08
203	0.71	0.000	0.218	0.1106	0.2262	0.0123	7.06E-06	0.2119	0.0030	2.54E-08
204	0.00	0.000	0.272	0.0988	0.1929	0.0105	6.02E-06	0.2119	0.0030	2.54E-08
205	0.27	0.000	0.264	0.0985	0.1860	0.0101	5.80E-06	0.2119	0.0030	2.54E-08
206	0.00	0.000	0.115	0.0933	0.1916	0.0104	5.97E-06	0.2119	0.0030	2.54E-08
207	0.00	0.000	0.258	0.0822	0.1554	0.0085	4.84E-06	0.2118	0.0030	2.54E-08
208	0.08	0.000	0.182	0.0775	0.1398	0.0076	4.36E-06	0.2118	0.0030	2.54E-08
209	0.09	0.000	0.111	0.0765	0.1430	0.0078	4.46E-06	0.2118	0.0030	2.54E-08
210	0.00	0.000	0.220	0.0673	0.1351	0.0074	4.21E-06	0.2118	0.0030	2.54E-08
211	0.00	0.000	0.226	0.0576	0.1074	0.0059	3.35E-06	0.2118	0.0030	2.54E-08
212	0.05	0.000	0.246	0.0495	0.0606	0.0033	1.89E-06	0.2118	0.0030	2.54E-08
213	0.30	0.000	0.117	0.0568	0.0565	0.0031	1.76E-06	0.2117	0.0030	2.54E-08
214	0.07	0.000	0.326	0.0462	0.0490	0.0027	1.52E-06	0.2117	0.0030	2.54E-08

215	0.02	0.000	0.137	0.0414	0.0139	0.0005	3.01E-07	0.2117	0.0030	2.54E-08
216	0.00	0.000	0.078	0.0382	0.0000	0.0000	0.00E+00	0.2117	0.0030	2.54E-08
217	0.00	0.000	0.049	0.0361	0.0000	0.0000	0.00E+00	0.2117	0.0030	2.54E-08
218	0.20	0.000	0.058	0.0422	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
219	0.00	0.000	0.099	0.0381	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
220	0.00	0.000	0.089	0.0344	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
221	0.84	0.000	0.109	0.0648	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
222	0.00	0.000	0.097	0.0607	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
223	0.00	0.000	0.088	0.0571	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
224	0.00	0.000	0.102	0.0528	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
225	0.00	0.000	0.183	0.0452	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
226	0.00	0.000	0.205	0.0366	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
227	0.00	0.000	0.084	0.0331	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
228	0.00	0.000	0.014	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
229	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
230	0.02	0.000	0.016	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
231	0.02	0.000	0.017	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
232	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
233	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
234	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
235	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
236	0.47	0.000	0.070	0.0490	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
237	0.00	0.000	0.096	0.0450	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
238	0.00	0.000	0.138	0.0393	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
239	0.00	0.000	0.130	0.0339	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
240	0.00	0.000	0.021	0.0330	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
241	0.00	0.000	0.000	0.0330	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
242	0.19	0.000	0.039	0.0391	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
243	0.25	0.000	0.106	0.0450	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
244	0.02	0.000	0.049	0.0440	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
245	0.29	0.000	0.092	0.0521	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
246	0.00	0.000	0.082	0.0489	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
247	0.00	0.000	0.127	0.0436	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
248	0.00	0.000	0.170	0.0365	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
249	0.13	0.000	0.126	0.0367	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
250	0.00	0.000	0.027	0.0356	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
251	0.18	0.000	0.056	0.0406	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08

252		0.00	0.000	0.095	0.0367	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
253		0.48	0.000	0.104	0.0522	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
254		0.00	0.000	0.088	0.0485	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
255		0.00	0.000	0.087	0.0449	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
256	*	0.03	0.000	0.048	0.0442	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
257		0.02	0.000	0.101	0.0407	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
258		0.00	0.000	0.040	0.0390	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
259		0.52	0.000	0.075	0.0578	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
260		0.00	0.000	0.139	0.0520	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
261		0.00	0.000	0.085	0.0484	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
262		0.00	0.000	0.094	0.0445	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
263		0.00	0.000	0.105	0.0401	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
264		0.00	0.000	0.107	0.0357	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
265		0.00	0.000	0.062	0.0331	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
266		0.00	0.000	0.000	0.0331	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
267		0.26	0.000	0.030	0.0427	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
268		0.00	0.000	0.023	0.0417	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
269		0.00	0.000	0.038	0.0401	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
270		0.15	0.000	0.049	0.0442	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
271	*	0.06	0.000	0.026	0.0450	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
272	*	0.11	0.000	0.015	0.0458	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
273		0.00	0.000	0.050	0.0473	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
274	*	0.00	0.000	0.013	0.0467	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
275	*	0.00	0.000	0.000	0.0467	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
276		0.00	0.000	0.023	0.0458	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
277		0.30	0.000	0.052	0.0563	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
278		0.12	0.000	0.058	0.0591	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
279		0.38	0.000	0.068	0.0723	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
280		0.03	0.000	0.097	0.0696	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
281		0.22	0.000	0.078	0.0757	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
282		0.12	0.000	0.108	0.0761	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
283		0.01	0.000	0.080	0.0734	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
284		0.08	0.000	0.066	0.0742	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
285		0.09	0.000	0.125	0.0727	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
286		0.00	0.000	0.178	0.0653	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
287		0.00	0.000	0.117	0.0604	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
288		0.00	0.000	0.047	0.0585	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08

289	*	0.34	0.000	0.021	0.0593	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
290		0.00	0.000	0.019	0.0709	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
291		0.00	0.000	0.047	0.0689	0.0000	0.0000	0.00E+00	0.2116	0.0030	2.54E-08
292		0.00	0.000	0.052	0.0667	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
293		0.00	0.000	0.092	0.0629	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
294		0.00	0.000	0.083	0.0595	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
295		0.00	0.000	0.133	0.0539	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
296		0.26	0.000	0.127	0.0594	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
297		0.20	0.000	0.233	0.0579	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
298		0.11	0.000	0.136	0.0570	0.0000	0.0000	0.00E+00	0.2115	0.0030	2.54E-08
299		0.00	0.000	0.250	0.0465	0.0039	0.0002	1.35E-07	0.2115	0.0030	2.54E-08
300		0.01	0.000	0.071	0.0438	0.0249	0.0014	7.80E-07	0.2115	0.0030	2.54E-08
301		0.24	0.000	0.050	0.0516	0.0396	0.0022	1.23E-06	0.2115	0.0030	2.54E-08
302	*	0.18	0.000	0.021	0.0523	0.0406	0.0022	1.26E-06	0.2115	0.0030	2.54E-08
303	*	0.00	0.000	0.022	0.0530	0.0529	0.0029	1.65E-06	0.2115	0.0030	2.54E-08
304		0.00	0.000	0.051	0.0549	0.0456	0.0025	1.42E-06	0.2115	0.0030	2.54E-08
305		0.00	0.000	0.044	0.0530	0.0485	0.0026	1.51E-06	0.2115	0.0030	2.54E-08
306		0.06	0.000	0.039	0.0539	0.0545	0.0030	1.70E-06	0.2115	0.0030	2.54E-08
307		0.05	0.000	0.034	0.0546	0.0590	0.0032	1.84E-06	0.2115	0.0030	2.54E-08
308		0.26	0.000	0.036	0.0640	0.0508	0.0028	1.58E-06	0.2115	0.0030	2.54E-08
309	*	0.00	0.000	0.000	0.0639	0.0437	0.0024	1.36E-06	0.2115	0.0030	2.54E-08
310	*	0.91	0.000	0.013	0.0646	0.0377	0.0021	1.17E-06	0.2115	0.0030	2.54E-08
311		0.00	0.000	0.000	0.1010	0.0324	0.0018	1.01E-06	0.2115	0.0030	2.54E-08
312		0.00	0.000	0.030	0.0997	0.0279	0.0015	8.73E-07	0.2115	0.0030	2.54E-08
313		0.00	0.000	0.054	0.0974	0.0241	0.0013	7.54E-07	0.2115	0.0030	2.54E-08
314		0.33	0.000	0.133	0.1055	0.0242	0.0013	7.58E-07	0.2115	0.0030	2.54E-08
315		0.00	0.000	0.088	0.1018	0.0305	0.0017	9.51E-07	0.2115	0.0030	2.54E-08
316		0.00	0.000	0.059	0.0992	0.0329	0.0018	1.03E-06	0.2115	0.0030	2.54E-08
317	*	0.00	0.000	0.000	0.0992	0.0309	0.0017	9.65E-07	0.2115	0.0030	2.54E-08
318		0.00	0.000	0.047	0.0971	0.0266	0.0015	8.33E-07	0.2115	0.0030	2.54E-08
319		0.00	0.000	0.026	0.0960	0.0229	0.0012	7.19E-07	0.2115	0.0030	2.54E-08
320		0.00	0.000	0.028	0.0948	0.0197	0.0011	6.21E-07	0.2114	0.0030	2.54E-08
321		0.00	0.000	0.066	0.0920	0.0170	0.0009	5.37E-07	0.2114	0.0030	2.54E-08
322	*	0.00	0.000	0.019	0.0911	0.0146	0.0008	4.64E-07	0.2114	0.0030	2.54E-08
323	*	0.00	0.000	0.024	0.0901	0.0126	0.0007	4.02E-07	0.2114	0.0030	2.54E-08
324		0.06	0.000	0.059	0.0901	0.0109	0.0006	3.48E-07	0.2114	0.0030	2.54E-08
325	*	0.09	0.000	0.020	0.0909	0.0094	0.0005	3.01E-07	0.2114	0.0030	2.54E-08

326	*			0.01	0.000	0.014	0.0917	0.0081	0.0004	2.61E-07	0.2114	0.0030	2.54E-08
327	*			0.02	0.000	0.003	0.0925	0.0069	0.0004	2.27E-07	0.2114	0.0030	2.54E-08
328	*			0.38	0.000	0.006	0.0933	0.0060	0.0003	1.97E-07	0.2114	0.0030	2.54E-08
329	*			0.00	0.000	0.009	0.0941	0.0051	0.0003	1.72E-07	0.2114	0.0030	2.54E-08
330				0.00	0.000	0.000	0.1087	0.0044	0.0002	1.50E-07	0.2114	0.0030	2.54E-08
331				0.10	0.000	0.033	0.1116	0.0041	0.0002	1.39E-07	0.2113	0.0030	2.54E-08
332				0.00	0.000	0.030	0.1103	0.0106	0.0006	3.40E-07	0.2113	0.0030	2.54E-08
333				0.00	0.000	0.025	0.1091	0.0296	0.0016	9.26E-07	0.2113	0.0030	2.54E-08
334				0.00	0.000	0.048	0.1070	0.0458	0.0025	1.43E-06	0.2113	0.0030	2.54E-08
335	*			0.00	0.000	0.000	0.1069	0.0455	0.0025	1.41E-06	0.2113	0.0030	2.54E-08
336	*			0.01	0.000	0.012	0.1068	0.0392	0.0021	1.22E-06	0.2113	0.0030	2.54E-08
337	*			0.01	0.000	0.006	0.1070	0.0337	0.0018	1.05E-06	0.2113	0.0030	2.54E-08
338	*			0.08	0.000	0.002	0.1078	0.0316	0.0017	9.87E-07	0.2113	0.0030	2.54E-08
339	*		*	0.00	0.000	0.006	0.1077	0.0380	0.0021	1.18E-06	0.2113	0.0030	2.54E-08
340	*		*	0.56	0.000	0.008	0.1076	0.0327	0.0018	1.02E-06	0.2113	0.0030	2.54E-08
341	*		*	0.00	0.000	0.002	0.1076	0.0282	0.0015	8.81E-07	0.2113	0.0030	2.54E-08
342	*		*	0.20	0.000	0.000	0.1075	0.0243	0.0013	7.60E-07	0.2113	0.0030	2.54E-08
343			*	0.03	0.084	0.000	0.1271	0.0209	0.0011	6.57E-07	0.2112	0.0030	2.54E-08
344			*	0.00	0.011	0.000	0.1384	0.0180	0.0010	5.67E-07	0.2112	0.0030	2.54E-08
345			*	0.18	0.001	0.005	0.1457	0.0155	0.0008	4.90E-07	0.2112	0.0030	2.54E-08
346	*		*	0.01	0.000	0.011	0.1457	0.0133	0.0007	4.24E-07	0.2112	0.0030	2.54E-08
347	*		*	0.00	0.000	0.001	0.1457	0.0115	0.0006	3.67E-07	0.2112	0.0030	2.54E-08
348	*		*	0.00	0.000	0.001	0.1456	0.0099	0.0005	3.18E-07	0.2112	0.0030	2.54E-08
349	*		*	0.00	0.000	0.000	0.1456	0.0085	0.0005	2.76E-07	0.2112	0.0030	2.53E-08
350	*		*	0.00	0.000	0.000	0.1456	0.0073	0.0004	2.40E-07	0.2112	0.0030	2.53E-08
351	*		*	0.00	0.000	0.000	0.1456	0.0063	0.0003	2.08E-07	0.2111	0.0030	2.53E-08
352	*		*	0.00	0.000	0.000	0.1456	0.0054	0.0003	1.81E-07	0.2111	0.0030	2.53E-08
353	*		*	0.00	0.000	0.000	0.1456	0.0047	0.0003	1.58E-07	0.2111	0.0030	2.53E-08
354			*	0.03	0.000	0.004	0.1467	0.0040	0.0002	1.38E-07	0.2111	0.0030	2.53E-08
355			*	0.00	0.000	0.000	0.1467	0.0035	0.0002	1.21E-07	0.2111	0.0030	2.53E-08
356			*	0.10	0.000	0.004	0.1507	0.0030	0.0002	1.06E-07	0.2111	0.0030	2.53E-08
357			*	0.00	0.000	0.000	0.1506	0.0026	0.0001	9.31E-08	0.2111	0.0030	2.53E-08
358			*	0.00	0.000	0.000	0.1506	0.0022	0.0001	8.19E-08	0.2111	0.0030	2.53E-08
359			*	0.04	0.000	0.004	0.1522	0.0019	0.0001	7.24E-08	0.2110	0.0030	2.53E-08
360	*		*	0.00	0.000	0.000	0.1522	0.0016	0.0001	6.43E-08	0.2110	0.0030	2.53E-08
361			*	0.00	0.000	0.000	0.1522	0.0014	0.0001	5.73E-08	0.2110	0.0030	2.53E-08
362			*	0.00	0.000	0.000	0.1522	0.0012	0.0001	5.12E-08	0.2110	0.0030	2.53E-08

363		*	0.00	0.000	0.000	0.1522	0.0011	0.0001	4.60E-08	0.2110	0.0030	2.53E-08
364	*	*	0.00	0.000	0.000	0.1522	0.0009	0.0000	4.15E-08	0.2110	0.0030	2.53E-08
365	*	*	0.00	0.000	0.000	0.1522	0.0008	0.0000	3.76E-08	0.2110	0.0030	2.53E-08

* = Frozen (air or soil)

Annual Totals for Year 24			
	inches	cubic feet	percent
Precipitation	30.05	917,463.3	100.00
Runoff	1.094	33,408.2	3.64
Evapotranspiration	22.019	672,205.6	73.27
Drainage Collected from Layer 2	6.1046	186,363.2	20.31
Percolation/Leakage through Layer 3	0.003556	108.6	0.01
Average Head on Top of Layer 3	0.3060	---	---
Drainage Collected from Layer 5	1.1083	33,834.0	3.69
Percolation/Leakage through Layer 7	0.000009	0.2867	0.00
Average Head on Top of Layer 6	0.2137	---	---
Change in Water Storage	-0.2735	-8,348.1	-0.91
Soil Water at Start of Year	290.9085	8,880,941.7	967.99
Soil Water at End of Year	290.6350	8,872,593.7	967.08
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 25

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1522	0.0006	0.0000	3.14E-08	0.2109	0.0030	2.53E-08
2		*	0.00	0.000	0.000	0.1522	0.0005	0.0000	2.89E-08	0.2109	0.0030	2.53E-08
3		*	0.05	0.000	0.004	0.1540	0.0004	0.0000	2.68E-08	0.2109	0.0030	2.53E-08
4	*	*	0.00	0.000	0.000	0.1540	0.0004	0.0000	2.50E-08	0.2109	0.0030	2.53E-08
5	*	*	0.00	0.000	0.000	0.1540	0.0003	0.0000	2.34E-08	0.2109	0.0030	2.53E-08
6	*	*	0.09	0.000	0.009	0.1540	0.0003	0.0000	2.20E-08	0.2109	0.0030	2.53E-08
7	*	*	0.01	0.000	0.014	0.1540	0.0002	0.0000	2.09E-08	0.2109	0.0030	2.53E-08
8	*	*	0.00	0.000	0.013	0.1540	0.0002	0.0000	1.99E-08	0.2109	0.0030	2.53E-08
9	*	*	0.04	0.000	0.000	0.1540	0.0002	0.0000	1.90E-08	0.2108	0.0030	2.53E-08
10		*	0.01	0.000	0.032	0.1571	0.0002	0.0000	1.82E-08	0.2108	0.0030	2.53E-08
11		*	0.00	0.000	0.000	0.1571	0.0001	0.0000	1.76E-08	0.2108	0.0030	2.53E-08
12	*	*	0.00	0.000	0.000	0.1571	0.0001	0.0000	1.70E-08	0.2108	0.0030	2.53E-08
13		*	0.00	0.000	0.000	0.1571	0.0001	0.0000	1.66E-08	0.2108	0.0030	2.53E-08
14		*	0.00	0.000	0.000	0.1571	0.0001	0.0000	1.62E-08	0.2108	0.0030	2.53E-08
15	*	*	0.00	0.000	0.000	0.1571	0.0001	0.0000	1.58E-08	0.2108	0.0030	2.53E-08
16		*	0.06	0.000	0.004	0.1594	0.0001	0.0000	1.55E-08	0.2107	0.0030	2.53E-08
17	*	*	0.00	0.000	0.000	0.1594	0.0001	0.0000	1.52E-08	0.2107	0.0030	2.53E-08
18		*	0.00	0.000	0.000	0.1594	0.0000	0.0000	1.50E-08	0.2107	0.0030	2.53E-08
19	*	*	0.27	0.000	0.012	0.1594	0.0000	0.0000	1.48E-08	0.2107	0.0030	2.53E-08
20	*	*	0.00	0.000	0.011	0.1594	0.0000	0.0000	1.46E-08	0.2107	0.0030	2.53E-08
21		*	0.24	0.065	0.000	0.1713	0.0000	0.0000	1.45E-08	0.2107	0.0030	2.53E-08
22		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.44E-08	0.2107	0.0030	2.53E-08
23	*	*	0.00	0.000	0.013	0.1754	0.0000	0.0000	1.43E-08	0.2107	0.0030	2.53E-08
24	*	*	0.00	0.000	0.012	0.1754	0.0000	0.0000	1.42E-08	0.2106	0.0030	2.53E-08
25	*	*	0.00	0.000	0.018	0.1754	0.0000	0.0000	1.41E-08	0.2106	0.0030	2.53E-08
26		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.40E-08	0.2106	0.0030	2.53E-08
27		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.40E-08	0.2106	0.0030	2.53E-08
28	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.39E-08	0.2106	0.0030	2.53E-08
29		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.39E-08	0.2106	0.0030	2.53E-08

30	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.38E-08	0.2106	0.0030	2.53E-08
31	*	*	0.00	0.000	0.004	0.1754	0.0000	0.0000	1.38E-08	0.2105	0.0030	2.53E-08
32	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.38E-08	0.2105	0.0030	2.53E-08
33	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2105	0.0030	2.53E-08
34	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2105	0.0030	2.53E-08
35	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2105	0.0030	2.53E-08
36	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2105	0.0030	2.53E-08
37	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2105	0.0030	2.53E-08
38	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2104	0.0030	2.53E-08
39	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2104	0.0030	2.53E-08
40	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.37E-08	0.2104	0.0030	2.53E-08
41	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2104	0.0030	2.53E-08
42	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2104	0.0030	2.53E-08
43	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2104	0.0030	2.53E-08
44	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2104	0.0030	2.53E-08
45	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2103	0.0030	2.52E-08
46	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2103	0.0030	2.52E-08
47		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2103	0.0030	2.52E-08
48	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2103	0.0030	2.52E-08
49	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2103	0.0030	2.52E-08
50		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2103	0.0030	2.52E-08
51		*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2103	0.0030	2.52E-08
52	*	*	0.00	0.000	0.000	0.1754	0.0000	0.0000	1.36E-08	0.2102	0.0030	2.52E-08
53		*	0.01	0.000	0.003	0.1758	0.0000	0.0000	3.50E-09	0.2102	0.0030	2.52E-08
54		*	0.01	0.000	0.003	0.1762	0.0000	0.0000	0.00E+00	0.2102	0.0030	2.52E-08
55	*	*	0.02	0.000	0.022	0.1762	0.0000	0.0000	0.00E+00	0.2102	0.0030	2.52E-08
56	*	*	0.04	0.000	0.040	0.1762	0.0000	0.0000	0.00E+00	0.2102	0.0030	2.52E-08
57	*	*	0.01	0.000	0.016	0.1762	0.0000	0.0000	0.00E+00	0.2102	0.0030	2.52E-08
58		*	0.26	0.037	0.003	0.1853	0.0000	0.0000	0.00E+00	0.2102	0.0030	2.52E-08
59		*	0.00	0.000	0.000	0.1853	0.0000	0.0000	0.00E+00	0.2101	0.0030	2.52E-08
60	*	*	0.00	0.000	0.000	0.1853	0.0000	0.0000	0.00E+00	0.2101	0.0030	2.52E-08
61		*	0.00	0.000	0.000	0.1853	0.0000	0.0000	0.00E+00	0.2101	0.0030	2.52E-08
62		*	0.00	0.000	0.000	0.1853	0.0000	0.0000	0.00E+00	0.2101	0.0030	2.52E-08
63		*	0.01	0.000	0.003	0.1856	0.0000	0.0000	0.00E+00	0.2101	0.0030	2.52E-08
64	*	*	0.00	0.000	0.000	0.1856	0.0000	0.0000	0.00E+00	0.2101	0.0030	2.52E-08
65	*	*	0.78	0.000	0.008	0.1856	0.0000	0.0000	0.00E+00	0.2100	0.0030	2.52E-08
66		*	0.30	0.064	0.000	0.1952	0.0000	0.0000	0.00E+00	0.2100	0.0030	2.52E-08

67	*	*	0.43	0.000	0.025	0.1952	0.0000	0.0000	0.00E+00	0.2100	0.0030	2.52E-08
68		*	0.00	0.000	0.029	0.1952	0.0000	0.0000	0.00E+00	0.2100	0.0030	2.52E-08
69		*	0.00	0.535	0.000	0.2096	0.0000	0.0000	0.00E+00	0.2100	0.0030	2.52E-08
70		*	0.03	0.097	0.047	0.2162	0.0000	0.0000	0.00E+00	0.2100	0.0030	2.52E-08
71		*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2100	0.0030	2.52E-08
72		*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2099	0.0030	2.52E-08
73		*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2099	0.0030	2.52E-08
74		*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2099	0.0030	2.52E-08
75	*	*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2099	0.0030	2.52E-08
76	*	*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2099	0.0030	2.52E-08
77	*	*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2099	0.0030	2.52E-08
78	*	*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2099	0.0030	2.52E-08
79		*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2098	0.0030	2.52E-08
80	*	*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2098	0.0030	2.52E-08
81		*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2098	0.0030	2.52E-08
82	*	*	0.00	0.000	0.000	0.2162	0.0000	0.0000	0.00E+00	0.2098	0.0030	2.52E-08
83	*	*	0.32	0.000	0.018	0.2162	0.0000	0.0000	0.00E+00	0.2098	0.0030	2.52E-08
84	*	*	0.00	0.000	0.007	0.2162	0.0000	0.0000	0.00E+00	0.2098	0.0030	2.52E-08
85	*	*	0.00	0.000	0.015	0.2162	0.0000	0.0000	0.00E+00	0.2097	0.0030	2.52E-08
86		*	0.00	0.091	0.055	0.2219	0.0000	0.0000	0.00E+00	0.2097	0.0030	2.52E-08
87		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2097	0.0030	2.52E-08
88		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2097	0.0030	2.52E-08
89		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2097	0.0030	2.52E-08
90		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2097	0.0030	2.52E-08
91		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2096	0.0030	2.52E-08
92		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2096	0.0030	2.52E-08
93		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2096	0.0030	2.52E-08
94		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2096	0.0030	2.52E-08
95		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2096	0.0030	2.52E-08
96		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2096	0.0030	2.52E-08
97		*	0.00	0.000	0.000	0.2219	0.0000	0.0000	0.00E+00	0.2096	0.0030	2.52E-08
98			0.00	0.000	0.274	0.2036	3.0203	0.1646	9.90E-05	0.2096	0.0030	2.52E-08
99			0.00	0.000	0.104	0.1867	5.5263	0.3012	1.80E-04	0.2100	0.0030	2.52E-08
100			0.02	0.000	0.173	0.1700	4.5399	0.2475	1.47E-04	0.2103	0.0030	2.52E-08
101			0.00	0.000	0.199	0.1532	3.7199	0.2028	1.20E-04	0.2106	0.0030	2.53E-08
102			0.00	0.000	0.088	0.1419	3.3793	0.1842	1.09E-04	0.2108	0.0030	2.53E-08
103			0.00	0.000	0.054	0.1329	2.9863	0.1628	9.56E-05	0.2110	0.0030	2.53E-08

104	*	0.00	0.000	0.000	0.1268	2.6649	0.1453	8.51E-05	0.2111	0.0030	2.53E-08
105	*	0.00	0.000	0.000	0.1214	2.3851	0.1300	7.60E-05	0.2112	0.0030	2.53E-08
106	*	0.05	0.000	0.052	0.1166	2.1309	0.1162	6.77E-05	0.2112	0.0030	2.54E-08
107	*	0.01	0.000	0.009	0.1123	1.8987	0.1035	6.02E-05	0.2112	0.0030	2.54E-08
108		0.28	0.000	0.043	0.1182	1.6906	0.0922	5.35E-05	0.2112	0.0030	2.54E-08
109	*	0.16	0.000	0.101	0.1156	1.5006	0.0818	4.74E-05	0.2112	0.0030	2.53E-08
110	*	0.00	0.000	0.041	0.1126	1.3302	0.0725	4.20E-05	0.2111	0.0030	2.53E-08
111	*	0.00	0.000	0.000	0.1099	1.1823	0.0644	3.72E-05	0.2110	0.0030	2.53E-08
112		0.00	0.000	0.035	0.1061	1.0535	0.0574	3.32E-05	0.2110	0.0030	2.53E-08
113	*	0.16	0.000	0.042	0.1048	0.9388	0.0512	2.95E-05	0.2109	0.0030	2.53E-08
114	*	0.00	0.000	0.037	0.1037	0.8346	0.0455	2.62E-05	0.2108	0.0030	2.53E-08
115		0.00	0.000	0.068	0.1007	0.7452	0.0406	2.34E-05	0.2107	0.0030	2.53E-08
116	*	0.00	0.000	0.028	0.0980	0.6649	0.0362	2.08E-05	0.2106	0.0030	2.53E-08
117		0.00	0.000	0.025	0.0956	0.5984	0.0326	1.87E-05	0.2105	0.0030	2.53E-08
118		0.23	0.000	0.026	0.1030	0.5379	0.0293	1.68E-05	0.2104	0.0030	2.53E-08
119		0.00	0.000	0.225	0.0925	0.4875	0.0266	1.53E-05	0.2102	0.0030	2.52E-08
120		0.00	0.000	0.022	0.0906	0.4299	0.0234	1.34E-05	0.2101	0.0030	2.52E-08
121		0.00	0.000	0.021	0.0889	0.3831	0.0209	1.20E-05	0.2100	0.0030	2.52E-08
122		0.00	0.000	0.020	0.0873	0.3470	0.0189	1.08E-05	0.2099	0.0030	2.52E-08
123		0.00	0.000	0.019	0.0857	0.3176	0.0173	9.92E-06	0.2098	0.0030	2.52E-08
124		0.00	0.000	0.018	0.0843	0.2926	0.0160	9.14E-06	0.2097	0.0030	2.52E-08
125		0.00	0.000	0.018	0.0830	0.2707	0.0148	8.45E-06	0.2096	0.0030	2.52E-08
126		0.00	0.000	0.017	0.0817	0.2510	0.0137	7.83E-06	0.2095	0.0030	2.51E-08
127		0.00	0.000	0.016	0.0805	0.2331	0.0127	7.27E-06	0.2094	0.0030	2.51E-08
128		0.00	0.000	0.016	0.0793	0.2168	0.0118	6.76E-06	0.2093	0.0030	2.51E-08
129		0.00	0.000	0.016	0.0782	0.2018	0.0110	6.29E-06	0.2092	0.0030	2.51E-08
130		0.00	0.000	0.015	0.0771	0.1880	0.0102	5.86E-06	0.2091	0.0030	2.51E-08
131		0.00	0.000	0.015	0.0761	0.1752	0.0096	5.46E-06	0.2090	0.0030	2.51E-08
132		0.00	0.000	0.014	0.0752	0.1635	0.0089	5.10E-06	0.2089	0.0030	2.51E-08
133		0.38	0.000	0.016	0.0899	0.1527	0.0083	4.76E-06	0.2088	0.0030	2.51E-08
134		0.00	0.000	0.014	0.0890	0.1430	0.0078	4.46E-06	0.2087	0.0030	2.51E-08
135		0.00	0.000	0.014	0.0881	0.1339	0.0073	4.17E-06	0.2087	0.0030	2.50E-08
136		0.00	0.000	0.014	0.0872	0.1252	0.0068	3.90E-06	0.2086	0.0030	2.50E-08
137		0.00	0.000	0.014	0.0864	0.1172	0.0064	3.65E-06	0.2085	0.0030	2.50E-08
138		0.00	0.000	0.013	0.0856	0.1099	0.0060	3.42E-06	0.2084	0.0030	2.50E-08
139		0.09	0.000	0.015	0.0886	0.1033	0.0056	3.22E-06	0.2084	0.0030	2.50E-08
140		0.00	0.000	0.015	0.0880	0.0971	0.0053	3.03E-06	0.2083	0.0030	2.50E-08

141	0.76	0.000	0.015	0.1187	0.0915	0.0050	2.85E-06	0.2082	0.0029	2.50E-08
142	0.50	0.000	0.238	0.1294	0.0834	0.0045	2.60E-06	0.2082	0.0029	2.50E-08
143	0.00	0.000	0.114	0.1245	0.0718	0.0039	2.23E-06	0.2081	0.0029	2.50E-08
144	0.00	0.000	0.187	0.1165	0.0758	0.0041	2.36E-06	0.2080	0.0029	2.50E-08
145	0.00	0.000	0.196	0.1082	0.0860	0.0047	2.68E-06	0.2080	0.0029	2.50E-08
146	0.00	0.000	0.201	0.0996	0.0922	0.0050	2.87E-06	0.2079	0.0029	2.50E-08
147	0.01	0.000	0.127	0.0945	0.0943	0.0051	2.94E-06	0.2079	0.0029	2.50E-08
148	0.00	0.000	0.058	0.0918	0.0901	0.0049	2.81E-06	0.2078	0.0029	2.49E-08
149	0.32	0.000	0.046	0.1030	0.0779	0.0042	2.43E-06	0.2078	0.0029	2.49E-08
150	0.00	0.000	0.036	0.1013	0.0669	0.0036	2.08E-06	0.2078	0.0029	2.49E-08
151	0.01	0.000	0.035	0.1002	0.0575	0.0031	1.79E-06	0.2077	0.0029	2.49E-08
152	0.00	0.000	0.033	0.0987	0.0500	0.0027	1.55E-06	0.2077	0.0029	2.49E-08
153	0.00	0.000	0.028	0.0974	0.0569	0.0031	1.77E-06	0.2076	0.0029	2.49E-08
154	0.04	0.000	0.030	0.0976	0.0758	0.0041	2.36E-06	0.2076	0.0029	2.49E-08
155	0.58	0.000	0.026	0.1203	0.0961	0.0052	2.99E-06	0.2076	0.0029	2.49E-08
156	0.00	0.000	0.156	0.1135	0.1215	0.0066	3.79E-06	0.2075	0.0029	2.49E-08
157	0.32	0.000	0.092	0.1225	0.1335	0.0073	4.16E-06	0.2075	0.0029	2.49E-08
158	0.02	0.000	0.099	0.1190	0.1405	0.0077	4.38E-06	0.2075	0.0029	2.49E-08
159	0.02	0.000	0.104	0.1151	0.1427	0.0078	4.45E-06	0.2074	0.0029	2.49E-08
160	0.00	0.000	0.270	0.1035	0.1407	0.0077	4.39E-06	0.2074	0.0029	2.49E-08
161	0.00	0.000	0.333	0.0893	0.1408	0.0077	4.39E-06	0.2074	0.0029	2.49E-08
162	0.00	0.000	0.135	0.0833	0.1527	0.0083	4.76E-06	0.2074	0.0029	2.49E-08
163	0.65	0.000	0.059	0.1075	0.1835	0.0100	5.72E-06	0.2074	0.0029	2.49E-08
164	0.05	0.000	0.260	0.0984	0.1970	0.0107	6.14E-06	0.2073	0.0029	2.49E-08
165	0.25	0.000	0.048	0.1063	0.1998	0.0109	6.23E-06	0.2073	0.0029	2.49E-08
166	0.10	0.000	0.358	0.0953	0.1826	0.0100	5.69E-06	0.2073	0.0029	2.49E-08
167	0.00	0.000	0.046	0.0931	0.1696	0.0092	5.29E-06	0.2073	0.0029	2.49E-08
168	0.01	0.000	0.038	0.0913	0.1604	0.0087	5.00E-06	0.2073	0.0029	2.49E-08
169	0.00	0.000	0.039	0.0894	0.1503	0.0082	4.68E-06	0.2073	0.0029	2.49E-08
170	0.00	0.000	0.039	0.0874	0.1404	0.0077	4.38E-06	0.2072	0.0029	2.49E-08
171	0.00	0.000	0.037	0.0856	0.1312	0.0071	4.09E-06	0.2072	0.0029	2.49E-08
172	0.00	0.000	0.039	0.0837	0.1230	0.0067	3.83E-06	0.2072	0.0029	2.49E-08
173	0.04	0.000	0.041	0.0832	0.1157	0.0063	3.60E-06	0.2072	0.0029	2.49E-08
174	0.00	0.000	0.036	0.0816	0.1099	0.0060	3.42E-06	0.2072	0.0029	2.49E-08
175	0.09	0.000	0.037	0.0838	0.1033	0.0056	3.22E-06	0.2071	0.0029	2.49E-08
176	0.00	0.000	0.040	0.0819	0.0953	0.0052	2.97E-06	0.2071	0.0029	2.49E-08
177	0.00	0.000	0.043	0.0799	0.0907	0.0049	2.82E-06	0.2071	0.0029	2.49E-08

178	0.00	0.000	0.045	0.0778	0.0904	0.0049	2.82E-06	0.2071	0.0029	2.49E-08
179	0.00	0.000	0.047	0.0756	0.0826	0.0045	2.57E-06	0.2071	0.0029	2.49E-08
180	0.05	0.000	0.035	0.0760	0.0733	0.0040	2.28E-06	0.2071	0.0029	2.49E-08
181	0.00	0.000	0.053	0.0737	0.0660	0.0036	2.06E-06	0.2070	0.0029	2.49E-08
182	0.00	0.000	0.045	0.0717	0.0650	0.0035	2.02E-06	0.2070	0.0029	2.48E-08
183	0.00	0.000	0.040	0.0699	0.0646	0.0035	2.01E-06	0.2070	0.0029	2.48E-08
184	0.16	0.000	0.067	0.0737	0.0556	0.0030	1.73E-06	0.2070	0.0029	2.48E-08
185	0.01	0.000	0.070	0.0712	0.0469	0.0026	1.46E-06	0.2070	0.0029	2.48E-08
186	0.00	0.000	0.070	0.0682	0.0476	0.0026	1.48E-06	0.2070	0.0029	2.48E-08
187	0.00	0.000	0.073	0.0650	0.0492	0.0027	1.53E-06	0.2070	0.0029	2.48E-08
188	0.00	0.000	0.085	0.0614	0.0418	0.0023	1.30E-06	0.2069	0.0029	2.48E-08
189	0.00	0.000	0.076	0.0582	0.0349	0.0019	1.09E-06	0.2069	0.0029	2.48E-08
190	0.00	0.000	0.072	0.0551	0.0361	0.0020	1.13E-06	0.2069	0.0029	2.48E-08
191	0.00	0.000	0.072	0.0520	0.0379	0.0021	1.18E-06	0.2069	0.0029	2.48E-08
192	0.00	0.000	0.064	0.0493	0.0388	0.0021	1.21E-06	0.2069	0.0029	2.48E-08
193	0.00	0.000	0.048	0.0472	0.0443	0.0024	1.38E-06	0.2069	0.0029	2.48E-08
194	0.00	0.000	0.055	0.0448	0.0629	0.0034	1.96E-06	0.2069	0.0029	2.48E-08
195	0.65	0.000	0.052	0.0693	0.0959	0.0052	2.99E-06	0.2068	0.0029	2.48E-08
196	0.00	0.000	0.119	0.0641	0.1153	0.0063	3.59E-06	0.2068	0.0029	2.48E-08
197	0.01	0.000	0.124	0.0591	0.0981	0.0053	3.06E-06	0.2068	0.0029	2.48E-08
198	0.00	0.000	0.111	0.0542	0.0834	0.0045	2.60E-06	0.2068	0.0029	2.48E-08
199	0.00	0.000	0.240	0.0441	0.0660	0.0036	2.05E-06	0.2068	0.0029	2.48E-08
200	1.70	0.000	0.151	0.1086	0.0651	0.0035	2.03E-06	0.2068	0.0029	2.48E-08
201	0.53	0.000	0.108	0.1261	0.0667	0.0036	2.08E-06	0.2068	0.0029	2.48E-08
202	0.00	0.000	0.116	0.1212	0.0534	0.0029	1.66E-06	0.2068	0.0029	2.48E-08
203	0.00	0.000	0.308	0.1082	0.0409	0.0022	1.27E-06	0.2068	0.0029	2.48E-08
204	0.10	0.000	0.136	0.1066	0.0305	0.0017	9.53E-07	0.2068	0.0029	2.48E-08
205	0.34	0.000	0.144	0.1146	0.0251	0.0014	7.87E-07	0.2068	0.0029	2.48E-08
206	1.08	0.000	0.273	0.1480	0.0201	0.0011	6.33E-07	0.2067	0.0029	2.48E-08
207	0.00	0.000	0.318	0.1347	0.0185	0.0010	5.84E-07	0.2067	0.0029	2.48E-08
208	0.00	0.000	0.202	0.1262	0.0158	0.0009	5.01E-07	0.2067	0.0029	2.48E-08
209	0.41	0.000	0.144	0.1370	0.1381	0.0075	4.31E-06	0.2067	0.0029	2.48E-08
210	1.75	0.001	0.137	0.2037	0.2739	0.0149	8.55E-06	0.2067	0.0029	2.48E-08
211	0.19	0.000	0.288	0.1955	1.8750	0.1022	5.96E-05	0.2068	0.0029	2.48E-08
212	0.00	0.000	0.286	0.1764	3.1428	0.1713	1.01E-04	0.2070	0.0029	2.48E-08
213	0.08	0.000	0.288	0.1611	2.9310	0.1598	9.38E-05	0.2072	0.0029	2.49E-08
214	0.21	0.000	0.294	0.1516	2.7416	0.1495	8.76E-05	0.2074	0.0029	2.49E-08

215	0.00	0.000	0.249	0.1356	2.4767	0.1350	7.89E-05	0.2075	0.0029	2.49E-08
216	0.62	0.000	0.209	0.1480	2.1757	0.1186	6.92E-05	0.2077	0.0029	2.49E-08
217	0.00	0.000	0.239	0.1337	1.9118	0.1042	6.06E-05	0.2077	0.0029	2.49E-08
218	0.15	0.000	0.243	0.1260	1.6855	0.0919	5.33E-05	0.2078	0.0029	2.49E-08
219	0.00	0.000	0.283	0.1109	1.4979	0.0817	4.73E-05	0.2078	0.0029	2.49E-08
220	0.12	0.000	0.266	0.1017	1.3260	0.0723	4.18E-05	0.2078	0.0029	2.49E-08
221	0.00	0.000	0.185	0.0913	1.1797	0.0643	3.72E-05	0.2078	0.0029	2.49E-08
222	0.05	0.000	0.186	0.0834	1.0586	0.0577	3.33E-05	0.2078	0.0029	2.49E-08
223	0.00	0.000	0.108	0.0767	0.9491	0.0517	2.98E-05	0.2078	0.0029	2.49E-08
224	0.60	0.000	0.116	0.0949	0.8454	0.0461	2.65E-05	0.2077	0.0029	2.49E-08
225	0.12	0.000	0.242	0.0881	0.7496	0.0409	2.35E-05	0.2077	0.0029	2.49E-08
226	0.17	0.000	0.133	0.0879	0.7290	0.0397	2.29E-05	0.2076	0.0029	2.49E-08
227	0.00	0.000	0.097	0.0823	0.6923	0.0377	2.17E-05	0.2076	0.0029	2.49E-08
228	0.00	0.000	0.209	0.0721	0.6640	0.0362	2.08E-05	0.2075	0.0029	2.49E-08
229	0.01	0.000	0.241	0.0609	0.7036	0.0384	2.21E-05	0.2075	0.0029	2.49E-08
230	0.00	0.000	0.101	0.0551	0.6541	0.0357	2.05E-05	0.2074	0.0029	2.49E-08
231	0.00	0.000	0.103	0.0496	0.5617	0.0306	1.76E-05	0.2074	0.0029	2.49E-08
232	0.00	0.000	0.090	0.0448	0.4743	0.0259	1.48E-05	0.2073	0.0029	2.49E-08
233	0.00	0.000	0.065	0.0412	0.3584	0.0195	1.12E-05	0.2072	0.0029	2.49E-08
234	0.00	0.000	0.043	0.0390	0.2168	0.0118	6.76E-06	0.2072	0.0029	2.49E-08
235	0.00	0.000	0.022	0.0378	0.0981	0.0053	3.06E-06	0.2071	0.0029	2.49E-08
236	0.00	0.000	0.038	0.0362	0.0199	0.0008	4.55E-07	0.2070	0.0029	2.48E-08
237	0.00	0.000	0.027	0.0351	0.0000	0.0000	0.00E+00	0.2069	0.0029	2.48E-08
238	0.00	0.000	0.024	0.0341	0.0000	0.0000	0.00E+00	0.2068	0.0029	2.48E-08
239	0.00	0.000	0.023	0.0332	0.0000	0.0000	0.00E+00	0.2067	0.0029	2.48E-08
240	0.00	0.000	0.016	0.0325	0.0000	0.0000	0.00E+00	0.2066	0.0029	2.48E-08
241	0.03	0.000	0.019	0.0330	0.0000	0.0000	0.00E+00	0.2066	0.0029	2.48E-08
242	0.00	0.000	0.003	0.0329	0.0000	0.0000	0.00E+00	0.2065	0.0029	2.48E-08
243	0.04	0.000	0.022	0.0335	0.0000	0.0000	0.00E+00	0.2064	0.0029	2.48E-08
244	0.38	0.000	0.036	0.0477	0.0000	0.0000	0.00E+00	0.2063	0.0029	2.48E-08
245	0.01	0.000	0.095	0.0443	0.0000	0.0000	0.00E+00	0.2063	0.0029	2.48E-08
246	0.00	0.000	0.021	0.0434	0.0000	0.0000	0.00E+00	0.2062	0.0029	2.48E-08
247	0.24	0.000	0.043	0.0516	0.0000	0.0000	0.00E+00	0.2062	0.0029	2.47E-08
248	0.35	0.000	0.158	0.0595	0.0000	0.0000	0.00E+00	0.2061	0.0029	2.47E-08
249	0.00	0.000	0.104	0.0551	0.0000	0.0000	0.00E+00	0.2061	0.0029	2.47E-08
250	0.01	0.000	0.103	0.0512	0.0000	0.0000	0.00E+00	0.2060	0.0029	2.47E-08
251	0.00	0.000	0.120	0.0462	0.0000	0.0000	0.00E+00	0.2060	0.0029	2.47E-08

252		0.01	0.000	0.096	0.0427	0.0000	0.0000	0.00E+00	0.2059	0.0029	2.47E-08
253		0.01	0.000	0.126	0.0377	0.0000	0.0000	0.00E+00	0.2059	0.0029	2.47E-08
254		0.00	0.000	0.050	0.0356	0.0000	0.0000	0.00E+00	0.2058	0.0029	2.47E-08
255		0.00	0.000	0.038	0.0341	0.0000	0.0000	0.00E+00	0.2058	0.0029	2.47E-08
256		0.12	0.000	0.036	0.0377	0.0000	0.0000	0.00E+00	0.2058	0.0029	2.47E-08
257		0.00	0.000	0.003	0.0375	0.0000	0.0000	0.00E+00	0.2057	0.0029	2.47E-08
258		0.00	0.000	0.015	0.0369	0.0000	0.0000	0.00E+00	0.2057	0.0029	2.47E-08
259		0.01	0.000	0.020	0.0364	0.0000	0.0000	0.00E+00	0.2057	0.0029	2.47E-08
260		0.45	0.000	0.034	0.0537	0.0000	0.0000	0.00E+00	0.2056	0.0029	2.47E-08
261		0.11	0.000	0.100	0.0542	0.0000	0.0000	0.00E+00	0.2056	0.0029	2.47E-08
262		0.00	0.000	0.071	0.0512	0.0000	0.0000	0.00E+00	0.2056	0.0029	2.47E-08
263		0.00	0.000	0.079	0.0479	0.0000	0.0000	0.00E+00	0.2056	0.0029	2.47E-08
264		0.37	0.000	0.099	0.0594	0.0000	0.0000	0.00E+00	0.2055	0.0029	2.47E-08
265		0.26	0.000	0.090	0.0665	0.0000	0.0000	0.00E+00	0.2055	0.0029	2.47E-08
266		0.00	0.000	0.139	0.0609	0.0000	0.0000	0.00E+00	0.2055	0.0029	2.47E-08
267		0.00	0.000	0.074	0.0578	0.0000	0.0000	0.00E+00	0.2055	0.0029	2.47E-08
268		0.00	0.000	0.074	0.0547	0.0000	0.0000	0.00E+00	0.2054	0.0029	2.47E-08
269		0.00	0.000	0.097	0.0506	0.0000	0.0000	0.00E+00	0.2054	0.0029	2.47E-08
270		0.16	0.000	0.070	0.0545	0.0000	0.0000	0.00E+00	0.2054	0.0029	2.47E-08
271		0.00	0.000	0.110	0.0499	0.0000	0.0000	0.00E+00	0.2054	0.0029	2.47E-08
272		0.04	0.000	0.118	0.0469	0.0000	0.0000	0.00E+00	0.2054	0.0029	2.46E-08
273		0.07	0.000	0.057	0.0472	0.0000	0.0000	0.00E+00	0.2054	0.0029	2.46E-08
274		0.00	0.000	0.035	0.0458	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
275		0.00	0.000	0.059	0.0434	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
276		0.04	0.000	0.122	0.0398	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
277		0.11	0.000	0.091	0.0405	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
278		0.13	0.000	0.040	0.0442	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
279		0.00	0.000	0.033	0.0428	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
280		0.00	0.000	0.067	0.0400	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
281		0.00	0.000	0.032	0.0387	0.0000	0.0000	0.00E+00	0.2053	0.0029	2.46E-08
282		0.00	0.000	0.027	0.0376	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
283		0.00	0.000	0.024	0.0366	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
284		0.00	0.000	0.012	0.0361	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
285		0.00	0.000	0.000	0.0361	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
286	*	0.00	0.000	0.000	0.0361	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
287	*	0.00	0.000	0.000	0.0361	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
288	*	0.00	0.000	0.000	0.0361	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08

289	*	0.00	0.000	0.000	0.0361	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
290	*	0.00	0.000	0.000	0.0361	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
291	*	0.23	0.000	0.018	0.0369	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
292		0.00	0.000	0.028	0.0436	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
293	*	0.05	0.000	0.017	0.0444	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
294		0.13	0.000	0.036	0.0488	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
295		0.00	0.000	0.027	0.0477	0.0000	0.0000	0.00E+00	0.2052	0.0029	2.46E-08
296	*	0.00	0.000	0.000	0.0477	0.0000	0.0000	0.00E+00	0.2051	0.0029	2.46E-08
297		0.00	0.000	0.020	0.0469	0.0000	0.0000	0.00E+00	0.2051	0.0029	2.46E-08
298	*	0.00	0.000	0.012	0.0464	0.0000	0.0000	0.00E+00	0.2051	0.0029	2.46E-08
299	*	0.23	0.000	0.018	0.0472	0.0025	0.0001	9.21E-08	0.2051	0.0029	2.46E-08
300		0.06	0.000	0.004	0.0577	0.0024	0.0001	8.82E-08	0.2051	0.0029	2.46E-08
301	*	0.00	0.000	0.018	0.0570	0.0021	0.0001	7.44E-08	0.2051	0.0029	2.46E-08
302		0.00	0.000	0.048	0.0550	0.0018	0.0001	6.88E-08	0.2051	0.0029	2.46E-08
303		0.00	0.000	0.123	0.0498	0.0015	0.0001	6.12E-08	0.2051	0.0029	2.46E-08
304		0.35	0.000	0.087	0.0607	0.0144	0.0008	4.56E-07	0.2051	0.0029	2.46E-08
305		0.02	0.000	0.097	0.0572	0.0360	0.0020	1.12E-06	0.2051	0.0029	2.46E-08
306		0.00	0.000	0.041	0.0554	0.0354	0.0019	1.10E-06	0.2051	0.0029	2.46E-08
307		0.00	0.000	0.051	0.0533	0.0305	0.0017	9.53E-07	0.2051	0.0029	2.46E-08
308		0.00	0.000	0.108	0.0487	0.0263	0.0014	8.23E-07	0.2051	0.0029	2.46E-08
309		0.00	0.000	0.088	0.0450	0.0226	0.0012	7.11E-07	0.2051	0.0029	2.46E-08
310		0.00	0.000	0.044	0.0431	0.0346	0.0019	1.08E-06	0.2051	0.0029	2.46E-08
311		0.00	0.000	0.054	0.0408	0.0298	0.0016	9.31E-07	0.2051	0.0029	2.46E-08
312		0.01	0.000	0.044	0.0392	0.0266	0.0015	8.33E-07	0.2051	0.0029	2.46E-08
313		0.00	0.000	0.033	0.0377	0.0429	0.0023	1.34E-06	0.2051	0.0029	2.46E-08
314		0.02	0.000	0.010	0.0380	0.0450	0.0025	1.40E-06	0.2051	0.0029	2.46E-08
315		0.00	0.000	0.004	0.0378	0.0387	0.0021	1.21E-06	0.2051	0.0029	2.46E-08
316		0.00	0.000	0.003	0.0376	0.0367	0.0020	1.14E-06	0.2051	0.0029	2.46E-08
317		0.00	0.000	0.000	0.0375	0.0339	0.0018	1.06E-06	0.2051	0.0029	2.46E-08
318		0.00	0.000	0.000	0.0374	0.0292	0.0016	9.11E-07	0.2051	0.0029	2.46E-08
319		0.00	0.000	0.000	0.0374	0.0251	0.0014	7.87E-07	0.2051	0.0029	2.46E-08
320		0.00	0.000	0.000	0.0373	0.0216	0.0012	6.79E-07	0.2050	0.0029	2.46E-08
321	*	0.13	0.000	0.020	0.0381	0.0186	0.0010	5.87E-07	0.2050	0.0029	2.46E-08
322		0.00	0.000	0.026	0.0407	0.0160	0.0009	5.07E-07	0.2050	0.0029	2.46E-08
323		0.00	0.000	0.002	0.0406	0.0138	0.0008	4.39E-07	0.2050	0.0029	2.46E-08
324		0.00	0.000	0.010	0.0401	0.0136	0.0007	4.33E-07	0.2050	0.0029	2.46E-08
325		0.00	0.000	0.011	0.0397	0.0181	0.0010	5.71E-07	0.2050	0.0029	2.46E-08

326			0.00	0.000	0.008	0.0393	0.0215	0.0012	6.77E-07	0.2050	0.0029	2.46E-08
327			0.00	0.000	0.002	0.0391	0.0249	0.0014	7.79E-07	0.2050	0.0029	2.46E-08
328			0.00	0.000	0.004	0.0389	0.0263	0.0014	8.22E-07	0.2050	0.0029	2.46E-08
329			0.00	0.000	0.002	0.0388	0.0240	0.0013	7.52E-07	0.2050	0.0029	2.46E-08
330			0.00	0.000	0.003	0.0386	0.0242	0.0013	7.59E-07	0.2050	0.0029	2.46E-08
331			0.00	0.000	0.002	0.0385	0.0258	0.0014	8.07E-07	0.2050	0.0029	2.46E-08
332	*		0.00	0.000	0.000	0.0384	0.0245	0.0013	7.68E-07	0.2050	0.0029	2.46E-08
333	*		0.00	0.000	0.000	0.0384	0.0214	0.0012	6.71E-07	0.2050	0.0029	2.46E-08
334	*		0.00	0.000	0.000	0.0383	0.0184	0.0010	5.81E-07	0.2050	0.0029	2.46E-08
335	*		0.00	0.000	0.000	0.0383	0.0159	0.0009	5.04E-07	0.2050	0.0029	2.46E-08
336	*		0.01	0.000	0.003	0.0386	0.0137	0.0007	4.37E-07	0.2049	0.0029	2.46E-08
337	*		0.10	0.000	0.006	0.0394	0.0118	0.0006	3.78E-07	0.2049	0.0029	2.46E-08
338			0.00	0.000	0.023	0.0417	0.0102	0.0006	3.27E-07	0.2049	0.0029	2.46E-08
339	*		0.00	0.000	0.010	0.0412	0.0088	0.0005	2.84E-07	0.2049	0.0029	2.46E-08
340	*		0.00	0.000	0.012	0.0407	0.0100	0.0005	3.22E-07	0.2049	0.0029	2.46E-08
341			0.04	0.000	0.029	0.0412	0.0236	0.0013	7.40E-07	0.2049	0.0029	2.46E-08
342			0.08	0.000	0.009	0.0442	0.0398	0.0022	1.24E-06	0.2049	0.0029	2.46E-08
343			0.00	0.000	0.028	0.0429	0.0382	0.0021	1.19E-06	0.2049	0.0029	2.46E-08
344			0.09	0.000	0.043	0.0446	0.0476	0.0026	1.48E-06	0.2049	0.0029	2.46E-08
345			0.25	0.000	0.047	0.0530	0.0544	0.0030	1.69E-06	0.2049	0.0029	2.46E-08
346			0.00	0.000	0.027	0.0518	0.0563	0.0031	1.75E-06	0.2049	0.0029	2.46E-08
347			0.00	0.000	0.020	0.0509	0.0665	0.0036	2.07E-06	0.2049	0.0029	2.46E-08
348			0.06	0.000	0.037	0.0516	0.0587	0.0032	1.83E-06	0.2049	0.0029	2.46E-08
349			0.11	0.000	0.040	0.0544	0.0613	0.0033	1.91E-06	0.2049	0.0029	2.46E-08
350	*		0.05	0.000	0.018	0.0551	0.0639	0.0035	1.99E-06	0.2049	0.0029	2.46E-08
351	*		0.00	0.000	0.007	0.0551	0.0564	0.0031	1.75E-06	0.2048	0.0029	2.46E-08
352	*		0.00	0.000	0.000	0.0550	0.0521	0.0028	1.62E-06	0.2048	0.0029	2.46E-08
353	*		0.00	0.000	0.000	0.0548	0.0586	0.0032	1.82E-06	0.2048	0.0029	2.46E-08
354	*		0.00	0.000	0.000	0.0547	0.0661	0.0036	2.06E-06	0.2048	0.0029	2.46E-08
355	*		0.00	0.000	0.000	0.0545	0.0738	0.0040	2.30E-06	0.2048	0.0029	2.46E-08
356	*		0.00	0.000	0.000	0.0543	0.0838	0.0046	2.61E-06	0.2048	0.0029	2.46E-08
357			0.00	0.000	0.017	0.0534	0.0819	0.0045	2.55E-06	0.2048	0.0029	2.46E-08
358	*	*	0.00	0.000	0.000	0.0533	0.0706	0.0038	2.20E-06	0.2048	0.0029	2.46E-08
359		*	0.00	0.000	0.000	0.0531	0.0608	0.0033	1.89E-06	0.2048	0.0029	2.46E-08
360		*	0.00	0.000	0.000	0.0530	0.0524	0.0029	1.63E-06	0.2048	0.0029	2.46E-08
361	*	*	0.00	0.000	0.000	0.0529	0.0451	0.0025	1.40E-06	0.2048	0.0029	2.46E-08
362		*	0.00	0.000	0.000	0.0528	0.0388	0.0021	1.21E-06	0.2048	0.0029	2.46E-08

363		*	0.00	0.000	0.000	0.0528	0.0334	0.0018	1.04E-06	0.2047	0.0029	2.46E-08
364	*	*	0.00	0.000	0.000	0.0527	0.0288	0.0016	9.00E-07	0.2047	0.0029	2.46E-08
365	*	*	0.00	0.000	0.000	0.0526	0.0248	0.0014	7.77E-07	0.2047	0.0029	2.46E-08

* = Frozen (air or soil)

Annual Totals for Year 25			
	inches	cubic feet	percent
Precipitation	22.24	678,848.8	100.00
Runoff	0.889	27,147.6	4.00
Evapotranspiration	18.900	576,988.0	85.00
Drainage Collected from Layer 2	4.8331	147,545.6	21.73
Percolation/Leakage through Layer 3	0.002819	86.1	0.01
Average Head on Top of Layer 3	0.2429	---	---
Drainage Collected from Layer 5	1.0740	32,786.4	4.83
Percolation/Leakage through Layer 7	0.000009	0.2778	0.00
Average Head on Top of Layer 6	0.2077	---	---
Change in Water Storage	-3.4597	-105,619.1	-15.56
Soil Water at Start of Year	290.6350	8,872,593.7	1307.01
Soil Water at End of Year	287.1753	8,766,974.5	1291.45
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 26

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.0526	0.0214	0.0012	6.71E-07	0.2047	0.0029	2.46E-08
2		*	0.00	0.000	0.000	0.0525	0.0184	0.0010	5.80E-07	0.2047	0.0029	2.46E-08
3	*	*	0.00	0.000	0.000	0.0525	0.0158	0.0009	5.01E-07	0.2047	0.0029	2.46E-08
4	*	*	0.00	0.000	0.000	0.0525	0.0136	0.0007	4.34E-07	0.2047	0.0029	2.46E-08
5	*	*	0.00	0.000	0.000	0.0525	0.0118	0.0006	3.75E-07	0.2047	0.0029	2.46E-08
6	*	*	0.00	0.000	0.000	0.0524	0.0101	0.0006	3.25E-07	0.2046	0.0029	2.46E-08
7	*	*	0.00	0.000	0.000	0.0524	0.0087	0.0005	2.82E-07	0.2046	0.0029	2.46E-08
8		*	0.00	0.000	0.000	0.0524	0.0075	0.0004	2.45E-07	0.2046	0.0029	2.46E-08
9	*	*	0.00	0.000	0.000	0.0524	0.0065	0.0004	2.13E-07	0.2046	0.0029	2.46E-08
10	*	*	0.00	0.000	0.000	0.0524	0.0056	0.0003	1.85E-07	0.2046	0.0029	2.46E-08
11		*	0.00	0.000	0.000	0.0524	0.0048	0.0003	1.61E-07	0.2046	0.0029	2.46E-08
12		*	0.00	0.000	0.000	0.0523	0.0041	0.0002	1.41E-07	0.2046	0.0029	2.46E-08
13	*	*	0.00	0.000	0.000	0.0523	0.0036	0.0002	1.23E-07	0.2046	0.0029	2.46E-08
14	*	*	0.35	0.000	0.025	0.0523	0.0031	0.0002	1.08E-07	0.2045	0.0029	2.45E-08
15	*	*	0.00	0.000	0.010	0.0523	0.0026	0.0001	9.48E-08	0.2045	0.0029	2.45E-08
16	*	*	0.00	0.000	0.010	0.0523	0.0023	0.0001	8.37E-08	0.2045	0.0029	2.45E-08
17	*	*	0.00	0.000	0.015	0.0523	0.0020	0.0001	7.37E-08	0.2045	0.0029	2.45E-08
18		*	0.00	0.001	0.000	0.0642	0.0017	0.0001	6.54E-08	0.2045	0.0029	2.45E-08
19		*	0.00	0.000	0.000	0.0642	0.0015	0.0001	5.83E-08	0.2045	0.0029	2.45E-08
20	*	*	0.01	0.000	0.009	0.0642	0.0013	0.0001	5.21E-08	0.2045	0.0029	2.45E-08
21	*	*	0.00	0.000	0.000	0.0642	0.0011	0.0001	4.67E-08	0.2045	0.0029	2.45E-08
22		*	0.04	0.000	0.003	0.0657	0.0009	0.0001	4.21E-08	0.2044	0.0029	2.45E-08
23	*	*	0.01	0.000	0.010	0.0657	0.0008	0.0000	3.82E-08	0.2044	0.0029	2.45E-08
24	*	*	0.00	0.000	0.000	0.0657	0.0007	0.0000	3.48E-08	0.2044	0.0029	2.45E-08
25	*	*	0.00	0.000	0.000	0.0657	0.0006	0.0000	3.18E-08	0.2044	0.0029	2.45E-08
26	*	*	0.00	0.000	0.000	0.0657	0.0005	0.0000	2.93E-08	0.2044	0.0029	2.45E-08
27	*	*	0.00	0.000	0.000	0.0657	0.0004	0.0000	2.71E-08	0.2044	0.0029	2.45E-08
28	*	*	0.00	0.000	0.000	0.0657	0.0004	0.0000	2.52E-08	0.2044	0.0029	2.45E-08
29	*	*	0.00	0.000	0.000	0.0657	0.0003	0.0000	2.36E-08	0.2044	0.0029	2.45E-08

30	*	*	0.00	0.000	0.000	0.0657	0.0003	0.0000	2.22E-08	0.2043	0.0029	2.45E-08
31	*	*	0.00	0.000	0.000	0.0657	0.0002	0.0000	2.10E-08	0.2043	0.0029	2.45E-08
32	*	*	0.02	0.000	0.004	0.0657	0.0002	0.0000	2.00E-08	0.2043	0.0029	2.45E-08
33	*	*	0.15	0.000	0.018	0.0657	0.0002	0.0000	1.91E-08	0.2043	0.0029	2.45E-08
34	*	*	0.11	0.000	0.000	0.0657	0.0002	0.0000	1.84E-08	0.2043	0.0029	2.45E-08
35	*	*	0.00	0.000	0.016	0.0657	0.0001	0.0000	1.77E-08	0.2043	0.0029	2.45E-08
36	*	*	0.00	0.000	0.006	0.0657	0.0001	0.0000	1.71E-08	0.2043	0.0029	2.45E-08
37	*	*	0.00	0.000	0.023	0.0657	0.0001	0.0000	1.66E-08	0.2043	0.0029	2.45E-08
38		*	0.00	0.000	0.029	0.0684	0.0001	0.0000	1.62E-08	0.2042	0.0029	2.45E-08
39	*	*	0.00	0.000	0.027	0.0684	0.0001	0.0000	1.59E-08	0.2042	0.0029	2.45E-08
40	*	*	0.04	0.000	0.010	0.0684	0.0001	0.0000	1.55E-08	0.2042	0.0029	2.45E-08
41	*	*	0.01	0.000	0.022	0.0684	0.0001	0.0000	1.53E-08	0.2042	0.0029	2.45E-08
42	*	*	0.00	0.000	0.011	0.0684	0.0000	0.0000	1.50E-08	0.2042	0.0029	2.45E-08
43	*	*	0.01	0.000	0.000	0.0684	0.0000	0.0000	1.48E-08	0.2042	0.0029	2.45E-08
44	*	*	0.04	0.000	0.000	0.0684	0.0000	0.0000	1.47E-08	0.2042	0.0029	2.45E-08
45		*	0.00	0.000	0.036	0.0724	0.0000	0.0000	1.45E-08	0.2041	0.0029	2.45E-08
46		*	0.36	0.021	0.003	0.0865	0.0000	0.0000	1.44E-08	0.2041	0.0029	2.45E-08
47	*	*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.43E-08	0.2041	0.0029	2.45E-08
48	*	*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.42E-08	0.2041	0.0029	2.45E-08
49		*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.41E-08	0.2041	0.0029	2.45E-08
50	*	*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.40E-08	0.2041	0.0029	2.45E-08
51		*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.40E-08	0.2041	0.0029	2.45E-08
52		*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.39E-08	0.2041	0.0029	2.45E-08
53		*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.39E-08	0.2040	0.0029	2.45E-08
54		*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.38E-08	0.2040	0.0029	2.45E-08
55		*	0.00	0.000	0.000	0.0865	0.0000	0.0000	1.38E-08	0.2040	0.0029	2.45E-08
56		*	0.00	0.000	0.001	0.0866	0.0000	0.0000	1.38E-08	0.2040	0.0029	2.45E-08
57	*	*	0.00	0.000	0.001	0.0866	0.0000	0.0000	1.38E-08	0.2040	0.0029	2.45E-08
58	*	*	0.12	0.000	0.036	0.0866	0.0000	0.0000	1.37E-08	0.2040	0.0029	2.45E-08
59	*	*	0.03	0.000	0.018	0.0866	0.0000	0.0000	1.37E-08	0.2040	0.0029	2.45E-08
60	*	*	0.00	0.000	0.006	0.0866	0.0000	0.0000	1.37E-08	0.2040	0.0029	2.45E-08
61	*	*	0.00	0.000	0.031	0.0866	0.0000	0.0000	1.37E-08	0.2039	0.0029	2.45E-08
62	*	*	0.00	0.000	0.023	0.0866	0.0000	0.0000	1.37E-08	0.2039	0.0029	2.45E-08
63	*	*	0.00	0.000	0.014	0.0866	0.0000	0.0000	1.37E-08	0.2039	0.0029	2.45E-08
64	*	*	0.00	0.000	0.016	0.0866	0.0000	0.0000	1.37E-08	0.2039	0.0029	2.45E-08
65	*	*	0.00	0.000	0.010	0.0866	0.0000	0.0000	1.36E-08	0.2039	0.0029	2.45E-08
66	*	*	0.00	0.000	0.000	0.0866	0.0000	0.0000	1.36E-08	0.2039	0.0029	2.45E-08

67	*	*	0.00	0.000	0.000	0.0866	0.0000	0.0000	1.36E-08	0.2039	0.0029	2.45E-08
68	*	*	0.00	0.000	0.000	0.0866	0.0000	0.0000	1.36E-08	0.2039	0.0029	2.45E-08
69	*	*	0.00	0.000	0.000	0.0866	0.0000	0.0000	1.36E-08	0.2038	0.0029	2.45E-08
70	*	*	0.00	0.000	0.004	0.0866	0.0000	0.0000	1.36E-08	0.2038	0.0029	2.45E-08
71	*	*	0.02	0.000	0.019	0.0866	0.0000	0.0000	1.36E-08	0.2038	0.0029	2.45E-08
72	*	*	0.09	0.000	0.030	0.0866	0.0000	0.0000	1.36E-08	0.2038	0.0029	2.45E-08
73		*	0.14	0.001	0.034	0.0936	0.0000	0.0000	1.36E-08	0.2038	0.0029	2.45E-08
74	*	*	0.00	0.000	0.000	0.0936	0.0000	0.0000	1.36E-08	0.2038	0.0029	2.45E-08
75	*	*	0.00	0.000	0.000	0.0936	0.0000	0.0000	1.36E-08	0.2038	0.0029	2.45E-08
76	*	*	0.00	0.000	0.000	0.0936	0.0000	0.0000	1.36E-08	0.2037	0.0029	2.45E-08
77	*	*	0.00	0.000	0.000	0.0936	0.0000	0.0000	5.54E-09	0.2037	0.0029	2.45E-08
78		*	0.00	0.000	0.000	0.0936	0.0000	0.0000	0.00E+00	0.2037	0.0029	2.45E-08
79		*	0.00	0.000	0.000	0.0936	0.0000	0.0000	0.00E+00	0.2037	0.0029	2.44E-08
80		*	0.00	0.000	0.000	0.0936	0.0000	0.0000	0.00E+00	0.2037	0.0029	2.44E-08
81	*	*	0.00	0.000	0.000	0.0936	0.0000	0.0000	0.00E+00	0.2037	0.0029	2.44E-08
82	*	*	0.00	0.000	0.000	0.0936	0.0000	0.0000	0.00E+00	0.2037	0.0029	2.44E-08
83	*	*	0.51	0.000	0.020	0.0936	0.0000	0.0000	0.00E+00	0.2037	0.0029	2.44E-08
84		*	0.80	0.187	0.000	0.1137	0.0000	0.0000	0.00E+00	0.2036	0.0029	2.44E-08
85		*	0.68	0.694	0.000	0.1386	0.0000	0.0000	0.00E+00	0.2036	0.0029	2.44E-08
86		*	0.04	0.000	0.002	0.1402	0.0000	0.0000	0.00E+00	0.2036	0.0029	2.44E-08
87		*	0.00	0.000	0.000	0.1402	0.0000	0.0000	0.00E+00	0.2036	0.0029	2.44E-08
88		*	0.00	0.000	0.001	0.1402	0.0000	0.0000	0.00E+00	0.2036	0.0029	2.44E-08
89		*	0.12	0.000	0.002	0.1452	0.0000	0.0000	0.00E+00	0.2036	0.0029	2.44E-08
90		*	0.09	0.000	0.002	0.1488	0.0000	0.0000	0.00E+00	0.2036	0.0029	2.44E-08
91	*	*	0.06	0.000	0.057	0.1488	0.0000	0.0000	0.00E+00	0.2035	0.0029	2.44E-08
92	*	*	0.00	0.000	0.004	0.1488	0.0000	0.0000	0.00E+00	0.2035	0.0029	2.44E-08
93	*	*	0.00	0.000	0.000	0.1488	0.0000	0.0000	0.00E+00	0.2035	0.0029	2.44E-08
94	*	*	0.00	0.000	0.000	0.1488	0.0000	0.0000	0.00E+00	0.2035	0.0029	2.44E-08
95	*	*	0.01	0.000	0.009	0.1488	0.0000	0.0000	0.00E+00	0.2035	0.0029	2.44E-08
96	*	*	0.00	0.000	0.004	0.1488	0.0000	0.0000	0.00E+00	0.2035	0.0029	2.44E-08
97		*	0.00	0.000	0.000	0.1488	0.0000	0.0000	0.00E+00	0.2035	0.0029	2.44E-08
98		*	0.00	0.000	0.000	0.1488	0.0000	0.0000	0.00E+00	0.2034	0.0029	2.44E-08
99		*	0.03	0.000	0.002	0.1498	0.0000	0.0000	0.00E+00	0.2034	0.0029	2.44E-08
100		*	0.01	0.000	0.002	0.1500	0.0000	0.0000	0.00E+00	0.2034	0.0029	2.44E-08
101		*	0.00	0.000	0.000	0.1500	0.0000	0.0000	0.00E+00	0.2034	0.0029	2.44E-08
102		*	0.00	0.000	0.000	0.1500	0.0000	0.0000	0.00E+00	0.2034	0.0029	2.44E-08
103		*	0.08	0.000	0.002	0.1531	0.0000	0.0000	0.00E+00	0.2034	0.0029	2.44E-08

104		*	0.02	0.000	0.002	0.1539	0.0000	0.0000	0.00E+00	0.2034	0.0029	2.44E-08
105		*	0.03	0.000	0.002	0.1551	0.0000	0.0000	0.00E+00	0.2033	0.0029	2.44E-08
106		*	0.00	0.000	0.000	0.1551	0.0000	0.0000	0.00E+00	0.2033	0.0029	2.44E-08
107		*	0.05	0.000	0.002	0.1571	0.0000	0.0000	0.00E+00	0.2033	0.0029	2.44E-08
108		*	0.53	0.204	0.002	0.1707	0.0000	0.0000	0.00E+00	0.2033	0.0029	2.44E-08
109		*	0.00	0.000	0.000	0.1707	0.0000	0.0000	0.00E+00	0.2033	0.0029	2.44E-08
110			0.00	0.000	0.384	0.1537	0.4352	0.0237	1.38E-05	0.2033	0.0029	2.44E-08
111			0.00	0.000	0.284	0.1367	2.2772	0.1241	7.24E-05	0.2034	0.0029	2.44E-08
112			0.00	0.000	0.130	0.1262	2.2043	0.1202	7.01E-05	0.2035	0.0029	2.44E-08
113			0.00	0.000	0.054	0.1195	1.9951	0.1088	6.33E-05	0.2037	0.0029	2.44E-08
114			0.22	0.000	0.043	0.1229	1.7765	0.0968	5.63E-05	0.2038	0.0029	2.45E-08
115			0.73	0.000	0.037	0.1482	1.6000	0.0872	5.06E-05	0.2039	0.0029	2.45E-08
116	*		0.09	0.000	0.031	0.1458	1.4456	0.0788	4.57E-05	0.2039	0.0029	2.45E-08
117			0.43	0.000	0.029	0.1613	1.3068	0.0712	4.12E-05	0.2040	0.0029	2.45E-08
118			0.00	0.000	0.318	0.1454	1.1761	0.0641	3.71E-05	0.2040	0.0029	2.45E-08
119			0.12	0.000	0.423	0.1302	1.0845	0.0591	3.41E-05	0.2040	0.0029	2.45E-08
120			0.52	0.000	0.132	0.1443	0.9712	0.0529	3.05E-05	0.2040	0.0029	2.45E-08
121			0.12	0.000	0.184	0.1397	0.8464	0.0461	2.66E-05	0.2040	0.0029	2.45E-08
122			0.01	0.000	0.201	0.1301	0.7648	0.0417	2.40E-05	0.2040	0.0029	2.45E-08
123			0.00	0.000	0.535	0.1063	0.6980	0.0381	2.19E-05	0.2040	0.0029	2.45E-08
124			0.33	0.000	0.132	0.1128	0.6947	0.0379	2.18E-05	0.2039	0.0029	2.45E-08
125			0.00	0.000	0.054	0.1090	0.6827	0.0372	2.14E-05	0.2039	0.0029	2.45E-08
126	*		0.00	0.000	0.041	0.1058	0.6368	0.0347	2.00E-05	0.2038	0.0029	2.45E-08
127			0.00	0.000	0.035	0.1030	0.5924	0.0323	1.86E-05	0.2038	0.0029	2.45E-08
128			0.17	0.000	0.032	0.1075	0.5455	0.0297	1.71E-05	0.2038	0.0029	2.45E-08
129			0.31	0.000	0.030	0.1180	0.5005	0.0273	1.57E-05	0.2037	0.0029	2.45E-08
130			0.00	0.000	0.189	0.1092	0.4675	0.0255	1.46E-05	0.2037	0.0029	2.44E-08
131	*		0.00	0.000	0.026	0.1072	0.4299	0.0234	1.34E-05	0.2036	0.0029	2.44E-08
132	*		0.00	0.000	0.003	0.1063	0.3791	0.0207	1.18E-05	0.2036	0.0029	2.44E-08
133			0.00	0.000	0.024	0.1045	0.3430	0.0187	1.07E-05	0.2035	0.0029	2.44E-08
134	*		0.00	0.000	0.022	0.1029	0.3173	0.0173	9.91E-06	0.2034	0.0029	2.44E-08
135			0.11	0.000	0.023	0.1057	0.2945	0.0161	9.20E-06	0.2034	0.0029	2.44E-08
136			0.30	0.000	0.022	0.1167	0.2707	0.0148	8.45E-06	0.2033	0.0029	2.44E-08
137			0.02	0.000	0.167	0.1101	0.2564	0.0140	8.00E-06	0.2033	0.0029	2.44E-08
138			0.00	0.000	0.020	0.1087	0.2344	0.0128	7.31E-06	0.2032	0.0029	2.44E-08
139			0.00	0.000	0.020	0.1074	0.2231	0.0122	6.96E-06	0.2031	0.0029	2.44E-08
140			0.53	0.000	0.021	0.1280	0.2121	0.0116	6.62E-06	0.2031	0.0029	2.44E-08

141	0.00	0.000	0.345	0.1132	0.1942	0.0106	6.06E-06	0.2030	0.0029	2.44E-08
142	0.01	0.000	0.156	0.1066	0.1747	0.0095	5.45E-06	0.2030	0.0029	2.44E-08
143	0.00	0.000	0.111	0.1016	0.1723	0.0094	5.37E-06	0.2029	0.0029	2.44E-08
144	0.00	0.000	0.056	0.0988	0.1776	0.0097	5.54E-06	0.2029	0.0029	2.43E-08
145	0.02	0.000	0.045	0.0972	0.1844	0.0101	5.75E-06	0.2028	0.0029	2.43E-08
146	0.13	0.000	0.038	0.1007	0.1831	0.0100	5.71E-06	0.2028	0.0029	2.43E-08
147	0.00	0.000	0.033	0.0989	0.1774	0.0097	5.53E-06	0.2027	0.0029	2.43E-08
148	0.00	0.000	0.031	0.0972	0.1694	0.0092	5.28E-06	0.2027	0.0029	2.43E-08
149	0.00	0.000	0.029	0.0957	0.1602	0.0087	4.99E-06	0.2026	0.0029	2.43E-08
150	0.62	0.000	0.028	0.1200	0.1504	0.0082	4.69E-06	0.2026	0.0029	2.43E-08
151	0.00	0.000	0.219	0.1105	0.1439	0.0078	4.49E-06	0.2025	0.0029	2.43E-08
152	0.00	0.000	0.370	0.0948	0.1429	0.0078	4.45E-06	0.2025	0.0029	2.43E-08
153	0.00	0.000	0.136	0.0888	0.1268	0.0069	3.95E-06	0.2024	0.0029	2.43E-08
154	0.19	0.000	0.062	0.0939	0.1087	0.0059	3.39E-06	0.2024	0.0029	2.43E-08
155	0.01	0.000	0.052	0.0918	0.0947	0.0052	2.95E-06	0.2024	0.0029	2.43E-08
156	0.00	0.000	0.045	0.0897	0.0919	0.0050	2.86E-06	0.2023	0.0029	2.43E-08
157	1.11	0.000	0.037	0.1341	0.0873	0.0048	2.72E-06	0.2023	0.0029	2.43E-08
158	0.18	0.000	0.159	0.1348	0.0829	0.0045	2.58E-06	0.2022	0.0029	2.43E-08
159	0.00	0.000	0.142	0.1287	0.0809	0.0044	2.52E-06	0.2022	0.0029	2.43E-08
160	0.00	0.000	0.129	0.1232	0.0705	0.0038	2.19E-06	0.2022	0.0029	2.43E-08
161	0.00	0.000	0.217	0.1140	0.0603	0.0033	1.88E-06	0.2021	0.0029	2.43E-08
162	0.09	0.000	0.155	0.1112	0.0562	0.0031	1.75E-06	0.2021	0.0029	2.43E-08
163	0.00	0.000	0.142	0.1052	0.0552	0.0030	1.72E-06	0.2020	0.0029	2.42E-08
164	0.00	0.000	0.139	0.0993	0.0531	0.0029	1.65E-06	0.2020	0.0029	2.42E-08
165	0.00	0.000	0.060	0.0966	0.1060	0.0058	3.30E-06	0.2020	0.0029	2.42E-08
166	0.00	0.000	0.052	0.0941	0.1515	0.0083	4.72E-06	0.2019	0.0029	2.42E-08
167	0.00	0.000	0.050	0.0916	0.1763	0.0096	5.50E-06	0.2019	0.0029	2.42E-08
168	0.00	0.000	0.047	0.0892	0.1998	0.0109	6.23E-06	0.2019	0.0029	2.42E-08
169	0.00	0.000	0.046	0.0868	0.2230	0.0122	6.96E-06	0.2019	0.0029	2.42E-08
170	0.00	0.000	0.036	0.0847	0.2409	0.0131	7.52E-06	0.2019	0.0029	2.42E-08
171	0.52	0.000	0.036	0.1044	0.2530	0.0138	7.90E-06	0.2019	0.0029	2.42E-08
172	0.19	0.000	0.136	0.1060	0.2696	0.0147	8.41E-06	0.2018	0.0029	2.42E-08
173	0.00	0.000	0.260	0.0947	0.2663	0.0145	8.31E-06	0.2018	0.0029	2.42E-08
174	0.23	0.000	0.126	0.0985	0.2461	0.0134	7.68E-06	0.2018	0.0029	2.42E-08
175	0.00	0.000	0.070	0.0950	0.2581	0.0141	8.06E-06	0.2018	0.0029	2.42E-08
176	0.00	0.000	0.067	0.0917	0.2653	0.0145	8.28E-06	0.2018	0.0029	2.42E-08
177	0.18	0.000	0.051	0.0962	0.2656	0.0145	8.29E-06	0.2018	0.0029	2.42E-08

178	0.04	0.000	0.049	0.0952	0.2611	0.0142	8.15E-06	0.2018	0.0029	2.42E-08
179	0.04	0.000	0.044	0.0943	0.2523	0.0138	7.88E-06	0.2017	0.0029	2.42E-08
180	0.37	0.000	0.042	0.1073	0.2413	0.0132	7.53E-06	0.2017	0.0029	2.42E-08
181	0.00	0.000	0.140	0.1010	0.2246	0.0122	7.01E-06	0.2017	0.0029	2.42E-08
182	0.04	0.000	0.145	0.0961	0.2046	0.0112	6.38E-06	0.2017	0.0029	2.42E-08
183	0.29	0.000	0.327	0.0941	0.1840	0.0100	5.74E-06	0.2017	0.0029	2.42E-08
184	0.58	0.000	0.148	0.1118	0.1691	0.0092	5.27E-06	0.2016	0.0029	2.42E-08
185	0.49	0.000	0.359	0.1167	0.1788	0.0097	5.57E-06	0.2016	0.0029	2.42E-08
186	0.00	0.000	0.340	0.1021	0.1978	0.0108	6.17E-06	0.2016	0.0029	2.42E-08
187	0.00	0.000	0.217	0.0926	0.2023	0.0110	6.31E-06	0.2016	0.0029	2.42E-08
188	0.00	0.000	0.308	0.0793	0.1986	0.0108	6.19E-06	0.2016	0.0029	2.42E-08
189	0.00	0.000	0.154	0.0725	0.1914	0.0104	5.97E-06	0.2016	0.0029	2.42E-08
190	0.00	0.000	0.096	0.0680	0.1776	0.0097	5.54E-06	0.2015	0.0029	2.42E-08
191	0.02	0.000	0.093	0.0644	0.1626	0.0089	5.07E-06	0.2015	0.0029	2.42E-08
192	0.13	0.000	0.062	0.0668	0.1478	0.0081	4.61E-06	0.2015	0.0029	2.42E-08
193	0.01	0.000	0.057	0.0646	0.1335	0.0073	4.16E-06	0.2015	0.0029	2.42E-08
194	0.54	0.000	0.088	0.0833	0.1211	0.0066	3.77E-06	0.2015	0.0029	2.42E-08
195	0.00	0.000	0.253	0.0725	0.1139	0.0062	3.55E-06	0.2014	0.0029	2.42E-08
196	0.11	0.000	0.056	0.0744	0.1081	0.0059	3.37E-06	0.2014	0.0029	2.42E-08
197	0.00	0.000	0.093	0.0703	0.0979	0.0053	3.05E-06	0.2014	0.0029	2.42E-08
198	0.00	0.000	0.099	0.0660	0.0903	0.0049	2.81E-06	0.2014	0.0029	2.42E-08
199	0.09	0.000	0.061	0.0671	0.0828	0.0045	2.58E-06	0.2013	0.0029	2.42E-08
200	0.00	0.000	0.058	0.0645	0.0734	0.0040	2.29E-06	0.2013	0.0029	2.42E-08
201	0.01	0.000	0.102	0.0604	0.0670	0.0037	2.09E-06	0.2013	0.0029	2.42E-08
202	0.01	0.000	0.105	0.0565	0.0633	0.0035	1.97E-06	0.2013	0.0029	2.42E-08
203	0.00	0.000	0.084	0.0528	0.0597	0.0033	1.86E-06	0.2013	0.0029	2.42E-08
204	0.04	0.000	0.052	0.0521	0.0552	0.0030	1.72E-06	0.2012	0.0029	2.42E-08
205	0.00	0.000	0.043	0.0502	0.0484	0.0026	1.51E-06	0.2012	0.0029	2.41E-08
206	0.00	0.000	0.062	0.0474	0.0587	0.0032	1.83E-06	0.2012	0.0029	2.41E-08
207	0.00	0.000	0.056	0.0449	0.0751	0.0041	2.34E-06	0.2012	0.0029	2.41E-08
208	0.01	0.000	0.082	0.0419	0.0607	0.0033	1.89E-06	0.2011	0.0028	2.41E-08
209	0.20	0.000	0.099	0.0460	0.0159	0.0007	3.71E-07	0.2011	0.0028	2.41E-08
210	0.18	0.000	0.180	0.0462	0.0000	0.0000	0.00E+00	0.2011	0.0028	2.41E-08
211	0.01	0.000	0.155	0.0403	0.0000	0.0000	0.00E+00	0.2011	0.0028	2.41E-08
212	0.27	0.000	0.069	0.0487	0.0000	0.0000	0.00E+00	0.2011	0.0028	2.41E-08
213	0.00	0.000	0.151	0.0425	0.0000	0.0000	0.00E+00	0.2010	0.0028	2.41E-08
214	0.00	0.000	0.153	0.0361	0.0000	0.0000	0.00E+00	0.2010	0.0028	2.41E-08

215		0.31	0.000	0.060	0.0464	0.0000	0.0000	0.00E+00	0.2010	0.0028	2.41E-08
216		0.05	0.000	0.103	0.0442	0.0000	0.0000	0.00E+00	0.2010	0.0028	2.41E-08
217		0.00	0.000	0.183	0.0366	0.0000	0.0000	0.00E+00	0.2010	0.0028	2.41E-08
218		0.00	0.000	0.079	0.0333	0.0000	0.0000	0.00E+00	0.2009	0.0028	2.41E-08
219		0.00	0.000	0.012	0.0328	0.0000	0.0000	0.00E+00	0.2009	0.0028	2.41E-08
220		0.43	0.000	0.069	0.0476	0.0000	0.0000	0.00E+00	0.2009	0.0028	2.41E-08
221		0.41	0.000	0.133	0.0591	0.0000	0.0000	0.00E+00	0.2009	0.0028	2.41E-08
222		0.07	0.000	0.127	0.0568	0.0000	0.0000	0.00E+00	0.2009	0.0028	2.41E-08
223		0.00	0.000	0.179	0.0493	0.0000	0.0000	0.00E+00	0.2009	0.0028	2.41E-08
224		0.00	0.000	0.185	0.0416	0.0000	0.0000	0.00E+00	0.2009	0.0028	2.41E-08
225		0.41	0.000	0.242	0.0485	0.0000	0.0000	0.00E+00	0.2008	0.0028	2.41E-08
226		0.14	0.000	0.072	0.0513	0.0000	0.0000	0.00E+00	0.2008	0.0028	2.41E-08
227		0.00	0.000	0.137	0.0456	0.0000	0.0000	0.00E+00	0.2008	0.0028	2.41E-08
228		0.00	0.000	0.139	0.0398	0.0000	0.0000	0.00E+00	0.2008	0.0028	2.41E-08
229		0.00	0.000	0.139	0.0341	0.0000	0.0000	0.00E+00	0.2008	0.0028	2.41E-08
230		0.00	0.000	0.019	0.0333	0.0000	0.0000	0.00E+00	0.2008	0.0028	2.41E-08
231		0.00	0.000	0.019	0.0325	0.0000	0.0000	0.00E+00	0.2008	0.0028	2.41E-08
232		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
233		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
234		0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
235		0.82	0.000	0.034	0.0652	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
236		0.00	0.000	0.093	0.0613	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
237		0.00	0.000	0.093	0.0574	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
238		0.00	0.000	0.210	0.0488	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
239		0.71	0.000	0.094	0.0745	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
240		0.65	0.000	0.088	0.0977	0.0000	0.0000	0.00E+00	0.2007	0.0028	2.41E-08
241		0.14	0.000	0.091	0.0998	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
242		0.00	0.000	0.228	0.0903	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
243		0.00	0.000	0.186	0.0826	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
244		0.00	0.000	0.168	0.0756	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
245		0.01	0.000	0.126	0.0708	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
246		0.70	0.000	0.063	0.0974	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
247		0.00	0.000	0.075	0.0942	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
248		0.00	0.000	0.139	0.0885	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
249		0.00	0.000	0.137	0.0828	0.0000	0.0000	0.00E+00	0.2006	0.0028	2.41E-08
250		0.00	0.000	0.067	0.0800	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
251	*	0.00	0.000	0.044	0.0781	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08

252		0.64	0.000	0.075	0.1016	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
253		0.03	0.000	0.093	0.0987	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
254		0.02	0.000	0.084	0.0962	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
255		0.03	0.000	0.079	0.0944	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
256		0.01	0.000	0.058	0.0925	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
257		0.10	0.000	0.133	0.0912	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
258		0.00	0.000	0.139	0.0854	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
259		0.00	0.000	0.070	0.0825	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
260		0.00	0.000	0.085	0.0790	0.0000	0.0000	0.00E+00	0.2005	0.0028	2.41E-08
261		0.00	0.000	0.087	0.0753	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.41E-08
262	*	0.00	0.000	0.000	0.0753	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.41E-08
263	*	0.73	0.000	0.024	0.0762	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.41E-08
264		0.19	0.000	0.000	0.1126	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.41E-08
265		0.01	0.000	0.060	0.1105	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.41E-08
266		0.04	0.000	0.088	0.1087	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.40E-08
267		0.07	0.000	0.089	0.1081	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.40E-08
268		0.00	0.000	0.111	0.1035	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.40E-08
269		0.16	0.000	0.213	0.1012	0.0000	0.0000	0.00E+00	0.2004	0.0028	2.40E-08
270		0.00	0.000	0.071	0.0983	0.0107	0.0006	3.38E-07	0.2004	0.0028	2.40E-08
271		0.27	0.000	0.197	0.1013	0.0453	0.0025	1.41E-06	0.2003	0.0028	2.40E-08
272		0.56	0.000	0.176	0.1171	0.1087	0.0059	3.39E-06	0.2003	0.0028	2.40E-08
273		0.01	0.000	0.181	0.1096	0.1106	0.0060	3.45E-06	0.2003	0.0028	2.40E-08
274		0.40	0.000	0.120	0.1210	0.1382	0.0075	4.31E-06	0.2003	0.0028	2.40E-08
275		0.00	0.000	0.088	0.1170	0.1468	0.0080	4.57E-06	0.2003	0.0028	2.40E-08
276		0.00	0.000	0.161	0.1099	0.1597	0.0087	4.98E-06	0.2003	0.0028	2.40E-08
277		0.00	0.000	0.238	0.0997	0.1492	0.0081	4.65E-06	0.2003	0.0028	2.40E-08
278		0.00	0.000	0.153	0.0930	0.1410	0.0077	4.39E-06	0.2003	0.0028	2.40E-08
279		0.00	0.000	0.045	0.0908	0.1232	0.0067	3.84E-06	0.2003	0.0028	2.40E-08
280		0.00	0.000	0.053	0.0883	0.1491	0.0081	4.65E-06	0.2003	0.0028	2.40E-08
281		0.00	0.000	0.041	0.0862	0.2001	0.0109	6.24E-06	0.2003	0.0028	2.40E-08
282		0.00	0.000	0.034	0.0842	0.2305	0.0126	7.19E-06	0.2003	0.0028	2.40E-08
283		0.00	0.000	0.030	0.0824	0.2391	0.0130	7.46E-06	0.2003	0.0028	2.40E-08
284		0.00	0.000	0.027	0.0807	0.2619	0.0143	8.17E-06	0.2003	0.0028	2.40E-08
285		0.12	0.000	0.030	0.0837	0.2790	0.0152	8.71E-06	0.2003	0.0028	2.40E-08
286		0.01	0.000	0.028	0.0823	0.2869	0.0156	8.96E-06	0.2003	0.0028	2.40E-08
287		0.00	0.000	0.024	0.0807	0.2912	0.0159	9.09E-06	0.2003	0.0028	2.40E-08
288		0.00	0.000	0.024	0.0793	0.2827	0.0154	8.82E-06	0.2003	0.0028	2.40E-08

289				0.00	0.000	0.020	0.0778	0.2713	0.0148	8.47E-06	0.2003	0.0028	2.40E-08
290				0.00	0.000	0.019	0.0765	0.2574	0.0140	8.03E-06	0.2003	0.0028	2.40E-08
291	*			0.00	0.000	0.000	0.0759	0.2441	0.0133	7.62E-06	0.2003	0.0028	2.40E-08
292	*			0.00	0.000	0.000	0.0754	0.2318	0.0126	7.23E-06	0.2003	0.0028	2.40E-08
293	*			0.00	0.000	0.000	0.0749	0.2187	0.0119	6.82E-06	0.2003	0.0028	2.40E-08
294				0.00	0.000	0.018	0.0737	0.2090	0.0114	6.52E-06	0.2003	0.0028	2.40E-08
295				0.16	0.000	0.022	0.0790	0.1978	0.0108	6.17E-06	0.2003	0.0028	2.40E-08
296				0.03	0.000	0.021	0.0788	0.1795	0.0098	5.60E-06	0.2003	0.0028	2.40E-08
297				0.00	0.000	0.016	0.0778	0.1647	0.0090	5.14E-06	0.2003	0.0028	2.40E-08
298	*			0.00	0.000	0.000	0.0774	0.1534	0.0084	4.78E-06	0.2002	0.0028	2.40E-08
299	*			0.00	0.000	0.000	0.0771	0.1446	0.0079	4.51E-06	0.2002	0.0028	2.40E-08
300	*			0.00	0.000	0.001	0.0768	0.1361	0.0074	4.24E-06	0.2002	0.0028	2.40E-08
301	*			0.00	0.000	0.000	0.0765	0.1280	0.0070	3.99E-06	0.2002	0.0028	2.40E-08
302				0.00	0.000	0.016	0.0756	0.1202	0.0066	3.75E-06	0.2002	0.0028	2.40E-08
303				0.00	0.000	0.015	0.0747	0.1120	0.0061	3.49E-06	0.2002	0.0028	2.40E-08
304				0.02	0.000	0.019	0.0745	0.1044	0.0057	3.25E-06	0.2001	0.0028	2.40E-08
305				0.17	0.000	0.018	0.0805	0.0979	0.0053	3.05E-06	0.2001	0.0028	2.40E-08
306				0.00	0.000	0.014	0.0797	0.0925	0.0050	2.88E-06	0.2001	0.0028	2.40E-08
307				0.00	0.000	0.014	0.0789	0.0890	0.0048	2.77E-06	0.2001	0.0028	2.40E-08
308				0.00	0.000	0.013	0.0781	0.0872	0.0048	2.72E-06	0.2000	0.0028	2.40E-08
309				0.00	0.000	0.013	0.0774	0.0824	0.0045	2.56E-06	0.2000	0.0028	2.40E-08
310	*			0.00	0.000	0.013	0.0767	0.0777	0.0042	2.42E-06	0.2000	0.0028	2.40E-08
311				0.00	0.000	0.013	0.0760	0.0736	0.0040	2.29E-06	0.2000	0.0028	2.40E-08
312	*			0.00	0.000	0.000	0.0758	0.0708	0.0039	2.20E-06	0.2000	0.0028	2.40E-08
313	*			0.35	0.000	0.011	0.0765	0.0690	0.0038	2.15E-06	0.1999	0.0028	2.40E-08
314	*			0.00	0.000	0.021	0.0772	0.0670	0.0037	2.09E-06	0.1999	0.0028	2.40E-08
315				0.27	0.000	0.000	0.0998	0.0648	0.0035	2.02E-06	0.1999	0.0028	2.40E-08
316				0.00	0.000	0.041	0.0979	0.0601	0.0033	1.87E-06	0.1999	0.0028	2.40E-08
317	*			0.21	0.000	0.011	0.0986	0.0550	0.0030	1.71E-06	0.1999	0.0028	2.40E-08
318	*			0.02	0.000	0.004	0.0993	0.0550	0.0030	1.71E-06	0.1998	0.0028	2.40E-08
319	*			0.04	0.000	0.008	0.1000	0.0551	0.0030	1.72E-06	0.1998	0.0028	2.40E-08
320	*			0.01	0.000	0.002	0.1007	0.0546	0.0030	1.70E-06	0.1998	0.0028	2.40E-08
321	*	*		0.03	0.000	0.000	0.1006	0.0512	0.0028	1.59E-06	0.1998	0.0028	2.40E-08
322	*	*		0.00	0.000	0.003	0.1005	0.0441	0.0024	1.37E-06	0.1998	0.0028	2.40E-08
323	*	*		0.00	0.000	0.011	0.1004	0.0380	0.0021	1.18E-06	0.1997	0.0028	2.40E-08
324		*		0.00	0.000	0.020	0.1075	0.0327	0.0018	1.02E-06	0.1997	0.0028	2.40E-08
325		*		0.00	0.000	0.000	0.1074	0.0282	0.0015	8.81E-07	0.1997	0.0028	2.40E-08

326		*	0.00	0.000	0.000	0.1073	0.0243	0.0013	7.61E-07	0.1997	0.0028	2.40E-08
327		*	0.00	0.000	0.000	0.1073	0.0209	0.0011	6.57E-07	0.1997	0.0028	2.40E-08
328		*	0.00	0.000	0.000	0.1072	0.0180	0.0010	5.68E-07	0.1996	0.0028	2.40E-08
329		*	0.00	0.000	0.000	0.1072	0.0155	0.0008	4.91E-07	0.1996	0.0028	2.40E-08
330		*	0.00	0.000	0.000	0.1072	0.0134	0.0007	4.25E-07	0.1996	0.0028	2.40E-08
331		*	0.00	0.000	0.002	0.1072	0.0115	0.0006	3.68E-07	0.1996	0.0028	2.40E-08
332	*	*	0.39	0.000	0.020	0.1072	0.0099	0.0005	3.18E-07	0.1996	0.0028	2.39E-08
333	*	*	0.15	0.000	0.016	0.1071	0.0085	0.0005	2.76E-07	0.1995	0.0028	2.39E-08
334		*	0.05	0.096	0.000	0.1261	0.0073	0.0004	2.40E-07	0.1995	0.0028	2.39E-08
335		*	0.00	0.000	0.000	0.1261	0.0063	0.0003	2.08E-07	0.1995	0.0028	2.39E-08
336		*	0.02	0.000	0.003	0.1266	0.0055	0.0003	1.81E-07	0.1995	0.0028	2.39E-08
337		*	0.00	0.000	0.000	0.1266	0.0047	0.0003	1.58E-07	0.1995	0.0028	2.39E-08
338		*	0.00	0.000	0.000	0.1266	0.0040	0.0002	1.38E-07	0.1995	0.0028	2.39E-08
339		*	0.00	0.000	0.000	0.1266	0.0035	0.0002	1.21E-07	0.1994	0.0028	2.39E-08
340		*	0.00	0.000	0.000	0.1266	0.0030	0.0002	1.06E-07	0.1994	0.0028	2.39E-08
341	*	*	0.02	0.000	0.014	0.1266	0.0026	0.0001	9.31E-08	0.1994	0.0028	2.39E-08
342	*	*	0.05	0.000	0.019	0.1266	0.0022	0.0001	8.19E-08	0.1994	0.0028	2.39E-08
343		*	0.00	0.000	0.038	0.1266	0.0019	0.0001	7.25E-08	0.1994	0.0028	2.39E-08
344		*	0.00	0.000	0.000	0.1266	0.0016	0.0001	6.43E-08	0.1994	0.0028	2.39E-08
345		*	0.00	0.000	0.000	0.1266	0.0014	0.0001	5.73E-08	0.1993	0.0028	2.39E-08
346			0.13	0.000	0.053	0.1298	0.0042	0.0002	1.43E-07	0.1993	0.0028	2.39E-08
347			0.11	0.000	0.040	0.1325	0.0045	0.0002	1.53E-07	0.1993	0.0028	2.39E-08
348	*		0.01	0.000	0.008	0.1325	0.0039	0.0002	1.34E-07	0.1993	0.0028	2.39E-08
349	*		0.03	0.000	0.023	0.1327	0.0034	0.0002	1.17E-07	0.1993	0.0028	2.39E-08
350	*		0.08	0.000	0.007	0.1335	0.0029	0.0002	1.03E-07	0.1993	0.0028	2.39E-08
351	*		0.06	0.000	0.003	0.1343	0.0025	0.0001	9.04E-08	0.1992	0.0028	2.39E-08
352	*		0.01	0.000	0.001	0.1351	0.0279	0.0015	8.75E-07	0.1992	0.0028	2.39E-08
353	*		0.00	0.000	0.009	0.1356	0.1281	0.0070	3.99E-06	0.1992	0.0028	2.39E-08
354	*		0.00	0.000	0.011	0.1359	0.2339	0.0127	7.30E-06	0.1992	0.0028	2.39E-08
355	*		0.05	0.000	0.004	0.1360	0.3121	0.0170	9.75E-06	0.1992	0.0028	2.39E-08
356	*		0.00	0.000	0.017	0.1360	0.3634	0.0198	1.14E-05	0.1992	0.0028	2.39E-08
357			0.01	0.000	0.042	0.1337	0.3948	0.0215	1.23E-05	0.1992	0.0028	2.39E-08
358	*		0.30	0.000	0.014	0.1336	0.4042	0.0220	1.26E-05	0.1993	0.0028	2.39E-08
359	*		0.01	0.000	0.017	0.1335	0.4118	0.0224	1.29E-05	0.1993	0.0028	2.39E-08
360	*		0.00	0.000	0.016	0.1333	0.4227	0.0230	1.32E-05	0.1993	0.0028	2.39E-08
361	*	*	0.10	0.000	0.006	0.1324	0.3905	0.0213	1.22E-05	0.1993	0.0028	2.39E-08
362	*	*	0.00	0.000	0.011	0.1317	0.3363	0.0183	1.05E-05	0.1993	0.0028	2.39E-08

363		*	0.00	0.004	0.000	0.1420	0.2897	0.0158	9.04E-06	0.1993	0.0028	2.39E-08
364	*	*	0.00	0.000	0.018	0.1414	0.2495	0.0136	7.79E-06	0.1993	0.0028	2.39E-08
365		*	0.00	0.000	0.000	0.1409	0.2149	0.0117	6.70E-06	0.1993	0.0028	2.39E-08

* = Frozen (air or soil)

Annual Totals for Year 26			
	inches	cubic feet	percent
Precipitation	26.68	814,552.3	100.00
Runoff	1.207	36,851.3	4.52
Evapotranspiration	20.738	633,104.9	77.72
Drainage Collected from Layer 2	2.6161	79,865.5	9.80
Percolation/Leakage through Layer 3	0.001507	46.0	0.01
Average Head on Top of Layer 3	0.1315	---	---
Drainage Collected from Layer 5	1.0442	31,878.2	3.91
Percolation/Leakage through Layer 7	0.000009	0.2700	0.00
Average Head on Top of Layer 6	0.2019	---	---
Change in Water Storage	1.0761	32,852.1	4.03
Soil Water at Start of Year	287.1753	8,766,974.5	1076.29
Soil Water at End of Year	288.2514	8,799,826.7	1080.33
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 27

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1		*	0.00	0.000	0.000	0.1405	0.1851	0.0101	5.77E-06	0.1993	0.0028	2.39E-08
2	*	*	0.07	0.000	0.023	0.1401	0.1594	0.0087	4.97E-06	0.1992	0.0028	2.39E-08
3		*	0.00	0.000	0.041	0.1401	0.1373	0.0075	4.28E-06	0.1992	0.0028	2.39E-08
4		*	0.01	0.000	0.002	0.1400	0.1182	0.0064	3.68E-06	0.1992	0.0028	2.39E-08
5		*	0.11	0.000	0.002	0.1441	0.1018	0.0055	3.17E-06	0.1992	0.0028	2.39E-08
6		*	0.00	0.000	0.000	0.1439	0.0877	0.0048	2.73E-06	0.1992	0.0028	2.39E-08
7		*	0.00	0.000	0.000	0.1437	0.0755	0.0041	2.35E-06	0.1991	0.0028	2.39E-08
8		*	0.00	0.000	0.000	0.1436	0.0650	0.0035	2.03E-06	0.1991	0.0028	2.39E-08
9		*	0.00	0.000	0.000	0.1434	0.0560	0.0031	1.74E-06	0.1991	0.0028	2.39E-08
10		*	0.00	0.000	0.000	0.1433	0.0482	0.0026	1.50E-06	0.1991	0.0028	2.39E-08
11		*	0.00	0.000	0.000	0.1432	0.0415	0.0023	1.29E-06	0.1990	0.0028	2.39E-08
12		*	0.07	0.000	0.002	0.1459	0.0358	0.0020	1.12E-06	0.1990	0.0028	2.39E-08
13		*	0.00	0.000	0.000	0.1458	0.0308	0.0017	9.62E-07	0.1990	0.0028	2.39E-08
14		*	0.00	0.000	0.000	0.1457	0.0265	0.0014	8.31E-07	0.1990	0.0028	2.39E-08
15		*	0.00	0.000	0.000	0.1457	0.0229	0.0012	7.17E-07	0.1989	0.0028	2.39E-08
16	*	*	0.00	0.000	0.000	0.1456	0.0197	0.0011	6.19E-07	0.1989	0.0028	2.39E-08
17	*	*	0.00	0.000	0.000	0.1456	0.0170	0.0009	5.35E-07	0.1989	0.0028	2.39E-08
18		*	0.00	0.000	0.000	0.1456	0.0146	0.0008	4.63E-07	0.1989	0.0028	2.39E-08
19		*	0.00	0.000	0.000	0.1455	0.0126	0.0007	4.01E-07	0.1988	0.0028	2.39E-08
20			0.00	0.000	0.076	0.1423	0.0263	0.0014	8.23E-07	0.1988	0.0028	2.39E-08
21			0.00	0.000	0.031	0.1409	0.0574	0.0031	1.79E-06	0.1988	0.0028	2.39E-08
22	*		0.00	0.000	0.000	0.1405	0.1663	0.0091	5.19E-06	0.1988	0.0028	2.39E-08
23	*		0.00	0.000	0.000	0.1396	0.4069	0.0222	1.27E-05	0.1988	0.0028	2.39E-08
24	*		0.00	0.000	0.000	0.1383	0.5579	0.0304	1.75E-05	0.1988	0.0028	2.39E-08
25	*		0.03	0.000	0.029	0.1368	0.6428	0.0350	2.01E-05	0.1988	0.0028	2.39E-08
26			0.00	0.000	0.047	0.1332	0.6852	0.0374	2.15E-05	0.1988	0.0028	2.39E-08
27			0.00	0.000	0.046	0.1297	0.6973	0.0380	2.19E-05	0.1989	0.0028	2.39E-08
28			0.03	0.000	0.036	0.1277	0.6987	0.0381	2.19E-05	0.1989	0.0028	2.39E-08
29			0.00	0.000	0.058	0.1237	0.6855	0.0374	2.15E-05	0.1989	0.0028	2.39E-08

30			0.00	0.000	0.037	0.1207	0.6640	0.0362	2.08E-05	0.1989	0.0028	2.39E-08
31			0.00	0.000	0.040	0.1176	0.6418	0.0350	2.01E-05	0.1989	0.0028	2.39E-08
32			0.00	0.000	0.041	0.1145	0.6024	0.0328	1.89E-05	0.1989	0.0028	2.39E-08
33	*		0.00	0.000	0.033	0.1118	0.5575	0.0304	1.75E-05	0.1989	0.0028	2.39E-08
34	*		0.00	0.000	0.000	0.1107	0.5152	0.0281	1.61E-05	0.1989	0.0028	2.39E-08
35	*		0.08	0.000	0.008	0.1104	0.4715	0.0257	1.48E-05	0.1989	0.0028	2.39E-08
36	*		0.04	0.000	0.004	0.1103	0.4308	0.0235	1.35E-05	0.1989	0.0028	2.39E-08
37	*		0.16	0.000	0.004	0.1102	0.3998	0.0218	1.25E-05	0.1989	0.0028	2.39E-08
38	*		0.26	0.000	0.000	0.1101	0.3770	0.0206	1.18E-05	0.1989	0.0028	2.39E-08
39	*	*	0.00	0.000	0.011	0.1094	0.3458	0.0189	1.08E-05	0.1988	0.0028	2.39E-08
40		*	0.00	0.006	0.000	0.1216	0.2978	0.0162	9.30E-06	0.1988	0.0028	2.39E-08
41		*	0.00	0.000	0.048	0.1238	0.2565	0.0140	8.01E-06	0.1988	0.0028	2.39E-08
42	*	*	0.00	0.000	0.000	0.1233	0.2209	0.0120	6.89E-06	0.1988	0.0028	2.39E-08
43		*	0.01	0.000	0.002	0.1233	0.1903	0.0104	5.93E-06	0.1987	0.0028	2.38E-08
44		*	0.08	0.000	0.002	0.1263	0.1639	0.0089	5.11E-06	0.1987	0.0028	2.38E-08
45		*	0.00	0.000	0.000	0.1259	0.1411	0.0077	4.40E-06	0.1986	0.0028	2.38E-08
46	*	*	0.00	0.000	0.000	0.1257	0.1215	0.0066	3.79E-06	0.1986	0.0028	2.38E-08
47	*	*	0.00	0.000	0.000	0.1254	0.1047	0.0057	3.26E-06	0.1986	0.0028	2.38E-08
48	*	*	0.00	0.000	0.000	0.1252	0.0902	0.0049	2.81E-06	0.1985	0.0028	2.38E-08
49	*	*	0.00	0.000	0.000	0.1250	0.0776	0.0042	2.42E-06	0.1985	0.0028	2.38E-08
50		*	0.23	0.002	0.001	0.1345	0.0669	0.0036	2.08E-06	0.1985	0.0028	2.38E-08
51		*	0.01	0.000	0.001	0.1347	0.0576	0.0031	1.79E-06	0.1984	0.0028	2.38E-08
52		*	0.00	0.000	0.000	0.1346	0.0496	0.0027	1.54E-06	0.1984	0.0028	2.38E-08
53		*	0.15	0.000	0.001	0.1408	0.0427	0.0023	1.33E-06	0.1983	0.0028	2.38E-08
54	*	*	0.12	0.000	0.041	0.1408	0.0368	0.0020	1.15E-06	0.1983	0.0028	2.38E-08
55		*	0.00	0.000	0.047	0.1419	0.0317	0.0017	9.89E-07	0.1983	0.0028	2.38E-08
56	*	*	0.00	0.000	0.000	0.1418	0.0273	0.0015	8.54E-07	0.1982	0.0028	2.38E-08
57	*	*	0.00	0.000	0.000	0.1417	0.0235	0.0013	7.37E-07	0.1982	0.0028	2.38E-08
58	*	*	0.00	0.000	0.000	0.1417	0.0202	0.0011	6.37E-07	0.1982	0.0028	2.38E-08
59	*	*	0.00	0.000	0.000	0.1417	0.0174	0.0010	5.50E-07	0.1981	0.0028	2.38E-08
60	*	*	0.00	0.000	0.000	0.1416	0.0150	0.0008	4.76E-07	0.1981	0.0028	2.38E-08
61	*	*	0.00	0.000	0.000	0.1416	0.0129	0.0007	4.12E-07	0.1981	0.0028	2.38E-08
62	*	*	0.00	0.000	0.000	0.1416	0.0111	0.0006	3.56E-07	0.1980	0.0028	2.38E-08
63	*	*	0.00	0.000	0.000	0.1415	0.0096	0.0005	3.09E-07	0.1980	0.0028	2.38E-08
64	*	*	0.07	0.000	0.028	0.1415	0.0083	0.0005	2.68E-07	0.1980	0.0028	2.38E-08
65	*	*	0.01	0.000	0.044	0.1415	0.0071	0.0004	2.33E-07	0.1980	0.0028	2.38E-08
66	*	*	0.16	0.000	0.024	0.1415	0.0061	0.0003	2.02E-07	0.1979	0.0028	2.38E-08

67	*	*	0.00	0.000	0.009	0.1415	0.0053	0.0003	1.76E-07	0.1979	0.0028	2.37E-08
68	*	*	0.02	0.000	0.022	0.1415	0.0045	0.0002	1.53E-07	0.1979	0.0028	2.37E-08
69	*	*	0.28	0.000	0.003	0.1415	0.0039	0.0002	1.34E-07	0.1979	0.0028	2.37E-08
70	*	*	0.00	0.000	0.005	0.1415	0.0034	0.0002	1.17E-07	0.1978	0.0028	2.37E-08
71	*	*	0.00	0.000	0.005	0.1415	0.0029	0.0002	1.03E-07	0.1978	0.0028	2.37E-08
72	*	*	0.00	0.000	0.000	0.1414	0.0025	0.0001	9.06E-08	0.1978	0.0028	2.37E-08
73		*	0.00	0.058	0.033	0.1548	0.0022	0.0001	7.95E-08	0.1978	0.0028	2.37E-08
74	*	*	0.00	0.000	0.000	0.1548	0.0019	0.0001	7.06E-08	0.1977	0.0028	2.37E-08
75		*	0.00	0.000	0.000	0.1548	0.0016	0.0001	6.27E-08	0.1977	0.0028	2.37E-08
76		*	0.00	0.000	0.000	0.1548	0.0014	0.0001	5.59E-08	0.1977	0.0028	2.37E-08
77		*	0.00	0.000	0.000	0.1548	0.0012	0.0001	5.00E-08	0.1977	0.0028	2.37E-08
78	*	*	0.11	0.000	0.025	0.1548	0.0010	0.0001	4.50E-08	0.1977	0.0028	2.37E-08
79	*	*	0.00	0.000	0.048	0.1548	0.0009	0.0000	4.06E-08	0.1976	0.0028	2.37E-08
80	*	*	0.00	0.000	0.015	0.1548	0.0008	0.0000	3.69E-08	0.1976	0.0028	2.37E-08
81		*	0.02	0.000	0.045	0.1547	0.0007	0.0000	3.36E-08	0.1976	0.0028	2.37E-08
82		*	0.00	0.000	0.000	0.1547	0.0006	0.0000	3.09E-08	0.1976	0.0028	2.37E-08
83	*	*	0.00	0.000	0.000	0.1547	0.0005	0.0000	2.85E-08	0.1976	0.0028	2.37E-08
84		*	0.08	0.000	0.001	0.1582	0.0004	0.0000	2.64E-08	0.1976	0.0028	2.37E-08
85		*	0.29	0.029	0.001	0.1689	0.0004	0.0000	2.46E-08	0.1975	0.0028	2.37E-08
86		*	0.32	0.050	0.001	0.1802	0.0003	0.0000	2.31E-08	0.1975	0.0028	2.37E-08
87	*	*	0.00	0.000	0.000	0.1802	0.0003	0.0000	2.18E-08	0.1975	0.0028	2.37E-08
88		*	0.00	0.000	0.000	0.1802	0.0002	0.0000	2.06E-08	0.1975	0.0028	2.37E-08
89		*	0.00	0.000	0.000	0.1802	0.0002	0.0000	1.97E-08	0.1975	0.0028	2.37E-08
90		*	0.00	0.000	0.000	0.1802	0.0002	0.0000	1.88E-08	0.1975	0.0028	2.37E-08
91		*	0.08	0.000	0.001	0.1834	0.0001	0.0000	1.81E-08	0.1974	0.0028	2.37E-08
92		*	0.25	0.030	0.001	0.1923	0.0001	0.0000	1.75E-08	0.1974	0.0028	2.37E-08
93		*	0.32	0.072	0.001	0.2025	0.0001	0.0000	1.69E-08	0.1974	0.0028	2.37E-08
94		*	0.03	0.000	0.001	0.2035	0.0001	0.0000	1.65E-08	0.1974	0.0028	2.37E-08
95		*	0.00	0.000	0.000	0.2035	0.0001	0.0000	1.61E-08	0.1974	0.0028	2.37E-08
96		*	0.00	0.000	0.000	0.2035	0.0001	0.0000	1.57E-08	0.1974	0.0028	2.37E-08
97	*	*	0.00	0.000	0.000	0.2035	0.0001	0.0000	1.54E-08	0.1974	0.0028	2.37E-08
98		*	0.00	0.000	0.000	0.2035	0.0001	0.0000	1.52E-08	0.1974	0.0028	2.37E-08
99		*	0.00	0.000	0.000	0.2035	0.0000	0.0000	1.50E-08	0.1973	0.0028	2.37E-08
100		*	0.00	0.000	0.000	0.2035	0.0000	0.0000	1.48E-08	0.1973	0.0028	2.37E-08
101			0.00	0.000	0.424	0.1827	1.4229	0.0776	4.56E-05	0.1974	0.0028	2.37E-08
102			0.00	0.000	0.283	0.1624	3.7458	0.2042	1.21E-04	0.1975	0.0028	2.37E-08
103			0.00	0.000	0.130	0.1492	3.4159	0.1862	1.10E-04	0.1978	0.0028	2.37E-08

104		0.24	0.000	0.055	0.1497	3.1143	0.1698	9.98E-05	0.1980	0.0028	2.38E-08
105		0.23	0.000	0.042	0.1509	2.8670	0.1563	9.17E-05	0.1982	0.0028	2.38E-08
106		0.43	0.000	0.173	0.1556	2.5933	0.1414	8.27E-05	0.1984	0.0028	2.38E-08
107		0.29	0.000	0.074	0.1594	2.3245	0.1267	7.40E-05	0.1985	0.0028	2.38E-08
108		0.62	0.000	0.065	0.1778	2.0761	0.1132	6.59E-05	0.1986	0.0028	2.38E-08
109		0.05	0.000	0.089	0.1718	1.8501	0.1009	5.86E-05	0.1986	0.0028	2.38E-08
110	*	0.01	0.000	0.114	0.1638	1.6283	0.0888	5.15E-05	0.1986	0.0028	2.38E-08
111		0.92	0.000	0.140	0.1924	1.6370	0.0892	5.18E-05	0.1987	0.0028	2.38E-08
112	*	0.07	0.000	0.060	0.1879	2.1091	0.1150	6.70E-05	0.1987	0.0028	2.38E-08
113		0.00	0.000	0.185	0.1746	2.4918	0.1358	7.94E-05	0.1987	0.0028	2.38E-08
114	*	0.00	0.000	0.000	0.1688	2.5395	0.1384	8.10E-05	0.1988	0.0028	2.39E-08
115	*	0.00	0.000	0.000	0.1633	2.4092	0.1313	7.67E-05	0.1989	0.0028	2.39E-08
116		0.00	0.000	0.174	0.1510	2.2449	0.1224	7.14E-05	0.1989	0.0028	2.39E-08
117		0.00	0.000	0.286	0.1343	2.1055	0.1148	6.69E-05	0.1989	0.0028	2.39E-08
118		0.00	0.000	0.130	0.1244	1.9679	0.1073	6.24E-05	0.1989	0.0028	2.39E-08
119		0.11	0.000	0.055	0.1226	1.7694	0.0965	5.60E-05	0.1989	0.0028	2.39E-08
120		0.01	0.000	0.042	0.1179	1.5564	0.0848	4.92E-05	0.1989	0.0028	2.39E-08
121		0.00	0.000	0.035	0.1133	1.3965	0.0761	4.41E-05	0.1988	0.0028	2.39E-08
122		0.53	0.000	0.032	0.1312	1.2734	0.0694	4.02E-05	0.1987	0.0028	2.38E-08
123		0.05	0.000	0.211	0.1219	1.1631	0.0634	3.66E-05	0.1987	0.0028	2.38E-08
124	*	0.00	0.000	0.083	0.1161	1.0607	0.0578	3.34E-05	0.1986	0.0028	2.38E-08
125		0.04	0.000	0.064	0.1130	0.9549	0.0521	3.00E-05	0.1985	0.0028	2.38E-08
126		0.03	0.000	0.122	0.1071	0.8590	0.0468	2.70E-05	0.1984	0.0028	2.38E-08
127		0.22	0.000	0.055	0.1121	0.7815	0.0426	2.45E-05	0.1983	0.0028	2.38E-08
128		0.23	0.000	0.086	0.1167	0.7057	0.0385	2.21E-05	0.1982	0.0028	2.38E-08
129	*	0.01	0.000	0.115	0.1111	0.6397	0.0349	2.00E-05	0.1981	0.0028	2.38E-08
130		0.54	0.000	0.239	0.1225	0.5623	0.0307	1.76E-05	0.1980	0.0028	2.38E-08
131		0.00	0.000	0.214	0.1124	0.4990	0.0272	1.56E-05	0.1978	0.0028	2.37E-08
132		0.00	0.000	0.229	0.1018	0.4714	0.0257	1.47E-05	0.1977	0.0028	2.37E-08
133		0.33	0.000	0.132	0.1089	0.4377	0.0239	1.37E-05	0.1976	0.0028	2.37E-08
134		0.80	0.000	0.307	0.1285	0.3945	0.0215	1.23E-05	0.1975	0.0028	2.37E-08
135		0.04	0.000	0.149	0.1232	0.3599	0.0196	1.12E-05	0.1974	0.0028	2.37E-08
136		0.13	0.000	0.204	0.1193	0.3415	0.0186	1.07E-05	0.1973	0.0028	2.37E-08
137		0.03	0.000	0.184	0.1121	0.3321	0.0181	1.04E-05	0.1972	0.0028	2.37E-08
138		0.18	0.000	0.150	0.1127	0.3163	0.0172	9.88E-06	0.1971	0.0028	2.37E-08
139		0.00	0.000	0.233	0.1023	0.2941	0.0160	9.18E-06	0.1970	0.0028	2.36E-08
140		0.00	0.000	0.236	0.0919	0.2748	0.0150	8.58E-06	0.1969	0.0028	2.36E-08

141	0.00	0.000	0.132	0.0858	0.2422	0.0132	7.56E-06	0.1968	0.0028	2.36E-08
142	0.00	0.000	0.055	0.0830	0.2337	0.0127	7.29E-06	0.1967	0.0028	2.36E-08
143	0.00	0.000	0.046	0.0806	0.2230	0.0122	6.96E-06	0.1966	0.0028	2.36E-08
144	0.33	0.000	0.040	0.0923	0.2098	0.0114	6.54E-06	0.1965	0.0028	2.36E-08
145	0.13	0.000	0.037	0.0955	0.1956	0.0107	6.10E-06	0.1965	0.0028	2.36E-08
146	0.25	0.000	0.032	0.1042	0.1814	0.0099	5.66E-06	0.1964	0.0028	2.36E-08
147	0.09	0.000	0.116	0.1028	0.1690	0.0092	5.27E-06	0.1963	0.0028	2.36E-08
148	0.00	0.000	0.112	0.0978	0.1591	0.0087	4.96E-06	0.1962	0.0028	2.35E-08
149	0.00	0.000	0.213	0.0885	0.1509	0.0082	4.70E-06	0.1961	0.0028	2.35E-08
150	0.00	0.000	0.114	0.0835	0.1356	0.0074	4.23E-06	0.1961	0.0028	2.35E-08
151	0.00	0.000	0.058	0.0808	0.1167	0.0064	3.63E-06	0.1960	0.0028	2.35E-08
152	0.00	0.000	0.049	0.0785	0.1039	0.0057	3.24E-06	0.1959	0.0028	2.35E-08
153	0.27	0.000	0.042	0.0878	0.0963	0.0052	3.00E-06	0.1959	0.0028	2.35E-08
154	0.13	0.000	0.045	0.0913	0.0848	0.0046	2.64E-06	0.1958	0.0028	2.35E-08
155	0.00	0.000	0.038	0.0895	0.0744	0.0041	2.32E-06	0.1958	0.0028	2.35E-08
156	0.00	0.000	0.033	0.0880	0.0654	0.0036	2.04E-06	0.1957	0.0028	2.35E-08
157	0.00	0.000	0.033	0.0865	0.0583	0.0032	1.82E-06	0.1956	0.0028	2.35E-08
158	0.00	0.000	0.032	0.0851	0.0523	0.0029	1.63E-06	0.1956	0.0028	2.35E-08
159	0.53	0.000	0.033	0.1058	0.0473	0.0026	1.47E-06	0.1955	0.0028	2.35E-08
160	0.12	0.000	0.286	0.0989	0.0498	0.0027	1.55E-06	0.1955	0.0028	2.35E-08
161	0.00	0.000	0.259	0.0880	0.0578	0.0032	1.80E-06	0.1954	0.0028	2.35E-08
162	0.00	0.000	0.147	0.0817	0.0631	0.0034	1.96E-06	0.1954	0.0028	2.34E-08
163	0.00	0.000	0.071	0.0786	0.0632	0.0034	1.97E-06	0.1954	0.0028	2.34E-08
164	0.00	0.000	0.058	0.0760	0.0604	0.0033	1.88E-06	0.1953	0.0028	2.34E-08
165	0.00	0.000	0.056	0.0736	0.0572	0.0031	1.78E-06	0.1953	0.0028	2.34E-08
166	0.26	0.000	0.059	0.0816	0.0541	0.0029	1.68E-06	0.1953	0.0028	2.34E-08
167	2.06	0.001	0.043	0.1657	0.0509	0.0028	1.58E-06	0.1952	0.0028	2.34E-08
168	0.10	0.000	0.275	0.1578	0.1789	0.0098	5.60E-06	0.1952	0.0028	2.34E-08
169	0.00	0.000	0.277	0.1440	0.9580	0.0522	3.01E-05	0.1952	0.0028	2.34E-08
170	0.37	0.000	0.149	0.1507	1.1391	0.0621	3.59E-05	0.1953	0.0028	2.34E-08
171	0.16	0.000	0.133	0.1493	1.1873	0.0647	3.74E-05	0.1953	0.0028	2.34E-08
172	0.00	0.000	0.140	0.1409	1.1318	0.0617	3.56E-05	0.1954	0.0028	2.34E-08
173	0.00	0.000	0.130	0.1330	1.0673	0.0582	3.36E-05	0.1954	0.0028	2.34E-08
174	0.00	0.000	0.229	0.1212	1.0120	0.0552	3.18E-05	0.1954	0.0028	2.35E-08
175	0.09	0.000	0.180	0.1152	0.9642	0.0526	3.03E-05	0.1955	0.0028	2.35E-08
176	0.00	0.000	0.084	0.1096	0.9303	0.0507	2.92E-05	0.1955	0.0028	2.35E-08
177	0.15	0.000	0.067	0.1109	0.8646	0.0471	2.72E-05	0.1955	0.0028	2.35E-08

178	0.43	0.000	0.088	0.1234	0.7909	0.0431	2.48E-05	0.1955	0.0028	2.35E-08
179	1.04	0.000	0.311	0.1520	0.7172	0.0391	2.25E-05	0.1955	0.0028	2.35E-08
180	0.00	0.000	0.188	0.1426	0.6468	0.0353	2.03E-05	0.1955	0.0028	2.35E-08
181	0.00	0.000	0.290	0.1292	0.5849	0.0319	1.83E-05	0.1955	0.0028	2.35E-08
182	0.00	0.000	0.299	0.1156	0.5080	0.0277	1.59E-05	0.1955	0.0028	2.35E-08
183	0.00	0.000	0.192	0.1066	0.4631	0.0252	1.45E-05	0.1954	0.0028	2.35E-08
184	0.00	0.000	0.120	0.1006	0.4391	0.0239	1.37E-05	0.1954	0.0028	2.34E-08
185	0.01	0.000	0.153	0.0935	0.4882	0.0266	1.53E-05	0.1954	0.0028	2.34E-08
186	0.23	0.000	0.123	0.0966	0.5286	0.0288	1.65E-05	0.1954	0.0028	2.34E-08
187	0.00	0.000	0.121	0.0904	0.5174	0.0282	1.62E-05	0.1953	0.0028	2.34E-08
188	0.00	0.000	0.079	0.0859	0.5653	0.0308	1.77E-05	0.1953	0.0028	2.34E-08
189	0.32	0.000	0.140	0.0919	0.5822	0.0317	1.82E-05	0.1953	0.0028	2.34E-08
190	0.47	0.000	0.133	0.1047	0.5702	0.0311	1.79E-05	0.1953	0.0028	2.34E-08
191	0.00	0.000	0.355	0.0887	0.5269	0.0287	1.65E-05	0.1953	0.0028	2.34E-08
192	0.00	0.000	0.375	0.0718	0.5407	0.0295	1.69E-05	0.1953	0.0028	2.34E-08
193	0.00	0.000	0.251	0.0600	0.5728	0.0312	1.79E-05	0.1952	0.0028	2.34E-08
194	0.00	0.000	0.142	0.0526	0.6421	0.0350	2.01E-05	0.1952	0.0028	2.34E-08
195	0.00	0.000	0.107	0.0466	0.6734	0.0367	2.11E-05	0.1952	0.0028	2.34E-08
196	0.01	0.000	0.107	0.0414	0.4531	0.0247	1.42E-05	0.1952	0.0028	2.34E-08
197	0.00	0.000	0.078	0.0379	0.1958	0.0107	6.11E-06	0.1952	0.0028	2.34E-08
198	0.04	0.000	0.069	0.0364	0.0191	0.0008	4.30E-07	0.1951	0.0028	2.34E-08
199	0.17	0.000	0.043	0.0416	0.0000	0.0000	0.00E+00	0.1951	0.0028	2.34E-08
200	0.93	0.000	0.069	0.0776	0.0000	0.0000	0.00E+00	0.1950	0.0028	2.34E-08
201	0.00	0.000	0.120	0.0726	0.0000	0.0000	0.00E+00	0.1950	0.0028	2.34E-08
202	0.12	0.000	0.192	0.0694	0.0000	0.0000	0.00E+00	0.1949	0.0028	2.34E-08
203	0.32	0.000	0.100	0.0786	0.0000	0.0000	0.00E+00	0.1949	0.0028	2.34E-08
204	0.22	0.000	0.114	0.0829	0.0000	0.0000	0.00E+00	0.1948	0.0028	2.34E-08
205	0.01	0.000	0.221	0.0740	0.0000	0.0000	0.00E+00	0.1948	0.0028	2.34E-08
206	0.00	0.000	0.299	0.0615	0.0000	0.0000	0.00E+00	0.1947	0.0028	2.34E-08
207	0.03	0.000	0.128	0.0575	0.0000	0.0000	0.00E+00	0.1947	0.0028	2.34E-08
208	0.00	0.000	0.271	0.0462	0.0000	0.0000	0.00E+00	0.1947	0.0028	2.34E-08
209	0.00	0.000	0.237	0.0363	0.0000	0.0000	0.00E+00	0.1946	0.0028	2.34E-08
210	2.04	0.000	0.213	0.1126	0.0000	0.0000	0.00E+00	0.1946	0.0028	2.33E-08
211	0.00	0.000	0.163	0.1058	0.0000	0.0000	0.00E+00	0.1946	0.0028	2.33E-08
212	0.00	0.000	0.158	0.0992	0.0000	0.0000	0.00E+00	0.1945	0.0028	2.33E-08
213	0.18	0.000	0.258	0.0958	0.0000	0.0000	0.00E+00	0.1945	0.0028	2.33E-08
214	0.01	0.000	0.124	0.0910	0.0000	0.0000	0.00E+00	0.1945	0.0028	2.33E-08

215	0.10	0.000	0.285	0.0833	0.0000	0.0000	0.00E+00	0.1945	0.0028	2.33E-08
216	0.26	0.000	0.285	0.0822	0.0000	0.0000	0.00E+00	0.1944	0.0028	2.33E-08
217	0.10	0.000	0.266	0.0753	0.0000	0.0000	0.00E+00	0.1944	0.0028	2.33E-08
218	0.17	0.000	0.111	0.0778	0.0000	0.0000	0.00E+00	0.1944	0.0028	2.33E-08
219	0.00	0.000	0.109	0.0733	0.0000	0.0000	0.00E+00	0.1944	0.0028	2.33E-08
220	0.08	0.000	0.106	0.0724	0.0000	0.0000	0.00E+00	0.1944	0.0028	2.33E-08
221	0.00	0.000	0.195	0.0643	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
222	0.00	0.000	0.106	0.0599	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
223	1.09	0.000	0.120	0.1005	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
224	0.39	0.000	0.128	0.1112	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
225	0.28	0.000	0.131	0.1176	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
226	0.00	0.000	0.219	0.1085	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
227	0.00	0.000	0.267	0.0974	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
228	0.00	0.000	0.133	0.0918	0.0000	0.0000	0.00E+00	0.1943	0.0028	2.33E-08
229	0.00	0.000	0.266	0.0807	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
230	0.00	0.000	0.098	0.0766	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
231	0.00	0.000	0.146	0.0706	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
232	0.00	0.000	0.087	0.0669	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
233	0.47	0.000	0.095	0.0824	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
234	0.13	0.000	0.105	0.0833	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
235	0.00	0.000	0.099	0.0792	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
236	1.38	0.000	0.233	0.1272	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
237	0.18	0.000	0.272	0.1232	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
238	0.00	0.000	0.285	0.1114	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
239	0.00	0.000	0.244	0.1012	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
240	0.00	0.000	0.201	0.0928	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
241	0.00	0.000	0.099	0.0887	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
242	0.00	0.000	0.072	0.0857	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
243	0.02	0.000	0.066	0.0837	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
244	0.03	0.000	0.071	0.0818	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
245	0.03	0.000	0.059	0.0806	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
246	0.01	0.000	0.038	0.0793	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
247	0.09	0.000	0.050	0.0811	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
248	0.22	0.000	0.051	0.0882	0.0000	0.0000	0.00E+00	0.1942	0.0028	2.33E-08
249	0.23	0.000	0.049	0.0959	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08
250	0.00	0.000	0.087	0.0923	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08
251	0.00	0.000	0.191	0.0843	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08

252		0.09	0.000	0.077	0.0849	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08
253		0.01	0.000	0.063	0.0826	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08
254		0.40	0.000	0.064	0.0965	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08
255		0.32	0.000	0.109	0.1052	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08
256		0.02	0.000	0.092	0.1023	0.0000	0.0000	0.00E+00	0.1941	0.0028	2.33E-08
257		0.00	0.000	0.101	0.0980	0.0134	0.0007	4.25E-07	0.1941	0.0028	2.33E-08
258		0.11	0.000	0.059	0.1002	0.0420	0.0023	1.31E-06	0.1941	0.0028	2.33E-08
259		0.09	0.000	0.105	0.0993	0.0645	0.0035	2.01E-06	0.1941	0.0028	2.33E-08
260		0.04	0.000	0.055	0.0985	0.0807	0.0044	2.51E-06	0.1941	0.0028	2.33E-08
261		0.00	0.000	0.062	0.0957	0.0935	0.0051	2.91E-06	0.1942	0.0028	2.33E-08
262		0.25	0.000	0.079	0.1025	0.0989	0.0054	3.08E-06	0.1942	0.0028	2.33E-08
263		0.00	0.000	0.102	0.0981	0.1004	0.0055	3.13E-06	0.1942	0.0028	2.33E-08
264		0.00	0.000	0.108	0.0933	0.0985	0.0054	3.07E-06	0.1942	0.0028	2.33E-08
265		0.00	0.000	0.117	0.0882	0.0970	0.0053	3.02E-06	0.1942	0.0028	2.33E-08
266		0.00	0.000	0.130	0.0826	0.0953	0.0052	2.97E-06	0.1942	0.0028	2.33E-08
267		0.00	0.000	0.054	0.0801	0.0976	0.0053	3.04E-06	0.1942	0.0028	2.33E-08
268		0.29	0.000	0.063	0.0894	0.1040	0.0057	3.24E-06	0.1942	0.0028	2.33E-08
269		0.08	0.000	0.057	0.0902	0.1079	0.0059	3.36E-06	0.1942	0.0028	2.33E-08
270		0.17	0.000	0.091	0.0934	0.1085	0.0059	3.38E-06	0.1942	0.0028	2.33E-08
271		0.07	0.000	0.076	0.0929	0.1131	0.0062	3.52E-06	0.1942	0.0028	2.33E-08
272		0.59	0.000	0.077	0.1141	0.1155	0.0063	3.60E-06	0.1942	0.0028	2.33E-08
273		0.00	0.000	0.050	0.1117	0.1149	0.0063	3.58E-06	0.1942	0.0028	2.33E-08
274		0.00	0.000	0.044	0.1096	0.1122	0.0061	3.50E-06	0.1942	0.0028	2.33E-08
275		0.00	0.000	0.092	0.1056	0.1091	0.0059	3.40E-06	0.1942	0.0028	2.33E-08
276	*	0.00	0.000	0.051	0.1032	0.1057	0.0058	3.29E-06	0.1942	0.0028	2.33E-08
277		0.07	0.000	0.079	0.1025	0.0988	0.0054	3.08E-06	0.1942	0.0028	2.33E-08
278	*	0.37	0.000	0.018	0.1031	0.0935	0.0051	2.91E-06	0.1942	0.0028	2.33E-08
279		0.49	0.000	0.000	0.1372	0.0866	0.0047	2.70E-06	0.1942	0.0028	2.33E-08
280	*	0.48	0.000	0.015	0.1379	0.0802	0.0044	2.50E-06	0.1942	0.0028	2.33E-08
281	*	0.03	0.000	0.020	0.1385	0.0735	0.0040	2.29E-06	0.1942	0.0028	2.33E-08
282		0.05	0.000	0.000	0.1585	0.0636	0.0035	1.98E-06	0.1942	0.0028	2.33E-08
283		0.00	0.000	0.074	0.1551	0.1332	0.0073	4.15E-06	0.1942	0.0028	2.33E-08
284	*	0.02	0.000	0.018	0.1540	0.4795	0.0261	1.50E-05	0.1942	0.0028	2.33E-08
285		0.00	0.000	0.086	0.1485	0.8481	0.0462	2.66E-05	0.1942	0.0028	2.33E-08
286		0.00	0.000	0.071	0.1432	1.0168	0.0554	3.20E-05	0.1943	0.0028	2.33E-08
287	*	0.02	0.000	0.018	0.1408	1.0691	0.0583	3.36E-05	0.1944	0.0028	2.33E-08
288		0.15	0.000	0.100	0.1404	1.0614	0.0579	3.34E-05	0.1944	0.0028	2.33E-08

289			0.18	0.000	0.100	0.1412	1.0250	0.0559	3.22E-05	0.1945	0.0028	2.33E-08
290			0.10	0.000	0.104	0.1389	0.9956	0.0543	3.13E-05	0.1945	0.0028	2.33E-08
291			0.18	0.000	0.055	0.1419	0.9304	0.0507	2.92E-05	0.1946	0.0028	2.33E-08
292			0.00	0.000	0.055	0.1376	0.8696	0.0474	2.73E-05	0.1946	0.0028	2.34E-08
293			0.00	0.000	0.071	0.1328	0.8033	0.0438	2.52E-05	0.1946	0.0028	2.34E-08
294			0.00	0.000	0.045	0.1293	0.7440	0.0406	2.33E-05	0.1946	0.0028	2.34E-08
295			0.01	0.000	0.076	0.1250	0.7094	0.0387	2.22E-05	0.1946	0.0028	2.34E-08
296			0.00	0.000	0.072	0.1204	0.6778	0.0369	2.12E-05	0.1946	0.0028	2.34E-08
297			0.00	0.000	0.045	0.1171	0.6331	0.0345	1.98E-05	0.1946	0.0028	2.34E-08
298	*		0.04	0.000	0.027	0.1165	0.5883	0.0321	1.84E-05	0.1946	0.0028	2.34E-08
299	*		0.90	0.000	0.024	0.1160	0.5511	0.0300	1.73E-05	0.1946	0.0028	2.34E-08
300			0.00	0.000	0.000	0.1504	0.5083	0.0277	1.59E-05	0.1946	0.0028	2.34E-08
301	*		0.00	0.000	0.033	0.1480	0.4593	0.0250	1.44E-05	0.1946	0.0028	2.33E-08
302	*		0.01	0.000	0.030	0.1462	0.4063	0.0221	1.27E-05	0.1946	0.0028	2.33E-08
303			0.00	0.000	0.042	0.1433	0.5126	0.0279	1.60E-05	0.1945	0.0028	2.33E-08
304			0.00	0.000	0.080	0.1384	0.6722	0.0366	2.11E-05	0.1945	0.0028	2.33E-08
305			0.00	0.000	0.062	0.1341	0.7615	0.0415	2.39E-05	0.1945	0.0028	2.33E-08
306			0.00	0.000	0.045	0.1304	0.7979	0.0435	2.50E-05	0.1945	0.0028	2.33E-08
307	*		0.02	0.000	0.033	0.1282	0.8063	0.0440	2.53E-05	0.1945	0.0028	2.33E-08
308	*		0.00	0.000	0.000	0.1264	0.7800	0.0425	2.45E-05	0.1945	0.0028	2.33E-08
309	*		0.38	0.000	0.005	0.1255	0.7388	0.0403	2.32E-05	0.1945	0.0028	2.33E-08
310	*		0.44	0.000	0.012	0.1247	0.7037	0.0384	2.21E-05	0.1945	0.0028	2.33E-08
311			0.24	0.000	0.000	0.1652	0.6743	0.0368	2.11E-05	0.1945	0.0028	2.33E-08
312	*		0.00	0.000	0.000	0.1638	0.6432	0.0351	2.02E-05	0.1945	0.0028	2.33E-08
313	*		0.00	0.000	0.001	0.1614	1.0408	0.0567	3.28E-05	0.1945	0.0028	2.33E-08
314	*		0.46	0.000	0.004	0.1593	1.2969	0.0707	4.09E-05	0.1945	0.0028	2.33E-08
315	*		0.00	0.000	0.001	0.1569	1.3817	0.0753	4.36E-05	0.1945	0.0028	2.33E-08
316	*		0.00	0.000	0.001	0.1546	1.3910	0.0758	4.39E-05	0.1946	0.0028	2.33E-08
317	*		0.03	0.000	0.000	0.1524	1.3504	0.0736	4.26E-05	0.1946	0.0028	2.34E-08
318			0.00	0.000	0.000	0.1662	1.2980	0.0708	4.09E-05	0.1946	0.0028	2.34E-08
319	*	*	0.00	0.000	0.000	0.1634	1.1996	0.0654	3.78E-05	0.1946	0.0028	2.34E-08
320	*	*	0.00	0.000	0.000	0.1611	1.0331	0.0563	3.25E-05	0.1946	0.0028	2.34E-08
321	*	*	0.00	0.000	0.000	0.1591	0.8898	0.0485	2.80E-05	0.1946	0.0028	2.34E-08
322	*	*	0.02	0.000	0.006	0.1573	0.7663	0.0418	2.40E-05	0.1946	0.0028	2.33E-08
323	*	*	0.00	0.000	0.011	0.1558	0.6600	0.0360	2.07E-05	0.1946	0.0028	2.33E-08
324	*	*	0.17	0.000	0.000	0.1545	0.5684	0.0310	1.78E-05	0.1945	0.0028	2.33E-08
325	*	*	0.00	0.000	0.019	0.1534	0.4896	0.0267	1.53E-05	0.1944	0.0028	2.33E-08

326		*	0.00	0.000	0.023	0.1580	0.4216	0.0230	1.32E-05	0.1944	0.0028	2.33E-08
327		*	0.00	0.000	0.000	0.1572	0.3631	0.0198	1.13E-05	0.1943	0.0028	2.33E-08
328	*	*	0.00	0.000	0.000	0.1565	0.3127	0.0170	9.77E-06	0.1943	0.0028	2.33E-08
329	*	*	0.00	0.000	0.000	0.1559	0.2693	0.0147	8.41E-06	0.1942	0.0028	2.33E-08
330		*	0.13	0.000	0.007	0.1605	0.2320	0.0126	7.24E-06	0.1941	0.0028	2.33E-08
331	*	*	0.00	0.000	0.000	0.1600	0.1998	0.0109	6.23E-06	0.1941	0.0027	2.33E-08
332	*	*	0.00	0.000	0.000	0.1596	0.1721	0.0094	5.36E-06	0.1940	0.0027	2.33E-08
333	*	*	0.00	0.000	0.001	0.1593	0.1482	0.0081	4.62E-06	0.1939	0.0027	2.33E-08
334	*	*	0.00	0.000	0.000	0.1590	0.1276	0.0070	3.98E-06	0.1939	0.0027	2.33E-08
335	*	*	0.00	0.000	0.000	0.1587	0.1099	0.0060	3.42E-06	0.1938	0.0027	2.33E-08
336	*	*	0.00	0.000	0.000	0.1585	0.0947	0.0052	2.95E-06	0.1937	0.0027	2.32E-08
337	*	*	0.02	0.000	0.006	0.1583	0.0815	0.0044	2.54E-06	0.1937	0.0027	2.32E-08
338	*	*	0.00	0.000	0.011	0.1582	0.0702	0.0038	2.19E-06	0.1936	0.0027	2.32E-08
339	*	*	0.00	0.000	0.000	0.1580	0.0605	0.0033	1.88E-06	0.1936	0.0027	2.32E-08
340	*	*	0.00	0.000	0.000	0.1579	0.0521	0.0028	1.62E-06	0.1935	0.0027	2.32E-08
341	*	*	0.00	0.000	0.000	0.1578	0.0449	0.0024	1.40E-06	0.1934	0.0027	2.32E-08
342	*	*	0.00	0.000	0.000	0.1577	0.0386	0.0021	1.20E-06	0.1934	0.0027	2.32E-08
343	*	*	0.00	0.000	0.000	0.1577	0.0333	0.0018	1.04E-06	0.1933	0.0027	2.32E-08
344	*	*	0.00	0.000	0.000	0.1576	0.0287	0.0016	8.96E-07	0.1933	0.0027	2.32E-08
345	*	*	0.07	0.000	0.012	0.1575	0.0247	0.0013	7.73E-07	0.1932	0.0027	2.32E-08
346	*	*	0.02	0.000	0.004	0.1575	0.0213	0.0012	6.68E-07	0.1932	0.0027	2.32E-08
347	*	*	0.06	0.000	0.006	0.1574	0.0183	0.0010	5.77E-07	0.1932	0.0027	2.32E-08
348	*	*	0.00	0.000	0.023	0.1574	0.0158	0.0009	4.99E-07	0.1931	0.0027	2.32E-08
349		*	0.00	0.000	0.022	0.1585	0.0136	0.0007	4.31E-07	0.1931	0.0027	2.32E-08
350	*	*	0.00	0.000	0.021	0.1585	0.0117	0.0006	3.73E-07	0.1930	0.0027	2.32E-08
351	*	*	0.06	0.000	0.006	0.1585	0.0101	0.0005	3.24E-07	0.1930	0.0027	2.32E-08
352	*	*	0.01	0.000	0.000	0.1584	0.0087	0.0005	2.80E-07	0.1930	0.0027	2.32E-08
353	*	*	0.00	0.000	0.024	0.1584	0.0075	0.0004	2.43E-07	0.1929	0.0027	2.31E-08
354	*	*	0.00	0.000	0.009	0.1584	0.0064	0.0004	2.12E-07	0.1929	0.0027	2.31E-08
355	*	*	0.00	0.000	0.010	0.1584	0.0055	0.0003	1.84E-07	0.1929	0.0027	2.31E-08
356		*	0.00	0.000	0.021	0.1598	0.0048	0.0003	1.60E-07	0.1928	0.0027	2.31E-08
357		*	0.34	0.036	0.006	0.1720	0.0041	0.0002	1.40E-07	0.1928	0.0027	2.31E-08
358	*	*	0.00	0.000	0.000	0.1720	0.0035	0.0002	1.23E-07	0.1928	0.0027	2.31E-08
359	*	*	0.00	0.000	0.000	0.1720	0.0030	0.0002	1.07E-07	0.1928	0.0027	2.31E-08
360		*	0.00	0.000	0.000	0.1720	0.0026	0.0001	9.44E-08	0.1927	0.0027	2.31E-08
361	*	*	0.26	0.000	0.009	0.1720	0.0023	0.0001	8.35E-08	0.1927	0.0027	2.31E-08
362	*	*	0.00	0.000	0.004	0.1720	0.0019	0.0001	7.34E-08	0.1927	0.0027	2.31E-08

363	*	*	0.00	0.000	0.002	0.1720	0.0017	0.0001	6.52E-08	0.1927	0.0027	2.31E-08
364	*	*	0.00	0.000	0.006	0.1720	0.0014	0.0001	5.80E-08	0.1927	0.0027	2.31E-08
365	*	*	0.08	0.000	0.003	0.1720	0.0012	0.0001	5.19E-08	0.1926	0.0027	2.31E-08

* = Frozen (air or soil)

Annual Totals for Year 27			
	inches	cubic feet	percent
Precipitation	34.93	1,066,328.0	100.00
Runoff	0.285	8,706.1	0.82
Evapotranspiration	26.169	798,882.5	74.92
Drainage Collected from Layer 2	7.4078	226,147.5	21.21
Percolation/Leakage through Layer 3	0.004287	130.9	0.01
Average Head on Top of Layer 3	0.3723	---	---
Drainage Collected from Layer 5	1.0133	30,935.0	2.90
Percolation/Leakage through Layer 7	0.000009	0.2620	0.00
Average Head on Top of Layer 6	0.1960	---	---
Change in Water Storage	0.0543	1,656.6	0.16
Soil Water at Start of Year	288.2514	8,799,826.7	825.25
Soil Water at End of Year	287.9874	8,791,766.5	824.49
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.3183	9,716.7	0.91
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 28

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.02	0.000	0.000	0.1720	0.0011	0.0001	4.66E-08	0.1926	0.0027	2.31E-08
2		*	0.00	0.000	0.026	0.1724	0.0009	0.0001	4.20E-08	0.1926	0.0027	2.31E-08
3	*	*	0.00	0.000	0.021	0.1724	0.0008	0.0000	3.80E-08	0.1926	0.0027	2.31E-08
4	*	*	0.00	0.000	0.022	0.1724	0.0007	0.0000	3.47E-08	0.1926	0.0027	2.31E-08
5		*	0.07	0.045	0.000	0.1840	0.0006	0.0000	3.17E-08	0.1926	0.0027	2.31E-08
6		*	0.00	0.000	0.000	0.1840	0.0005	0.0000	2.92E-08	0.1925	0.0027	2.31E-08
7	*	*	0.00	0.000	0.000	0.1840	0.0004	0.0000	2.70E-08	0.1925	0.0027	2.31E-08
8	*	*	0.04	0.000	0.025	0.1840	0.0004	0.0000	2.52E-08	0.1925	0.0027	2.31E-08
9	*	*	0.08	0.000	0.010	0.1840	0.0003	0.0000	2.36E-08	0.1925	0.0027	2.31E-08
10	*	*	0.00	0.000	0.004	0.1840	0.0003	0.0000	2.22E-08	0.1925	0.0027	2.31E-08
11	*	*	0.00	0.000	0.017	0.1840	0.0002	0.0000	2.10E-08	0.1925	0.0027	2.31E-08
12	*	*	0.00	0.000	0.007	0.1840	0.0002	0.0000	2.00E-08	0.1925	0.0027	2.31E-08
13	*	*	0.01	0.000	0.009	0.1840	0.0002	0.0000	1.91E-08	0.1925	0.0027	2.31E-08
14	*	*	0.00	0.000	0.013	0.1840	0.0002	0.0000	1.83E-08	0.1925	0.0027	2.31E-08
15	*	*	0.00	0.000	0.021	0.1840	0.0001	0.0000	1.77E-08	0.1924	0.0027	2.31E-08
16	*	*	0.00	0.000	0.015	0.1840	0.0001	0.0000	1.71E-08	0.1924	0.0027	2.31E-08
17		*	0.00	0.000	0.000	0.1840	0.0001	0.0000	1.66E-08	0.1924	0.0027	2.31E-08
18		*	0.00	0.000	0.000	0.1840	0.0001	0.0000	1.62E-08	0.1924	0.0027	2.31E-08
19		*	0.00	0.000	0.000	0.1840	0.0001	0.0000	1.58E-08	0.1924	0.0027	2.31E-08
20		*	0.03	0.000	0.005	0.1848	0.0001	0.0000	1.55E-08	0.1924	0.0027	2.31E-08
21		*	0.00	0.000	0.000	0.1848	0.0001	0.0000	1.53E-08	0.1924	0.0027	2.31E-08
22		*	0.10	0.000	0.005	0.1886	0.0000	0.0000	1.50E-08	0.1924	0.0027	2.31E-08
23		*	0.08	0.000	0.005	0.1917	0.0000	0.0000	1.48E-08	0.1924	0.0027	2.31E-08
24		*	0.27	0.041	0.005	0.2009	0.0000	0.0000	1.47E-08	0.1924	0.0027	2.31E-08
25	*	*	0.00	0.000	0.000	0.2009	0.0000	0.0000	1.45E-08	0.1924	0.0027	2.31E-08
26		*	0.00	0.000	0.000	0.2009	0.0000	0.0000	1.44E-08	0.1924	0.0027	2.31E-08
27		*	0.00	0.000	0.000	0.2009	0.0000	0.0000	1.43E-08	0.1924	0.0027	2.31E-08
28		*	0.00	0.000	0.000	0.2009	0.0000	0.0000	1.42E-08	0.1924	0.0027	2.31E-08
29	*	*	0.00	0.000	0.000	0.2009	0.0000	0.0000	1.41E-08	0.1924	0.0027	2.31E-08

30		*	0.08	0.000	0.005	0.2042	0.0000	0.0000	1.40E-08	0.1923	0.0027	2.31E-08
31		*	0.07	0.000	0.005	0.2070	0.0000	0.0000	1.40E-08	0.1923	0.0027	2.31E-08
32	*	*	0.08	0.000	0.024	0.2070	0.0000	0.0000	1.39E-08	0.1923	0.0027	2.31E-08
33	*	*	0.00	0.000	0.009	0.2070	0.0000	0.0000	1.39E-08	0.1923	0.0027	2.31E-08
34	*	*	0.00	0.000	0.017	0.2070	0.0000	0.0000	1.38E-08	0.1923	0.0027	2.31E-08
35	*	*	0.00	0.000	0.015	0.2070	0.0000	0.0000	1.38E-08	0.1923	0.0027	2.31E-08
36	*	*	0.00	0.000	0.017	0.2070	0.0000	0.0000	1.38E-08	0.1923	0.0027	2.31E-08
37	*	*	0.00	0.000	0.000	0.2070	0.0000	0.0000	1.38E-08	0.1923	0.0027	2.31E-08
38	*	*	0.00	0.000	0.000	0.2070	0.0000	0.0000	1.37E-08	0.1923	0.0027	2.31E-08
39	*	*	0.00	0.000	0.000	0.2070	0.0000	0.0000	1.37E-08	0.1923	0.0027	2.31E-08
40	*	*	0.00	0.000	0.000	0.2070	0.0000	0.0000	1.37E-08	0.1923	0.0027	2.31E-08
41	*	*	0.00	0.000	0.002	0.2070	0.0000	0.0000	1.37E-08	0.1923	0.0027	2.31E-08
42		*	0.03	0.000	0.005	0.2079	0.0000	0.0000	1.37E-08	0.1923	0.0027	2.31E-08
43	*	*	0.00	0.000	0.000	0.2079	0.0000	0.0000	1.37E-08	0.1923	0.0027	2.31E-08
44	*	*	0.00	0.000	0.000	0.2079	0.0000	0.0000	1.37E-08	0.1923	0.0027	2.31E-08
45	*	*	0.10	0.000	0.017	0.2079	0.0000	0.0000	1.36E-08	0.1923	0.0027	2.31E-08
46	*	*	0.00	0.000	0.015	0.2079	0.0000	0.0000	1.36E-08	0.1923	0.0027	2.31E-08
47		*	0.05	0.004	0.038	0.2114	0.0000	0.0000	1.36E-08	0.1923	0.0027	2.31E-08
48		*	0.00	0.000	0.003	0.2115	0.0000	0.0000	1.36E-08	0.1923	0.0027	2.31E-08
49	*	*	0.00	0.000	0.000	0.2115	0.0000	0.0000	1.36E-08	0.1923	0.0027	2.31E-08
50	*	*	0.00	0.000	0.000	0.2115	0.0000	0.0000	1.36E-08	0.1923	0.0027	2.31E-08
51	*	*	0.01	0.000	0.010	0.2115	0.0000	0.0000	1.36E-08	0.1923	0.0027	2.31E-08
52	*	*	0.11	0.000	0.022	0.2115	0.0000	0.0000	1.36E-08	0.1922	0.0027	2.31E-08
53	*	*	0.00	0.000	0.006	0.2115	0.0000	0.0000	1.36E-08	0.1922	0.0027	2.31E-08
54	*	*	0.00	0.000	0.010	0.2115	0.0000	0.0000	1.36E-08	0.1922	0.0027	2.31E-08
55		*	0.00	0.000	0.048	0.2128	0.0000	0.0000	1.36E-08	0.1922	0.0027	2.31E-08
56	*	*	0.00	0.000	0.000	0.2128	0.0000	0.0000	1.36E-08	0.1922	0.0027	2.31E-08
57	*	*	0.00	0.000	0.000	0.2128	0.0000	0.0000	5.08E-09	0.1922	0.0027	2.31E-08
58	*	*	0.00	0.000	0.001	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
59	*	*	0.00	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
60		*	0.00	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
61		*	0.00	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
62	*	*	0.00	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
63	*	*	0.28	0.000	0.008	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
64	*	*	0.00	0.000	0.009	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
65	*	*	0.00	0.000	0.016	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
66	*	*	0.03	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08

67	*	*	0.11	0.000	0.000	0.2128	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
68		*	0.00	0.139	0.016	0.2225	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
69	*	*	0.00	0.000	0.000	0.2225	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
70	*	*	0.00	0.000	0.000	0.2225	0.0000	0.0000	0.00E+00	0.1922	0.0027	2.31E-08
71		*	0.00	0.000	0.000	0.2225	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
72		*	0.10	0.003	0.004	0.2264	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
73	*	*	0.00	0.000	0.000	0.2264	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
74	*	*	0.50	0.000	0.023	0.2264	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
75	*	*	0.00	0.000	0.004	0.2264	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
76	*	*	0.00	0.000	0.000	0.2264	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
77		*	0.00	0.233	0.074	0.2335	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
78		*	0.00	0.000	0.000	0.2335	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.31E-08
79		*	0.00	0.000	0.002	0.2336	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
80	*	*	0.00	0.000	0.000	0.2336	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
81		*	0.14	0.019	0.004	0.2386	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
82		*	0.00	0.000	0.000	0.2386	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
83	*	*	0.00	0.000	0.000	0.2386	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
84	*	*	0.14	0.000	0.014	0.2386	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
85	*	*	0.05	0.000	0.005	0.2386	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
86	*	*	0.00	0.000	0.043	0.2386	0.0000	0.0000	0.00E+00	0.1921	0.0027	2.30E-08
87		*	0.00	0.017	0.093	0.2396	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
88		*	0.34	0.141	0.004	0.2476	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
89	*	*	0.59	0.000	0.033	0.2476	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
90		*	0.00	0.339	0.018	0.2559	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
91		*	0.00	0.000	0.000	0.2559	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
92		*	0.40	0.222	0.003	0.2633	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
93		*	0.00	0.000	0.000	0.2633	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
94		*	0.49	0.311	0.003	0.2706	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
95	*	*	0.00	0.000	0.004	0.2706	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
96	*	*	0.10	0.000	0.025	0.2706	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
97		*	0.00	0.002	0.075	0.2706	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
98		*	0.00	0.000	0.000	0.2706	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
99		*	0.07	0.005	0.003	0.2730	0.0000	0.0000	0.00E+00	0.1920	0.0027	2.30E-08
100	*	*	0.00	0.000	0.000	0.2730	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
101		*	0.09	0.012	0.003	0.2761	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
102		*	0.17	0.059	0.003	0.2805	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
103		*	0.07	0.006	0.003	0.2829	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08

104	*	0.00	0.000	0.000	0.2829	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
105	*	0.00	0.000	0.000	0.2829	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
106	*	0.01	0.000	0.003	0.2833	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
107	*	0.22	0.103	0.003	0.2880	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
108	*	0.00	0.000	0.000	0.2880	0.0000	0.0000	0.00E+00	0.1919	0.0027	2.30E-08
109		1.46	0.604	0.256	0.2959	7.5609	0.4122	2.56E-04	0.1921	0.0027	2.31E-08
110		0.00	0.000	0.253	0.2619	10.3377	0.5635	3.50E-04	0.1929	0.0027	2.31E-08
111		0.00	0.000	0.209	0.2327	8.9900	0.4901	3.01E-04	0.1936	0.0027	2.32E-08
112		0.05	0.000	0.245	0.2079	7.3157	0.3988	2.42E-04	0.1942	0.0028	2.33E-08
113		0.00	0.000	0.130	0.1877	6.4785	0.3532	2.13E-04	0.1947	0.0028	2.34E-08
114		0.00	0.000	0.054	0.1725	5.7264	0.3122	1.87E-04	0.1950	0.0028	2.34E-08
115		0.00	0.000	0.041	0.1598	4.8243	0.2630	1.57E-04	0.1952	0.0028	2.34E-08
116		1.23	0.000	0.038	0.2010	3.6786	0.2005	1.18E-04	0.1953	0.0028	2.34E-08
117		0.04	0.000	0.226	0.1858	3.2694	0.1782	1.05E-04	0.1953	0.0028	2.34E-08
118		0.04	0.000	0.329	0.1667	3.0275	0.1650	9.69E-05	0.1953	0.0028	2.34E-08
119		0.00	0.000	0.275	0.1486	2.8826	0.1571	9.22E-05	0.1953	0.0028	2.34E-08
120		0.00	0.000	0.130	0.1372	2.6616	0.1451	8.50E-05	0.1952	0.0028	2.34E-08
121		0.00	0.000	0.054	0.1295	2.3720	0.1293	7.55E-05	0.1951	0.0028	2.34E-08
122		0.00	0.000	0.041	0.1228	2.2078	0.1204	7.02E-05	0.1950	0.0028	2.34E-08
123		0.00	0.000	0.035	0.1167	2.0335	0.1109	6.46E-05	0.1949	0.0028	2.34E-08
124		0.00	0.000	0.031	0.1113	1.8518	0.1009	5.87E-05	0.1948	0.0028	2.34E-08
125		0.38	0.000	0.031	0.1220	1.6747	0.0913	5.30E-05	0.1946	0.0028	2.34E-08
126		0.02	0.000	0.028	0.1184	1.5109	0.0824	4.77E-05	0.1945	0.0028	2.33E-08
127		0.14	0.000	0.026	0.1198	1.3549	0.0739	4.28E-05	0.1943	0.0028	2.33E-08
128		0.00	0.000	0.022	0.1162	1.2045	0.0657	3.80E-05	0.1941	0.0028	2.33E-08
129		0.03	0.000	0.024	0.1140	1.0797	0.0589	3.40E-05	0.1940	0.0027	2.33E-08
130		0.09	0.000	0.023	0.1146	0.9685	0.0528	3.04E-05	0.1938	0.0027	2.33E-08
131		0.09	0.000	0.320	0.1029	0.8797	0.0480	2.76E-05	0.1936	0.0027	2.32E-08
132		0.11	0.000	0.022	0.1049	0.7818	0.0426	2.45E-05	0.1934	0.0027	2.32E-08
133		0.08	0.000	0.022	0.1058	0.7071	0.0385	2.22E-05	0.1932	0.0027	2.32E-08
134		0.40	0.000	0.021	0.1201	0.6427	0.0350	2.01E-05	0.1930	0.0027	2.32E-08
135		0.27	0.000	0.193	0.1222	0.5787	0.0315	1.81E-05	0.1928	0.0027	2.31E-08
136		0.00	0.000	0.339	0.1069	0.5181	0.0282	1.62E-05	0.1927	0.0027	2.31E-08
137		0.00	0.000	0.134	0.1002	0.4839	0.0264	1.51E-05	0.1925	0.0027	2.31E-08
138		0.01	0.000	0.131	0.0940	0.4456	0.0243	1.39E-05	0.1923	0.0027	2.31E-08
139		0.00	0.000	0.055	0.0908	0.4139	0.0226	1.29E-05	0.1921	0.0027	2.31E-08
140		0.00	0.000	0.043	0.0881	0.3839	0.0209	1.20E-05	0.1920	0.0027	2.30E-08

141		0.00	0.000	0.036	0.0858	0.3544	0.0193	1.11E-05	0.1918	0.0027	2.30E-08
142	*	0.26	0.000	0.058	0.0859	0.3274	0.0178	1.02E-05	0.1917	0.0027	2.30E-08
143	*	0.00	0.000	0.082	0.0860	0.3029	0.0165	9.46E-06	0.1915	0.0027	2.30E-08
144	*	0.00	0.000	0.055	0.0862	0.2786	0.0152	8.70E-06	0.1914	0.0027	2.30E-08
145		0.13	0.000	0.040	0.0894	0.2537	0.0138	7.92E-06	0.1912	0.0027	2.29E-08
146	*	0.01	0.000	0.034	0.0878	0.2289	0.0125	7.14E-06	0.1911	0.0027	2.29E-08
147		0.08	0.000	0.029	0.0895	0.2072	0.0113	6.46E-06	0.1910	0.0027	2.29E-08
148	*	0.00	0.000	0.025	0.0881	0.1879	0.0102	5.86E-06	0.1908	0.0027	2.29E-08
149	*	0.00	0.000	0.000	0.0877	0.1720	0.0094	5.36E-06	0.1907	0.0027	2.29E-08
150		0.63	0.000	0.026	0.1125	0.1580	0.0086	4.93E-06	0.1906	0.0027	2.29E-08
151		0.00	0.000	0.168	0.1052	0.1407	0.0077	4.38E-06	0.1905	0.0027	2.29E-08
152		0.00	0.000	0.203	0.0964	0.1226	0.0067	3.82E-06	0.1904	0.0027	2.28E-08
153		0.90	0.000	0.260	0.1227	0.1248	0.0068	3.89E-06	0.1903	0.0027	2.28E-08
154		0.17	0.000	0.140	0.1239	0.1271	0.0069	3.96E-06	0.1902	0.0027	2.28E-08
155		0.00	0.000	0.130	0.1182	0.1228	0.0067	3.83E-06	0.1901	0.0027	2.28E-08
156		0.00	0.000	0.340	0.1038	0.1191	0.0065	3.71E-06	0.1900	0.0027	2.28E-08
157		0.00	0.000	0.231	0.0939	0.1127	0.0061	3.51E-06	0.1899	0.0027	2.28E-08
158		0.00	0.000	0.134	0.0881	0.1109	0.0060	3.46E-06	0.1898	0.0027	2.28E-08
159		0.00	0.000	0.058	0.0854	0.1044	0.0057	3.25E-06	0.1897	0.0027	2.28E-08
160		0.00	0.000	0.046	0.0833	0.0958	0.0052	2.98E-06	0.1897	0.0027	2.28E-08
161		0.01	0.000	0.043	0.0819	0.0877	0.0048	2.73E-06	0.1896	0.0027	2.27E-08
162		0.00	0.000	0.036	0.0802	0.0783	0.0043	2.44E-06	0.1895	0.0027	2.27E-08
163		0.00	0.000	0.032	0.0787	0.0690	0.0038	2.15E-06	0.1895	0.0027	2.27E-08
164		0.00	0.000	0.034	0.0771	0.0642	0.0035	2.00E-06	0.1894	0.0027	2.27E-08
165		0.24	0.000	0.030	0.0857	0.0588	0.0032	1.83E-06	0.1894	0.0027	2.27E-08
166		0.00	0.000	0.030	0.0843	0.0505	0.0028	1.57E-06	0.1893	0.0027	2.27E-08
167		0.00	0.000	0.027	0.0831	0.0445	0.0024	1.38E-06	0.1892	0.0027	2.27E-08
168		0.00	0.000	0.025	0.0820	0.0396	0.0022	1.23E-06	0.1892	0.0027	2.27E-08
169		0.03	0.000	0.027	0.0822	0.0354	0.0019	1.10E-06	0.1892	0.0027	2.27E-08
170		0.00	0.000	0.029	0.0809	0.0324	0.0018	1.01E-06	0.1891	0.0027	2.27E-08
171		0.00	0.000	0.026	0.0798	0.0275	0.0015	8.60E-07	0.1891	0.0027	2.27E-08
172		0.00	0.000	0.026	0.0787	0.0233	0.0013	7.32E-07	0.1890	0.0027	2.27E-08
173		0.00	0.000	0.032	0.0773	0.0211	0.0011	6.61E-07	0.1890	0.0027	2.27E-08
174		0.00	0.000	0.035	0.0758	0.0170	0.0009	5.37E-07	0.1890	0.0027	2.27E-08
175		0.00	0.000	0.034	0.0743	0.0131	0.0007	4.16E-07	0.1889	0.0027	2.27E-08
176		0.00	0.000	0.037	0.0728	0.0122	0.0007	3.88E-07	0.1889	0.0027	2.27E-08
177		1.19	0.000	0.029	0.1212	0.0161	0.0009	5.10E-07	0.1889	0.0027	2.27E-08

178	0.00	0.000	0.187	0.1134	0.0130	0.0007	4.12E-07	0.1888	0.0027	2.27E-08
179	0.08	0.000	0.281	0.1050	0.0102	0.0006	3.27E-07	0.1888	0.0027	2.27E-08
180	0.18	0.000	0.130	0.1070	0.0093	0.0005	2.99E-07	0.1888	0.0027	2.27E-08
181	0.00	0.000	0.181	0.0995	0.0230	0.0013	7.21E-07	0.1888	0.0027	2.26E-08
182	0.01	0.000	0.260	0.0890	0.0476	0.0026	1.48E-06	0.1888	0.0027	2.26E-08
183	0.04	0.000	0.164	0.0836	0.0512	0.0028	1.60E-06	0.1887	0.0027	2.26E-08
184	0.00	0.000	0.088	0.0798	0.0596	0.0032	1.86E-06	0.1887	0.0027	2.26E-08
185	0.00	0.000	0.080	0.0763	0.0662	0.0036	2.06E-06	0.1887	0.0027	2.26E-08
186	0.00	0.000	0.074	0.0730	0.0693	0.0038	2.16E-06	0.1887	0.0027	2.26E-08
187	0.22	0.000	0.056	0.0796	0.0697	0.0038	2.17E-06	0.1887	0.0027	2.26E-08
188	0.00	0.000	0.064	0.0768	0.0686	0.0037	2.13E-06	0.1887	0.0027	2.26E-08
189	0.00	0.000	0.081	0.0733	0.0648	0.0035	2.02E-06	0.1887	0.0027	2.26E-08
190	0.00	0.000	0.085	0.0697	0.0518	0.0028	1.61E-06	0.1887	0.0027	2.26E-08
191	1.18	0.000	0.057	0.1164	0.0405	0.0022	1.26E-06	0.1887	0.0027	2.26E-08
192	0.15	0.000	0.367	0.1072	0.0327	0.0018	1.02E-06	0.1887	0.0027	2.26E-08
193	0.00	0.000	0.149	0.1009	0.0265	0.0014	8.29E-07	0.1887	0.0027	2.26E-08
194	0.05	0.000	0.138	0.0972	0.0252	0.0014	7.90E-07	0.1887	0.0027	2.26E-08
195	0.05	0.000	0.276	0.0876	0.0334	0.0018	1.04E-06	0.1887	0.0027	2.26E-08
196	0.01	0.000	0.184	0.0802	0.0362	0.0020	1.13E-06	0.1887	0.0027	2.26E-08
197	0.00	0.000	0.125	0.0749	0.0327	0.0018	1.02E-06	0.1887	0.0027	2.26E-08
198	0.02	0.000	0.081	0.0722	0.0309	0.0017	9.66E-07	0.1887	0.0027	2.26E-08
199	0.41	0.000	0.079	0.0861	0.0416	0.0023	1.29E-06	0.1887	0.0027	2.26E-08
200	0.02	0.000	0.142	0.0809	0.0495	0.0027	1.54E-06	0.1887	0.0027	2.26E-08
201	0.24	0.000	0.133	0.0853	0.0561	0.0031	1.75E-06	0.1887	0.0027	2.26E-08
202	0.00	0.000	0.298	0.0728	0.0549	0.0030	1.71E-06	0.1887	0.0027	2.26E-08
203	0.05	0.000	0.127	0.0695	0.0507	0.0028	1.58E-06	0.1887	0.0027	2.26E-08
204	0.07	0.000	0.134	0.0668	0.0553	0.0030	1.72E-06	0.1887	0.0027	2.26E-08
205	0.02	0.000	0.073	0.0647	0.0560	0.0031	1.74E-06	0.1887	0.0027	2.26E-08
206	0.32	0.000	0.074	0.0747	0.0520	0.0028	1.62E-06	0.1887	0.0027	2.26E-08
207	0.13	0.000	0.126	0.0747	0.0515	0.0028	1.60E-06	0.1887	0.0027	2.26E-08
208	0.59	0.000	0.263	0.0882	0.0546	0.0030	1.70E-06	0.1887	0.0027	2.26E-08
209	0.46	0.000	0.113	0.1026	0.0579	0.0032	1.80E-06	0.1887	0.0027	2.26E-08
210	0.00	0.000	0.270	0.0912	0.0592	0.0032	1.84E-06	0.1887	0.0027	2.26E-08
211	0.00	0.000	0.198	0.0828	0.0635	0.0035	1.98E-06	0.1887	0.0027	2.26E-08
212	0.00	0.000	0.155	0.0762	0.0731	0.0040	2.27E-06	0.1887	0.0027	2.26E-08
213	0.00	0.000	0.305	0.0632	0.1046	0.0057	3.26E-06	0.1887	0.0027	2.26E-08
214	0.00	0.000	0.196	0.0548	0.0992	0.0054	3.09E-06	0.1887	0.0027	2.26E-08

215	0.24	0.000	0.116	0.0597	0.0804	0.0044	2.50E-06	0.1887	0.0027	2.26E-08
216	0.02	0.000	0.201	0.0521	0.0722	0.0039	2.25E-06	0.1887	0.0027	2.26E-08
217	0.95	0.000	0.197	0.0833	0.0605	0.0033	1.88E-06	0.1887	0.0027	2.26E-08
218	0.71	0.000	0.277	0.1014	0.0434	0.0024	1.35E-06	0.1887	0.0027	2.26E-08
219	0.00	0.000	0.192	0.0933	0.0347	0.0019	1.08E-06	0.1887	0.0027	2.26E-08
220	0.02	0.000	0.254	0.0834	0.0270	0.0015	8.44E-07	0.1887	0.0027	2.26E-08
221	0.00	0.000	0.265	0.0724	0.0200	0.0011	6.30E-07	0.1887	0.0027	2.26E-08
222	0.00	0.000	0.195	0.0642	0.0073	0.0003	2.02E-07	0.1887	0.0027	2.26E-08
223	0.00	0.000	0.201	0.0558	0.0067	0.0003	1.81E-07	0.1887	0.0027	2.26E-08
224	0.18	0.000	0.226	0.0537	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
225	0.00	0.000	0.168	0.0469	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
226	0.00	0.000	0.155	0.0404	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
227	0.00	0.000	0.112	0.0358	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
228	0.36	0.000	0.113	0.0460	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
229	0.00	0.000	0.072	0.0432	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
230	1.22	0.000	0.152	0.0878	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
231	0.28	0.000	0.082	0.0960	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
232	0.00	0.000	0.120	0.0910	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
233	0.00	0.000	0.166	0.0841	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
234	0.00	0.000	0.187	0.0763	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
235	0.00	0.000	0.093	0.0724	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
236	0.15	0.000	0.244	0.0686	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
237	0.36	0.000	0.229	0.0740	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
238	0.21	0.000	0.178	0.0752	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.26E-08
239	0.25	0.000	0.162	0.0787	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.27E-08
240	0.00	0.000	0.240	0.0687	0.0000	0.0000	0.00E+00	0.1888	0.0027	2.27E-08
241	0.13	0.000	0.099	0.0698	0.0040	0.0002	1.33E-07	0.1888	0.0027	2.27E-08
242	0.00	0.000	0.093	0.0659	0.0186	0.0010	5.85E-07	0.1888	0.0027	2.27E-08
243	0.00	0.000	0.141	0.0599	0.0421	0.0023	1.31E-06	0.1888	0.0027	2.27E-08
244	0.00	0.000	0.119	0.0548	0.0680	0.0037	2.12E-06	0.1888	0.0027	2.27E-08
245	0.07	0.000	0.173	0.0504	0.0923	0.0050	2.87E-06	0.1888	0.0027	2.27E-08
246	0.00	0.000	0.057	0.0479	0.1126	0.0061	3.51E-06	0.1888	0.0027	2.27E-08
247	0.00	0.000	0.098	0.0436	0.1076	0.0059	3.35E-06	0.1888	0.0027	2.27E-08
248	0.00	0.000	0.078	0.0401	0.0955	0.0052	2.97E-06	0.1889	0.0027	2.27E-08
249	0.00	0.000	0.060	0.0374	0.0878	0.0048	2.74E-06	0.1889	0.0027	2.27E-08
250	0.00	0.000	0.019	0.0366	0.0112	0.0006	3.42E-07	0.1889	0.0027	2.27E-08
251	0.00	0.000	0.027	0.0355	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08

252		0.00	0.000	0.022	0.0346	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
253		0.00	0.000	0.015	0.0340	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
254		0.00	0.000	0.008	0.0336	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
255		0.15	0.000	0.033	0.0384	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
256		0.00	0.000	0.019	0.0376	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
257		0.00	0.000	0.014	0.0370	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
258		0.00	0.000	0.015	0.0364	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
259		0.00	0.000	0.013	0.0359	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
260		0.00	0.000	0.011	0.0354	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
261		0.11	0.000	0.030	0.0389	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
262		0.00	0.000	0.014	0.0383	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
263		0.47	0.000	0.034	0.0566	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
264		0.02	0.000	0.076	0.0544	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
265		1.01	0.000	0.100	0.0923	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
266		0.00	0.000	0.066	0.0895	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
267		0.44	0.000	0.091	0.1041	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
268		0.17	0.000	0.103	0.1071	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
269		0.10	0.000	0.126	0.1060	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
270		0.01	0.000	0.112	0.1016	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
271		0.16	0.000	0.063	0.1055	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
272		0.34	0.000	0.080	0.1162	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
273		0.00	0.000	0.123	0.1111	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
274		0.00	0.000	0.130	0.1057	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
275		0.00	0.000	0.136	0.1000	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
276		0.33	0.000	0.145	0.1079	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
277		0.07	0.000	0.205	0.1021	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
278		0.09	0.000	0.061	0.1035	0.0000	0.0000	0.00E+00	0.1889	0.0027	2.27E-08
279		0.00	0.000	0.144	0.0974	0.0134	0.0007	4.22E-07	0.1889	0.0027	2.27E-08
280		0.00	0.000	0.115	0.0925	0.0653	0.0036	2.03E-06	0.1889	0.0027	2.27E-08
281		0.00	0.000	0.063	0.0896	0.1337	0.0073	4.17E-06	0.1889	0.0027	2.27E-08
282	*	0.00	0.000	0.000	0.0893	0.1547	0.0084	4.82E-06	0.1889	0.0027	2.27E-08
283	*	0.00	0.000	0.000	0.0889	0.1506	0.0082	4.69E-06	0.1889	0.0027	2.27E-08
284	*	0.00	0.000	0.000	0.0886	0.1494	0.0081	4.66E-06	0.1889	0.0027	2.27E-08
285	*	0.00	0.000	0.000	0.0882	0.1491	0.0081	4.65E-06	0.1889	0.0027	2.27E-08
286		0.00	0.000	0.045	0.0860	0.1558	0.0085	4.86E-06	0.1889	0.0027	2.27E-08
287	*	0.00	0.000	0.000	0.0857	0.1584	0.0086	4.94E-06	0.1889	0.0027	2.27E-08
288	*	0.01	0.000	0.011	0.0853	0.1461	0.0080	4.56E-06	0.1889	0.0027	2.27E-08

289			0.03	0.000	0.041	0.0846	0.1428	0.0078	4.45E-06	0.1889	0.0027	2.27E-08
290			0.03	0.000	0.046	0.0838	0.1459	0.0080	4.55E-06	0.1889	0.0027	2.27E-08
291			0.17	0.000	0.042	0.0890	0.1382	0.0075	4.31E-06	0.1889	0.0027	2.27E-08
292			0.00	0.000	0.027	0.0876	0.1211	0.0066	3.77E-06	0.1889	0.0027	2.27E-08
293			0.00	0.000	0.025	0.0863	0.1160	0.0063	3.61E-06	0.1889	0.0027	2.27E-08
294			0.00	0.000	0.023	0.0851	0.1096	0.0060	3.42E-06	0.1889	0.0027	2.27E-08
295	*		0.00	0.000	0.000	0.0848	0.1049	0.0057	3.27E-06	0.1889	0.0027	2.27E-08
296	*		0.00	0.000	0.000	0.0846	0.1030	0.0056	3.21E-06	0.1889	0.0027	2.27E-08
297	*		0.00	0.000	0.022	0.0835	0.0997	0.0054	3.11E-06	0.1889	0.0027	2.27E-08
298	*		0.00	0.000	0.021	0.0824	0.0956	0.0052	2.98E-06	0.1889	0.0027	2.27E-08
299	*		0.00	0.000	0.020	0.0813	0.0929	0.0051	2.89E-06	0.1889	0.0027	2.27E-08
300			0.00	0.000	0.019	0.0804	0.0910	0.0050	2.83E-06	0.1889	0.0027	2.27E-08
301	*		0.00	0.000	0.018	0.0794	0.0894	0.0049	2.78E-06	0.1889	0.0027	2.27E-08
302	*		0.03	0.000	0.030	0.0790	0.0886	0.0048	2.76E-06	0.1889	0.0027	2.27E-08
303			0.00	0.000	0.017	0.0781	0.0877	0.0048	2.73E-06	0.1889	0.0027	2.27E-08
304			0.00	0.000	0.020	0.0773	0.0853	0.0046	2.66E-06	0.1889	0.0027	2.27E-08
305			0.00	0.000	0.016	0.0764	0.0830	0.0045	2.59E-06	0.1889	0.0027	2.27E-08
306			0.00	0.000	0.015	0.0756	0.0808	0.0044	2.52E-06	0.1889	0.0027	2.27E-08
307			0.00	0.000	0.015	0.0748	0.0786	0.0043	2.45E-06	0.1889	0.0027	2.27E-08
308	*		0.00	0.000	0.000	0.0747	0.0772	0.0042	2.41E-06	0.1888	0.0027	2.27E-08
309	*		0.00	0.000	0.000	0.0745	0.0767	0.0042	2.39E-06	0.1888	0.0027	2.27E-08
310			0.00	0.000	0.014	0.0737	0.0745	0.0041	2.32E-06	0.1888	0.0027	2.27E-08
311	*		0.00	0.000	0.000	0.0736	0.0718	0.0039	2.24E-06	0.1888	0.0027	2.27E-08
312	*		0.45	0.000	0.013	0.0742	0.0703	0.0038	2.19E-06	0.1888	0.0027	2.27E-08
313	*		0.00	0.000	0.018	0.0749	0.0684	0.0037	2.13E-06	0.1888	0.0027	2.27E-08
314	*		0.00	0.000	0.007	0.0755	0.0662	0.0036	2.06E-06	0.1888	0.0027	2.27E-08
315	*		0.07	0.000	0.003	0.0762	0.0639	0.0035	1.99E-06	0.1888	0.0027	2.26E-08
316	*		0.04	0.000	0.001	0.0769	0.0615	0.0034	1.91E-06	0.1888	0.0027	2.26E-08
317	*		0.00	0.000	0.016	0.0776	0.0591	0.0032	1.84E-06	0.1888	0.0027	2.26E-08
318	*		0.00	0.000	0.023	0.0783	0.0566	0.0031	1.76E-06	0.1888	0.0027	2.26E-08
319			0.00	0.000	0.000	0.0925	0.0543	0.0030	1.69E-06	0.1887	0.0027	2.26E-08
320			0.00	0.000	0.030	0.0912	0.0502	0.0027	1.56E-06	0.1887	0.0027	2.26E-08
321	*		0.00	0.000	0.025	0.0901	0.0445	0.0024	1.38E-06	0.1887	0.0027	2.26E-08
322	*	*	0.00	0.000	0.000	0.0900	0.0396	0.0022	1.23E-06	0.1887	0.0027	2.26E-08
323	*	*	0.00	0.000	0.000	0.0899	0.0341	0.0019	1.06E-06	0.1887	0.0027	2.26E-08
324	*	*	0.00	0.000	0.000	0.0898	0.0293	0.0016	9.17E-07	0.1887	0.0027	2.26E-08
325	*	*	0.00	0.000	0.000	0.0898	0.0253	0.0014	7.91E-07	0.1887	0.0027	2.26E-08

326	*	*	0.00	0.000	0.003	0.0897	0.0218	0.0012	6.83E-07	0.1887	0.0027	2.26E-08
327	*	*	0.00	0.000	0.000	0.0897	0.0187	0.0010	5.91E-07	0.1887	0.0027	2.26E-08
328	*	*	0.00	0.000	0.000	0.0896	0.0161	0.0009	5.10E-07	0.1886	0.0027	2.26E-08
329	*	*	0.00	0.000	0.000	0.0896	0.0139	0.0008	4.41E-07	0.1886	0.0027	2.26E-08
330		*	0.00	0.000	0.000	0.0896	0.0120	0.0007	3.82E-07	0.1886	0.0027	2.26E-08
331		*	0.00	0.000	0.000	0.0896	0.0103	0.0006	3.31E-07	0.1886	0.0027	2.26E-08
332		*	0.00	0.000	0.000	0.0895	0.0089	0.0005	2.87E-07	0.1886	0.0027	2.26E-08
333	*	*	0.00	0.000	0.000	0.0895	0.0077	0.0004	2.49E-07	0.1886	0.0027	2.26E-08
334	*	*	0.00	0.000	0.000	0.0895	0.0066	0.0004	2.16E-07	0.1886	0.0027	2.26E-08
335	*	*	0.00	0.000	0.000	0.0895	0.0057	0.0003	1.88E-07	0.1886	0.0027	2.26E-08
336	*	*	0.32	0.000	0.002	0.0895	0.0049	0.0003	1.64E-07	0.1885	0.0027	2.26E-08
337	*	*	0.41	0.000	0.001	0.0895	0.0042	0.0002	1.43E-07	0.1885	0.0027	2.26E-08
338	*	*	0.00	0.000	0.002	0.0895	0.0036	0.0002	1.25E-07	0.1885	0.0027	2.26E-08
339	*	*	0.00	0.000	0.000	0.0894	0.0031	0.0002	1.10E-07	0.1885	0.0027	2.26E-08
340	*	*	0.00	0.000	0.023	0.0894	0.0027	0.0001	9.64E-08	0.1885	0.0027	2.26E-08
341		*	0.00	0.026	0.000	0.1053	0.0023	0.0001	8.47E-08	0.1885	0.0027	2.26E-08
342		*	0.00	0.009	0.012	0.1165	0.0020	0.0001	7.49E-08	0.1885	0.0027	2.26E-08
343		*	0.16	0.000	0.007	0.1227	0.0017	0.0001	6.64E-08	0.1885	0.0027	2.26E-08
344		*	0.00	0.000	0.000	0.1227	0.0015	0.0001	5.91E-08	0.1885	0.0027	2.26E-08
345		*	0.00	0.000	0.000	0.1227	0.0013	0.0001	5.28E-08	0.1884	0.0027	2.26E-08
346		*	0.00	0.000	0.000	0.1227	0.0011	0.0001	4.73E-08	0.1884	0.0027	2.26E-08
347		*	0.00	0.000	0.000	0.1227	0.0009	0.0001	4.27E-08	0.1884	0.0027	2.26E-08
348		*	0.00	0.000	0.000	0.1227	0.0008	0.0000	3.86E-08	0.1884	0.0027	2.26E-08
349		*	0.00	0.000	0.000	0.1227	0.0007	0.0000	3.52E-08	0.1884	0.0027	2.26E-08
350	*	*	0.00	0.000	0.000	0.1227	0.0006	0.0000	3.22E-08	0.1884	0.0027	2.26E-08
351		*	0.00	0.000	0.000	0.1227	0.0005	0.0000	2.96E-08	0.1884	0.0027	2.26E-08
352		*	0.00	0.000	0.000	0.1227	0.0004	0.0000	2.74E-08	0.1884	0.0027	2.26E-08
353		*	0.00	0.000	0.000	0.1227	0.0004	0.0000	2.55E-08	0.1884	0.0027	2.26E-08
354		*	0.00	0.000	0.000	0.1227	0.0003	0.0000	2.38E-08	0.1884	0.0027	2.26E-08
355		*	0.00	0.000	0.000	0.1227	0.0003	0.0000	2.24E-08	0.1883	0.0027	2.26E-08
356		*	0.00	0.000	0.000	0.1227	0.0002	0.0000	2.12E-08	0.1883	0.0027	2.26E-08
357			0.00	0.000	0.045	0.1208	0.0050	0.0003	1.67E-07	0.1883	0.0027	2.26E-08
358			0.00	0.000	0.036	0.1192	0.0209	0.0011	6.59E-07	0.1883	0.0027	2.26E-08
359	*		0.00	0.000	0.026	0.1181	0.0495	0.0027	1.54E-06	0.1883	0.0027	2.26E-08
360	*		0.00	0.000	0.000	0.1180	0.0426	0.0023	1.33E-06	0.1883	0.0027	2.26E-08
361	*		0.00	0.000	0.000	0.1179	0.0367	0.0020	1.14E-06	0.1883	0.0027	2.26E-08
362	*		0.00	0.000	0.023	0.1169	0.0316	0.0017	9.87E-07	0.1883	0.0027	2.26E-08

363		0.00	0.000	0.042	0.1150	0.0272	0.0015	8.52E-07	0.1883	0.0027	2.26E-08
364	*	0.00	0.000	0.000	0.1150	0.0235	0.0013	7.36E-07	0.1883	0.0027	2.26E-08
365	*	0.00	0.000	0.022	0.1140	0.0202	0.0011	6.35E-07	0.1883	0.0027	2.26E-08

* = Frozen (air or soil)

Annual Totals for Year 28			
	inches	cubic feet	percent
Precipitation	27.89	851,386.8	100.00
Runoff	2.339	71,398.9	8.39
Evapotranspiration	21.767	664,497.9	78.05
Drainage Collected from Layer 2	5.4901	167,602.6	19.69
Percolation/Leakage through Layer 3	0.003272	99.9	0.01
Average Head on Top of Layer 3	0.2752	---	---
Drainage Collected from Layer 5	0.9870	30,130.1	3.54
Percolation/Leakage through Layer 7	0.000008	0.2552	0.00
Average Head on Top of Layer 6	0.1903	---	---
Change in Water Storage	-2.6940	-82,243.1	-9.66
Soil Water at Start of Year	287.9874	8,791,766.5	1032.64
Soil Water at End of Year	285.6117	8,719,240.2	1024.12
Snow Water at Start of Year	0.3183	9,716.7	1.14
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 29

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*		0.04	0.000	0.010	0.1147	0.0299	0.0016	9.33E-07	0.1882	0.0027	2.26E-08
2	*		0.00	0.000	0.010	0.1147	0.0558	0.0030	1.74E-06	0.1882	0.0027	2.26E-08
3	*		0.00	0.000	0.000	0.1145	0.0834	0.0045	2.60E-06	0.1882	0.0027	2.26E-08
4	*		0.00	0.000	0.000	0.1143	0.1090	0.0059	3.40E-06	0.1882	0.0027	2.26E-08
5	*		0.00	0.000	0.000	0.1140	0.1316	0.0072	4.10E-06	0.1882	0.0027	2.26E-08
6	*		0.00	0.000	0.002	0.1136	0.1508	0.0082	4.70E-06	0.1882	0.0027	2.26E-08
7	*		0.00	0.000	0.000	0.1132	0.1668	0.0091	5.20E-06	0.1882	0.0027	2.26E-08
8	*		0.00	0.000	0.000	0.1128	0.1796	0.0098	5.60E-06	0.1882	0.0027	2.26E-08
9	*	*	0.00	0.000	0.000	0.1124	0.1762	0.0096	5.49E-06	0.1882	0.0027	2.26E-08
10	*	*	0.00	0.000	0.000	0.1121	0.1517	0.0083	4.73E-06	0.1882	0.0027	2.26E-08
11	*	*	0.00	0.000	0.000	0.1118	0.1307	0.0071	4.07E-06	0.1882	0.0027	2.26E-08
12	*	*	0.00	0.000	0.000	0.1115	0.1126	0.0061	3.51E-06	0.1882	0.0027	2.26E-08
13	*	*	0.00	0.000	0.000	0.1113	0.0969	0.0053	3.02E-06	0.1882	0.0027	2.26E-08
14		*	0.02	0.000	0.005	0.1119	0.0835	0.0046	2.60E-06	0.1882	0.0027	2.26E-08
15	*	*	0.03	0.000	0.013	0.1117	0.0719	0.0039	2.24E-06	0.1882	0.0027	2.26E-08
16	*	*	0.00	0.000	0.010	0.1116	0.0619	0.0034	1.93E-06	0.1882	0.0027	2.26E-08
17	*	*	0.00	0.000	0.003	0.1115	0.0533	0.0029	1.66E-06	0.1881	0.0027	2.26E-08
18	*	*	0.00	0.000	0.002	0.1114	0.0459	0.0025	1.43E-06	0.1881	0.0027	2.26E-08
19	*	*	0.00	0.000	0.001	0.1113	0.0396	0.0022	1.23E-06	0.1881	0.0027	2.26E-08
20	*	*	0.00	0.000	0.002	0.1112	0.0341	0.0019	1.06E-06	0.1881	0.0027	2.26E-08
21	*	*	0.00	0.000	0.000	0.1111	0.0293	0.0016	9.17E-07	0.1881	0.0027	2.26E-08
22	*	*	0.06	0.000	0.006	0.1111	0.0253	0.0014	7.91E-07	0.1881	0.0027	2.26E-08
23	*	*	0.00	0.000	0.017	0.1110	0.0218	0.0012	6.83E-07	0.1881	0.0027	2.26E-08
24		*	0.00	0.000	0.035	0.1111	0.0187	0.0010	5.90E-07	0.1880	0.0027	2.26E-08
25	*	*	0.00	0.000	0.000	0.1110	0.0161	0.0009	5.10E-07	0.1880	0.0027	2.26E-08
26	*	*	0.00	0.000	0.000	0.1110	0.0139	0.0008	4.41E-07	0.1880	0.0027	2.26E-08
27	*	*	0.00	0.000	0.000	0.1110	0.0120	0.0007	3.82E-07	0.1880	0.0027	2.26E-08
28	*	*	0.11	0.000	0.002	0.1109	0.0103	0.0006	3.31E-07	0.1880	0.0027	2.26E-08
29	*	*	0.03	0.000	0.008	0.1109	0.0089	0.0005	2.87E-07	0.1880	0.0027	2.26E-08

30	*	*	0.01	0.000	0.000	0.1109	0.0077	0.0004	2.49E-07	0.1880	0.0027	2.25E-08
31	*	*	0.00	0.000	0.029	0.1109	0.0066	0.0004	2.16E-07	0.1879	0.0027	2.25E-08
32	*	*	0.00	0.000	0.025	0.1109	0.0057	0.0003	1.88E-07	0.1879	0.0027	2.25E-08
33	*	*	0.44	0.000	0.023	0.1109	0.0049	0.0003	1.64E-07	0.1879	0.0027	2.25E-08
34		*	0.01	0.000	0.000	0.1137	0.0042	0.0002	1.43E-07	0.1879	0.0027	2.25E-08
35		*	0.00	0.036	0.000	0.1303	0.0036	0.0002	1.25E-07	0.1879	0.0027	2.25E-08
36	*	*	0.00	0.000	0.000	0.1303	0.0031	0.0002	1.10E-07	0.1879	0.0027	2.25E-08
37	*	*	0.00	0.000	0.000	0.1303	0.0027	0.0001	9.64E-08	0.1879	0.0027	2.25E-08
38	*	*	0.00	0.000	0.000	0.1303	0.0023	0.0001	8.47E-08	0.1878	0.0027	2.25E-08
39		*	0.00	0.000	0.000	0.1303	0.0020	0.0001	7.49E-08	0.1878	0.0027	2.25E-08
40		*	0.00	0.000	0.000	0.1303	0.0017	0.0001	6.64E-08	0.1878	0.0027	2.25E-08
41	*	*	0.00	0.000	0.000	0.1302	0.0015	0.0001	5.91E-08	0.1878	0.0027	2.25E-08
42	*	*	0.01	0.000	0.007	0.1302	0.0013	0.0001	5.28E-08	0.1878	0.0027	2.25E-08
43	*	*	0.00	0.000	0.000	0.1302	0.0011	0.0001	4.73E-08	0.1878	0.0027	2.25E-08
44	*	*	0.00	0.000	0.000	0.1302	0.0009	0.0001	4.27E-08	0.1878	0.0027	2.25E-08
45	*	*	0.02	0.000	0.016	0.1302	0.0008	0.0000	3.86E-08	0.1877	0.0027	2.25E-08
46	*	*	0.00	0.000	0.004	0.1302	0.0007	0.0000	3.52E-08	0.1877	0.0027	2.25E-08
47	*	*	0.00	0.000	0.000	0.1302	0.0006	0.0000	3.22E-08	0.1877	0.0027	2.25E-08
48	*	*	0.13	0.000	0.016	0.1302	0.0005	0.0000	2.96E-08	0.1877	0.0027	2.25E-08
49	*	*	0.00	0.000	0.010	0.1302	0.0004	0.0000	2.74E-08	0.1877	0.0027	2.25E-08
50	*	*	0.00	0.000	0.030	0.1302	0.0004	0.0000	2.55E-08	0.1877	0.0027	2.25E-08
51		*	0.00	0.000	0.071	0.1302	0.0003	0.0000	2.38E-08	0.1877	0.0027	2.25E-08
52	*	*	0.00	0.000	0.000	0.1302	0.0003	0.0000	2.24E-08	0.1876	0.0027	2.25E-08
53		*	0.00	0.000	0.000	0.1302	0.0002	0.0000	2.12E-08	0.1876	0.0027	2.25E-08
54		*	0.14	0.000	0.004	0.1360	0.0002	0.0000	2.01E-08	0.1876	0.0027	2.25E-08
55	*	*	0.00	0.000	0.000	0.1360	0.0002	0.0000	1.92E-08	0.1876	0.0027	2.25E-08
56	*	*	0.00	0.000	0.000	0.1360	0.0002	0.0000	1.84E-08	0.1876	0.0027	2.25E-08
57	*	*	0.00	0.000	0.000	0.1360	0.0001	0.0000	1.78E-08	0.1876	0.0027	2.25E-08
58	*	*	0.04	0.000	0.029	0.1360	0.0001	0.0000	1.72E-08	0.1876	0.0027	2.25E-08
59	*	*	0.00	0.000	0.011	0.1360	0.0001	0.0000	1.67E-08	0.1876	0.0027	2.25E-08
60	*	*	0.00	0.000	0.000	0.1360	0.0001	0.0000	1.63E-08	0.1875	0.0027	2.25E-08
61	*	*	0.00	0.000	0.000	0.1360	0.0001	0.0000	1.59E-08	0.1875	0.0027	2.25E-08
62	*	*	0.00	0.000	0.000	0.1360	0.0001	0.0000	1.56E-08	0.1875	0.0027	2.25E-08
63	*	*	0.00	0.000	0.000	0.1360	0.0001	0.0000	1.53E-08	0.1875	0.0027	2.25E-08
64	*	*	0.00	0.000	0.000	0.1360	0.0000	0.0000	1.51E-08	0.1875	0.0027	2.25E-08
65	*	*	0.00	0.000	0.000	0.1360	0.0000	0.0000	1.49E-08	0.1875	0.0027	2.25E-08
66	*	*	0.00	0.000	0.000	0.1360	0.0000	0.0000	1.47E-08	0.1875	0.0027	2.25E-08

67		*	0.00	0.000	0.000	0.1360	0.0000	0.0000	1.45E-08	0.1875	0.0027	2.25E-08
68		*	0.00	0.000	0.000	0.1360	0.0000	0.0000	1.44E-08	0.1875	0.0027	2.25E-08
69		*	0.11	0.000	0.004	0.1403	0.0000	0.0000	1.43E-08	0.1874	0.0027	2.25E-08
70	*	*	0.00	0.000	0.004	0.1403	0.0000	0.0000	1.42E-08	0.1874	0.0027	2.25E-08
71	*	*	0.00	0.000	0.000	0.1403	0.0000	0.0000	1.41E-08	0.1874	0.0027	2.25E-08
72	*	*	0.12	0.000	0.034	0.1403	0.0000	0.0000	1.40E-08	0.1874	0.0027	2.25E-08
73		*	0.00	0.000	0.069	0.1410	0.0000	0.0000	1.40E-08	0.1874	0.0027	2.25E-08
74	*	*	0.00	0.000	0.000	0.1410	0.0000	0.0000	1.39E-08	0.1874	0.0027	2.25E-08
75	*	*	0.00	0.000	0.000	0.1410	0.0000	0.0000	1.39E-08	0.1874	0.0027	2.25E-08
76	*	*	0.00	0.000	0.000	0.1410	0.0000	0.0000	1.38E-08	0.1874	0.0027	2.25E-08
77		*	0.42	0.059	0.003	0.1558	0.0000	0.0000	1.38E-08	0.1873	0.0027	2.25E-08
78	*	*	0.00	0.000	0.000	0.1558	0.0000	0.0000	1.38E-08	0.1873	0.0027	2.25E-08
79	*	*	0.00	0.000	0.000	0.1558	0.0000	0.0000	1.38E-08	0.1873	0.0027	2.25E-08
80		*	0.01	0.000	0.003	0.1562	0.0000	0.0000	1.37E-08	0.1873	0.0027	2.25E-08
81		*	0.21	0.007	0.003	0.1646	0.0000	0.0000	1.37E-08	0.1873	0.0027	2.25E-08
82		*	0.00	0.000	0.000	0.1646	0.0000	0.0000	1.37E-08	0.1873	0.0027	2.25E-08
83		*	0.00	0.000	0.002	0.1646	0.0000	0.0000	1.37E-08	0.1873	0.0027	2.25E-08
84		*	0.00	0.000	0.000	0.1646	0.0000	0.0000	1.37E-08	0.1873	0.0027	2.25E-08
85		*	0.09	0.000	0.003	0.1681	0.0000	0.0000	1.37E-08	0.1873	0.0027	2.25E-08
86		*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.37E-08	0.1872	0.0027	2.25E-08
87	*	*	0.02	0.000	0.024	0.1681	0.0000	0.0000	1.36E-08	0.1872	0.0027	2.25E-08
88		*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1872	0.0027	2.25E-08
89		*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1872	0.0027	2.25E-08
90	*	*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1872	0.0027	2.25E-08
91	*	*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1872	0.0027	2.25E-08
92	*	*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1872	0.0027	2.25E-08
93		*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1872	0.0027	2.25E-08
94		*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1871	0.0027	2.25E-08
95		*	0.00	0.000	0.000	0.1681	0.0000	0.0000	1.36E-08	0.1871	0.0027	2.25E-08
96	*	*	0.29	0.000	0.022	0.1681	0.0000	0.0000	1.36E-08	0.1871	0.0027	2.24E-08
97		*	0.22	0.142	0.016	0.1821	0.0000	0.0000	1.36E-08	0.1871	0.0027	2.24E-08
98	*	*	0.04	0.000	0.041	0.1821	0.0000	0.0000	1.36E-08	0.1871	0.0027	2.24E-08
99	*	*	0.52	0.000	0.014	0.1821	0.0000	0.0000	7.23E-09	0.1871	0.0027	2.24E-08
100		*	0.27	0.378	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1871	0.0027	2.24E-08
101		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1871	0.0027	2.24E-08
102	*	*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1871	0.0027	2.24E-08
103		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08

104		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08
105	*	*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08
106		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08
107		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08
108		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08
109		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08
110		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1870	0.0026	2.24E-08
111		*	0.00	0.000	0.000	0.1988	0.0000	0.0000	0.00E+00	0.1869	0.0026	2.24E-08
112			0.00	0.000	0.179	0.1882	1.3689	0.0746	4.38E-05	0.1870	0.0026	2.24E-08
113			0.00	0.000	0.188	0.1719	3.7305	0.2034	1.20E-04	0.1871	0.0027	2.25E-08
114			0.03	0.000	0.219	0.1561	3.4768	0.1895	1.12E-04	0.1874	0.0027	2.25E-08
115			0.42	0.000	0.133	0.1608	3.1457	0.1715	1.01E-04	0.1877	0.0027	2.25E-08
116			0.27	0.000	0.160	0.1590	2.8017	0.1527	8.95E-05	0.1878	0.0027	2.25E-08
117			0.00	0.000	0.119	0.1483	2.5086	0.1367	8.00E-05	0.1880	0.0027	2.26E-08
118			0.00	0.000	0.166	0.1363	2.2640	0.1234	7.20E-05	0.1881	0.0027	2.26E-08
119			0.00	0.000	0.265	0.1206	2.0383	0.1111	6.47E-05	0.1882	0.0027	2.26E-08
120			0.00	0.000	0.130	0.1111	1.8162	0.0990	5.75E-05	0.1882	0.0027	2.26E-08
121			0.00	0.000	0.054	0.1052	1.6070	0.0876	5.08E-05	0.1883	0.0027	2.26E-08
122			0.00	0.000	0.041	0.1002	1.4443	0.0787	4.56E-05	0.1883	0.0027	2.26E-08
123			0.01	0.000	0.037	0.0960	1.3016	0.0710	4.11E-05	0.1883	0.0027	2.26E-08
124			0.00	0.000	0.030	0.0921	1.1702	0.0638	3.69E-05	0.1882	0.0027	2.26E-08
125			0.00	0.000	0.028	0.0885	1.0495	0.0572	3.30E-05	0.1882	0.0027	2.26E-08
126	*		0.00	0.000	0.000	0.0864	0.9403	0.0513	2.96E-05	0.1881	0.0027	2.26E-08
127			0.10	0.000	0.028	0.0876	0.8407	0.0458	2.64E-05	0.1881	0.0027	2.26E-08
128			0.20	0.000	0.026	0.0931	0.7496	0.0409	2.35E-05	0.1880	0.0027	2.26E-08
129			0.00	0.000	0.023	0.0907	0.6688	0.0365	2.10E-05	0.1879	0.0027	2.25E-08
130			0.01	0.000	0.024	0.0886	0.5982	0.0326	1.87E-05	0.1879	0.0027	2.25E-08
131			0.17	0.000	0.023	0.0934	0.5342	0.0291	1.67E-05	0.1878	0.0027	2.25E-08
132			0.07	0.000	0.022	0.0944	0.4773	0.0260	1.49E-05	0.1877	0.0027	2.25E-08
133			0.00	0.000	0.019	0.0926	0.4270	0.0233	1.34E-05	0.1876	0.0027	2.25E-08
134			0.00	0.000	0.018	0.0910	0.3826	0.0209	1.20E-05	0.1875	0.0027	2.25E-08
135			0.00	0.000	0.017	0.0895	0.3434	0.0187	1.07E-05	0.1875	0.0027	2.25E-08
136			0.03	0.000	0.020	0.0891	0.3087	0.0168	9.64E-06	0.1874	0.0027	2.25E-08
137			0.03	0.000	0.019	0.0891	0.2780	0.0152	8.68E-06	0.1873	0.0027	2.25E-08
138			0.07	0.000	0.019	0.0905	0.2508	0.0137	7.83E-06	0.1872	0.0027	2.25E-08
139			0.00	0.000	0.018	0.0893	0.2267	0.0124	7.07E-06	0.1871	0.0027	2.24E-08
140			0.23	0.000	0.018	0.0976	0.2055	0.0112	6.41E-06	0.1870	0.0026	2.24E-08

141	0.04	0.000	0.253	0.0885	0.1830	0.0100	5.71E-06	0.1869	0.0026	2.24E-08
142	0.00	0.000	0.015	0.0875	0.1635	0.0089	5.10E-06	0.1869	0.0026	2.24E-08
143	0.00	0.000	0.015	0.0865	0.1551	0.0085	4.83E-06	0.1868	0.0026	2.24E-08
144	0.01	0.000	0.016	0.0860	0.1461	0.0080	4.55E-06	0.1867	0.0026	2.24E-08
145	0.00	0.000	0.014	0.0851	0.1378	0.0075	4.29E-06	0.1866	0.0026	2.24E-08
146	0.17	0.000	0.017	0.0910	0.1292	0.0070	4.03E-06	0.1866	0.0026	2.24E-08
147	0.01	0.000	0.176	0.0839	0.1170	0.0064	3.65E-06	0.1865	0.0026	2.24E-08
148	0.00	0.000	0.014	0.0831	0.1052	0.0057	3.28E-06	0.1864	0.0026	2.24E-08
149	0.00	0.000	0.014	0.0823	0.1018	0.0055	3.17E-06	0.1864	0.0026	2.24E-08
150	0.00	0.000	0.014	0.0815	0.0978	0.0053	3.05E-06	0.1863	0.0026	2.24E-08
151	0.00	0.000	0.013	0.0807	0.0935	0.0051	2.91E-06	0.1862	0.0026	2.23E-08
152	0.00	0.000	0.013	0.0800	0.0890	0.0049	2.77E-06	0.1862	0.0026	2.23E-08
153	0.00	0.000	0.013	0.0792	0.0846	0.0046	2.64E-06	0.1861	0.0026	2.23E-08
154	0.00	0.000	0.013	0.0785	0.0803	0.0044	2.50E-06	0.1861	0.0026	2.23E-08
155	0.00	0.000	0.013	0.0778	0.0761	0.0041	2.37E-06	0.1860	0.0026	2.23E-08
156	0.00	0.000	0.014	0.0770	0.0719	0.0039	2.24E-06	0.1860	0.0026	2.23E-08
157	0.08	0.000	0.018	0.0794	0.0677	0.0037	2.11E-06	0.1859	0.0026	2.23E-08
158	0.19	0.000	0.016	0.0866	0.0638	0.0035	1.99E-06	0.1859	0.0026	2.23E-08
159	0.00	0.000	0.244	0.0763	0.0654	0.0036	2.04E-06	0.1858	0.0026	2.23E-08
160	0.32	0.000	0.019	0.0886	0.0694	0.0038	2.16E-06	0.1858	0.0026	2.23E-08
161	0.00	0.000	0.300	0.0759	0.0706	0.0038	2.20E-06	0.1857	0.0026	2.23E-08
162	0.00	0.000	0.018	0.0750	0.0735	0.0040	2.29E-06	0.1857	0.0026	2.23E-08
163	0.28	0.000	0.022	0.0858	0.0674	0.0037	2.10E-06	0.1857	0.0026	2.23E-08
164	0.30	0.000	0.309	0.0854	0.0648	0.0035	2.02E-06	0.1856	0.0026	2.23E-08
165	0.16	0.000	0.294	0.0795	0.0703	0.0038	2.19E-06	0.1856	0.0026	2.23E-08
166	0.00	0.000	0.135	0.0737	0.0714	0.0039	2.22E-06	0.1856	0.0026	2.23E-08
167	0.00	0.000	0.067	0.0708	0.0872	0.0048	2.72E-06	0.1855	0.0026	2.23E-08
168	0.44	0.000	0.059	0.0866	0.1027	0.0056	3.20E-06	0.1855	0.0026	2.23E-08
169	0.00	0.000	0.290	0.0742	0.1313	0.0072	4.09E-06	0.1855	0.0026	2.22E-08
170	0.00	0.000	0.053	0.0717	0.1296	0.0071	4.04E-06	0.1854	0.0026	2.22E-08
171	0.00	0.000	0.055	0.0691	0.1141	0.0062	3.56E-06	0.1854	0.0026	2.22E-08
172	0.38	0.000	0.044	0.0831	0.0966	0.0053	3.01E-06	0.1854	0.0026	2.22E-08
173	0.26	0.000	0.293	0.0815	0.0870	0.0047	2.71E-06	0.1854	0.0026	2.22E-08
174	0.00	0.000	0.251	0.0709	0.0764	0.0042	2.38E-06	0.1853	0.0026	2.22E-08
175	0.00	0.000	0.139	0.0650	0.0572	0.0031	1.78E-06	0.1853	0.0026	2.22E-08
176	0.00	0.000	0.090	0.0612	0.0334	0.0018	1.04E-06	0.1853	0.0026	2.22E-08
177	0.00	0.000	0.065	0.0584	0.0184	0.0010	5.80E-07	0.1853	0.0026	2.22E-08

178	0.01	0.000	0.061	0.0564	0.0040	0.0002	1.14E-07	0.1852	0.0026	2.22E-08
179	0.46	0.000	0.077	0.0722	0.0000	0.0000	0.00E+00	0.1852	0.0026	2.22E-08
180	0.00	0.000	0.296	0.0598	0.0063	0.0003	1.98E-07	0.1852	0.0026	2.22E-08
181	0.35	0.000	0.075	0.0712	0.0452	0.0025	1.41E-06	0.1852	0.0026	2.22E-08
182	0.00	0.000	0.283	0.0594	0.0432	0.0024	1.35E-06	0.1852	0.0026	2.22E-08
183	0.00	0.000	0.080	0.0560	0.0270	0.0015	8.46E-07	0.1851	0.0026	2.22E-08
184	0.00	0.000	0.093	0.0521	0.0019	0.0000	0.00E+00	0.1851	0.0026	2.22E-08
185	0.00	0.000	0.098	0.0480	0.0000	0.0000	0.00E+00	0.1851	0.0026	2.22E-08
186	0.00	0.000	0.075	0.0449	0.0000	0.0000	0.00E+00	0.1851	0.0026	2.22E-08
187	0.12	0.000	0.054	0.0476	0.0000	0.0000	0.00E+00	0.1851	0.0026	2.22E-08
188	0.07	0.000	0.073	0.0475	0.0000	0.0000	0.00E+00	0.1850	0.0026	2.22E-08
189	0.19	0.000	0.050	0.0535	0.0000	0.0000	0.00E+00	0.1850	0.0026	2.22E-08
190	0.11	0.000	0.130	0.0528	0.0000	0.0000	0.00E+00	0.1850	0.0026	2.22E-08
191	0.14	0.000	0.240	0.0489	0.0000	0.0000	0.00E+00	0.1850	0.0026	2.22E-08
192	0.00	0.000	0.219	0.0397	0.0000	0.0000	0.00E+00	0.1850	0.0026	2.22E-08
193	0.00	0.000	0.112	0.0351	0.0000	0.0000	0.00E+00	0.1850	0.0026	2.22E-08
194	0.00	0.000	0.041	0.0334	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
195	0.01	0.000	0.031	0.0325	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
196	0.02	0.000	0.014	0.0327	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
197	0.00	0.000	0.003	0.0326	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
198	0.00	0.000	0.003	0.0325	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
199	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
200	0.41	0.000	0.042	0.0477	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
201	0.01	0.000	0.156	0.0416	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
202	0.10	0.000	0.073	0.0428	0.0000	0.0000	0.00E+00	0.1849	0.0026	2.22E-08
203	0.06	0.000	0.184	0.0375	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
204	0.00	0.000	0.037	0.0360	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
205	0.00	0.000	0.039	0.0343	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
206	0.16	0.000	0.024	0.0401	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
207	0.15	0.000	0.054	0.0439	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
208	0.00	0.000	0.157	0.0374	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
209	0.00	0.000	0.072	0.0344	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
210	0.11	0.000	0.047	0.0371	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
211	0.00	0.000	0.054	0.0348	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
212	0.00	0.000	0.033	0.0335	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
213	0.00	0.000	0.012	0.0330	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
214	0.14	0.000	0.026	0.0377	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08

215	0.01	0.000	0.093	0.0344	0.0000	0.0000	0.00E+00	0.1848	0.0026	2.22E-08
216	0.00	0.000	0.038	0.0328	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
217	0.15	0.000	0.017	0.0384	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
218	0.08	0.000	0.069	0.0387	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
219	0.00	0.000	0.090	0.0350	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
220	0.00	0.000	0.050	0.0329	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
221	0.00	0.000	0.009	0.0325	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
222	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
223	0.01	0.000	0.014	0.0325	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
224	0.01	0.000	0.009	0.0325	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
225	0.04	0.000	0.037	0.0325	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
226	0.49	0.000	0.065	0.0501	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
227	0.00	0.000	0.060	0.0478	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
228	0.00	0.000	0.137	0.0421	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
229	0.00	0.000	0.179	0.0346	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
230	0.00	0.000	0.034	0.0331	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
231	0.24	0.000	0.040	0.0416	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
232	0.00	0.000	0.044	0.0397	0.0000	0.0000	0.00E+00	0.1847	0.0026	2.22E-08
233	0.00	0.000	0.115	0.0349	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.22E-08
234	0.00	0.000	0.043	0.0331	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.22E-08
235	0.00	0.000	0.007	0.0329	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
236	0.02	0.000	0.023	0.0326	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
237	0.00	0.000	0.002	0.0325	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
238	0.00	0.000	0.001	0.0325	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
239	0.00	0.000	0.000	0.0325	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
240	0.21	0.000	0.018	0.0404	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
241	0.00	0.000	0.104	0.0361	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
242	0.00	0.000	0.059	0.0337	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
243	0.00	0.000	0.017	0.0330	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
244	0.00	0.000	0.001	0.0329	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
245	0.00	0.000	0.000	0.0329	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
246	0.00	0.000	0.000	0.0329	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
247	0.00	0.000	0.000	0.0329	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
248	0.00	0.000	0.000	0.0329	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
249	0.00	0.000	0.000	0.0329	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
250	0.00	0.000	0.001	0.0328	0.0000	0.0000	0.00E+00	0.1846	0.0026	2.21E-08
251	0.20	0.000	0.019	0.0402	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08

252		0.01	0.000	0.065	0.0378	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
253		0.02	0.000	0.061	0.0362	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
254		0.34	0.000	0.086	0.0470	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
255		0.13	0.000	0.067	0.0494	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
256		0.05	0.000	0.083	0.0480	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
257		0.00	0.000	0.071	0.0452	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
258		0.00	0.000	0.144	0.0392	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
259		0.00	0.000	0.117	0.0343	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
260		0.00	0.000	0.026	0.0333	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
261		0.00	0.000	0.000	0.0333	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
262		0.00	0.000	0.009	0.0329	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
263		0.11	0.000	0.018	0.0368	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
264	*	0.00	0.000	0.007	0.0365	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
265		0.02	0.000	0.034	0.0358	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
266	*	0.21	0.000	0.031	0.0367	0.0000	0.0000	0.00E+00	0.1845	0.0026	2.21E-08
267	*	0.00	0.000	0.036	0.0375	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
268	*	0.00	0.000	0.045	0.0383	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
269	*	0.09	0.000	0.015	0.0391	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
270	*	0.59	0.000	0.007	0.0400	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
271	*	0.01	0.000	0.000	0.0408	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
272	*	0.00	0.000	0.000	0.0416	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
273		0.16	0.000	0.000	0.0744	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
274		0.09	0.000	0.102	0.0740	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
275		0.00	0.000	0.059	0.0715	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
276		0.00	0.000	0.031	0.0702	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
277		0.29	0.000	0.105	0.0779	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
278		0.01	0.000	0.061	0.0756	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
279		0.21	0.000	0.037	0.0827	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
280		0.00	0.000	0.063	0.0801	0.0000	0.0000	0.00E+00	0.1844	0.0026	2.21E-08
281		0.20	0.000	0.146	0.0825	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
282		0.00	0.000	0.102	0.0783	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
283		0.69	0.000	0.081	0.1035	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
284	*	0.00	0.000	0.000	0.1035	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
285	*	0.25	0.000	0.020	0.1043	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
286	*	0.00	0.000	0.039	0.1051	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
287	*	0.00	0.000	0.024	0.1059	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
288	*	0.00	0.000	0.029	0.1067	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08

289	*		0.72	0.000	0.000	0.1076	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
290			0.00	0.000	0.000	0.1291	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
291	*		0.05	0.000	0.014	0.1299	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
292	*		0.01	0.000	0.000	0.1308	0.0000	0.0000	0.00E+00	0.1843	0.0026	2.21E-08
293	*	*	0.29	0.000	0.011	0.1308	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
294	*	*	0.01	0.000	0.005	0.1308	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
295	*	*	0.00	0.000	0.013	0.1308	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
296	*	*	0.00	0.000	0.000	0.1308	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
297	*	*	0.00	0.000	0.006	0.1308	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
298	*	*	0.00	0.000	0.002	0.1308	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
299	*	*	0.00	0.000	0.023	0.1308	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
300		*	0.00	0.066	0.024	0.1470	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
301		*	0.00	0.000	0.000	0.1470	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
302		*	0.00	0.000	0.000	0.1470	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
303		*	0.02	0.000	0.005	0.1475	0.0000	0.0000	0.00E+00	0.1842	0.0026	2.21E-08
304		*	0.10	0.000	0.005	0.1516	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
305		*	0.06	0.000	0.005	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
306		*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
307		*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
308		*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
309		*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
310		*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
311	*	*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
312	*	*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
313		*	0.00	0.000	0.000	0.1539	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
314		*	0.04	0.000	0.004	0.1553	0.0000	0.0000	0.00E+00	0.1841	0.0026	2.21E-08
315		*	0.00	0.000	0.000	0.1553	0.0000	0.0000	0.00E+00	0.1840	0.0026	2.21E-08
316		*	0.00	0.000	0.000	0.1553	0.0000	0.0000	0.00E+00	0.1840	0.0026	2.21E-08
317		*	0.00	0.000	0.000	0.1553	0.0000	0.0000	0.00E+00	0.1840	0.0026	2.21E-08
318			0.00	0.000	0.128	0.1500	0.0000	0.0000	0.00E+00	0.1840	0.0026	2.21E-08
319			0.04	0.000	0.056	0.1486	0.3793	0.0207	1.19E-05	0.1840	0.0026	2.21E-08
320			0.00	0.000	0.079	0.1440	0.6576	0.0358	2.06E-05	0.1840	0.0026	2.21E-08
321			0.00	0.000	0.165	0.1352	0.8320	0.0454	2.61E-05	0.1841	0.0026	2.21E-08
322			0.00	0.000	0.083	0.1296	0.9174	0.0500	2.88E-05	0.1841	0.0026	2.21E-08
323			0.00	0.000	0.059	0.1250	0.9364	0.0510	2.94E-05	0.1842	0.0026	2.21E-08
324			0.00	0.000	0.086	0.1194	0.8911	0.0486	2.80E-05	0.1842	0.0026	2.21E-08
325			0.00	0.000	0.036	0.1160	0.8482	0.0462	2.66E-05	0.1843	0.0026	2.21E-08

326			0.00	0.000	0.039	0.1126	0.7970	0.0434	2.50E-05	0.1843	0.0026	2.21E-08
327			0.00	0.000	0.029	0.1096	0.7490	0.0408	2.35E-05	0.1843	0.0026	2.21E-08
328	*		0.15	0.000	0.025	0.1089	0.7070	0.0385	2.22E-05	0.1844	0.0026	2.21E-08
329			0.00	0.000	0.000	0.1092	0.6620	0.0361	2.08E-05	0.1844	0.0026	2.21E-08
330	*		0.00	0.000	0.023	0.1086	0.6181	0.0337	1.94E-05	0.1844	0.0026	2.21E-08
331			0.01	0.000	0.030	0.1076	0.5795	0.0316	1.82E-05	0.1844	0.0026	2.21E-08
332			0.00	0.000	0.032	0.1050	0.5429	0.0296	1.70E-05	0.1844	0.0026	2.21E-08
333	*		0.00	0.000	0.000	0.1039	0.5149	0.0281	1.61E-05	0.1844	0.0026	2.21E-08
334	*		0.00	0.000	0.000	0.1028	0.4855	0.0265	1.52E-05	0.1844	0.0026	2.21E-08
335	*		0.00	0.000	0.000	0.1017	0.4545	0.0248	1.42E-05	0.1844	0.0026	2.21E-08
336			0.00	0.000	0.029	0.0996	0.4257	0.0232	1.33E-05	0.1843	0.0026	2.21E-08
337	*		0.00	0.000	0.022	0.0977	0.3977	0.0217	1.24E-05	0.1843	0.0026	2.21E-08
338	*		0.00	0.000	0.024	0.0959	0.3693	0.0201	1.15E-05	0.1843	0.0026	2.21E-08
339	*		0.00	0.000	0.000	0.0951	0.3416	0.0186	1.07E-05	0.1843	0.0026	2.21E-08
340	*		0.00	0.000	0.000	0.0944	0.3166	0.0173	9.89E-06	0.1842	0.0026	2.21E-08
341	*		0.00	0.000	0.000	0.0937	0.2966	0.0162	9.26E-06	0.1842	0.0026	2.21E-08
342	*		0.03	0.000	0.006	0.0939	0.2793	0.0152	8.72E-06	0.1842	0.0026	2.21E-08
343	*		0.03	0.000	0.007	0.0941	0.2635	0.0144	8.22E-06	0.1841	0.0026	2.21E-08
344	*		0.02	0.000	0.003	0.0944	0.2487	0.0136	7.76E-06	0.1841	0.0026	2.21E-08
345	*		0.09	0.000	0.000	0.0947	0.2348	0.0128	7.33E-06	0.1841	0.0026	2.21E-08
346			0.00	0.000	0.039	0.0956	0.2216	0.0121	6.91E-06	0.1840	0.0026	2.21E-08
347			0.00	0.000	0.024	0.0941	0.2067	0.0113	6.45E-06	0.1840	0.0026	2.21E-08
348	*		0.00	0.000	0.000	0.0937	0.1944	0.0106	6.06E-06	0.1840	0.0026	2.21E-08
349	*		0.11	0.000	0.007	0.0941	0.1873	0.0102	5.84E-06	0.1839	0.0026	2.21E-08
350	*	*	0.00	0.000	0.003	0.0937	0.1723	0.0094	5.37E-06	0.1839	0.0026	2.21E-08
351	*	*	0.00	0.000	0.002	0.0933	0.1484	0.0081	4.63E-06	0.1839	0.0026	2.21E-08
352	*	*	0.01	0.000	0.002	0.0930	0.1278	0.0070	3.98E-06	0.1838	0.0026	2.21E-08
353	*	*	0.00	0.000	0.001	0.0928	0.1101	0.0060	3.43E-06	0.1838	0.0026	2.20E-08
354	*	*	0.00	0.000	0.003	0.0926	0.0948	0.0052	2.95E-06	0.1838	0.0026	2.20E-08
355	*	*	0.00	0.000	0.002	0.0924	0.0817	0.0045	2.54E-06	0.1837	0.0026	2.20E-08
356	*	*	0.00	0.000	0.012	0.0922	0.0703	0.0038	2.19E-06	0.1837	0.0026	2.20E-08
357		*	0.00	0.000	0.027	0.0936	0.0606	0.0033	1.89E-06	0.1837	0.0026	2.20E-08
358	*	*	0.00	0.000	0.000	0.0934	0.0522	0.0028	1.62E-06	0.1836	0.0026	2.20E-08
359	*	*	0.69	0.000	0.010	0.0933	0.0449	0.0024	1.40E-06	0.1836	0.0026	2.20E-08
360		*	0.00	0.000	0.006	0.1006	0.0387	0.0021	1.20E-06	0.1835	0.0026	2.20E-08
361		*	0.00	0.055	0.000	0.1191	0.0333	0.0018	1.04E-06	0.1835	0.0026	2.20E-08
362	*	*	0.00	0.000	0.000	0.1191	0.0287	0.0016	8.97E-07	0.1835	0.0026	2.20E-08

363		*	0.00	0.000	0.000	0.1190	0.0247	0.0013	7.74E-07	0.1834	0.0026	2.20E-08
364	*	*	0.03	0.000	0.015	0.1190	0.0213	0.0012	6.69E-07	0.1834	0.0026	2.20E-08
365	*	*	0.00	0.000	0.013	0.1189	0.0183	0.0010	5.78E-07	0.1834	0.0026	2.20E-08

* = Frozen (air or soil)

Annual Totals for Year 29			
	inches	cubic feet	percent
Precipitation	17.77	542,506.5	100.00
Runoff	0.743	22,672.1	4.18
Evapotranspiration	13.670	417,316.8	76.92
Drainage Collected from Layer 2	3.2375	98,835.8	18.22
Percolation/Leakage through Layer 3	0.001877	57.3	0.01
Average Head on Top of Layer 3	0.1627	---	---
Drainage Collected from Layer 5	0.9609	29,333.2	5.41
Percolation/Leakage through Layer 7	0.000008	0.2484	0.00
Average Head on Top of Layer 6	0.1858	---	---
Change in Water Storage	-0.8403	-25,651.7	-4.73
Soil Water at Start of Year	285.6117	8,719,240.2	1607.21
Soil Water at End of Year	284.7715	8,693,588.5	1602.49
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0000	0.0000	0.00
Annual Water Budget Balance	0.0000	0.0000	0.00

Daily Output for Year 30

Column key: Head #1: drainage from Layer 3 | Head #2: drainage from Layer 6
Drain #1: drainage from Layer 2 | Drain #2: drainage from Layer 5
Leak #1: leakage thru Layer 3 | Leak #2: leakage thru Layer 7

Title: Cell 4 Base Liner Efficiency
Simulated On: 11/8/2022 15:17

Day	Freezing Status*		Rain	Runoff	ET	Evap. Zone Water	Head #1	Drain #1	Leak #1	Head #2	Drain #2	Leak #2
	Air	Soil	(inches)	(inches)	(inches)	(in/in)	(inches)	(inches)	(inches)	(inches)	(inches)	(inches)
1	*	*	0.00	0.000	0.000	0.1189	0.0158	0.0009	5.00E-07	0.1833	0.0026	2.20E-08
2	*	*	0.01	0.000	0.011	0.1188	0.0136	0.0007	4.32E-07	0.1833	0.0026	2.20E-08
3	*	*	0.21	0.000	0.014	0.1188	0.0117	0.0006	3.74E-07	0.1833	0.0026	2.20E-08
4		*	0.36	0.102	0.000	0.1377	0.0101	0.0005	3.24E-07	0.1833	0.0026	2.20E-08
5		*	0.00	0.000	0.000	0.1377	0.0087	0.0005	2.81E-07	0.1832	0.0026	2.20E-08
6	*	*	0.00	0.000	0.000	0.1377	0.0075	0.0004	2.44E-07	0.1832	0.0026	2.20E-08
7	*	*	0.00	0.000	0.000	0.1377	0.0064	0.0004	2.12E-07	0.1832	0.0026	2.20E-08
8	*	*	0.07	0.000	0.006	0.1377	0.0056	0.0003	1.84E-07	0.1832	0.0026	2.20E-08
9	*	*	0.00	0.000	0.003	0.1377	0.0048	0.0003	1.61E-07	0.1831	0.0026	2.20E-08
10	*	*	0.00	0.000	0.013	0.1377	0.0041	0.0002	1.40E-07	0.1831	0.0026	2.20E-08
11	*	*	0.00	0.000	0.012	0.1377	0.0035	0.0002	1.23E-07	0.1831	0.0026	2.20E-08
12	*	*	0.00	0.000	0.005	0.1376	0.0031	0.0002	1.08E-07	0.1831	0.0026	2.20E-08
13	*	*	0.00	0.000	0.018	0.1376	0.0026	0.0001	9.46E-08	0.1830	0.0026	2.20E-08
14	*	*	0.00	0.000	0.007	0.1376	0.0023	0.0001	8.36E-08	0.1830	0.0026	2.20E-08
15	*	*	0.03	0.000	0.013	0.1376	0.0020	0.0001	7.35E-08	0.1830	0.0026	2.20E-08
16		*	0.00	0.000	0.029	0.1376	0.0017	0.0001	6.53E-08	0.1830	0.0026	2.20E-08
17		*	0.00	0.000	0.000	0.1376	0.0014	0.0001	5.81E-08	0.1830	0.0026	2.19E-08
18		*	0.00	0.000	0.000	0.1376	0.0012	0.0001	5.19E-08	0.1829	0.0026	2.19E-08
19	*	*	0.00	0.000	0.000	0.1376	0.0011	0.0001	4.66E-08	0.1829	0.0026	2.19E-08
20	*	*	0.00	0.000	0.000	0.1376	0.0009	0.0001	4.20E-08	0.1829	0.0026	2.19E-08
21	*	*	0.00	0.000	0.000	0.1376	0.0008	0.0000	3.81E-08	0.1829	0.0026	2.19E-08
22		*	0.09	0.000	0.002	0.1411	0.0007	0.0000	3.47E-08	0.1829	0.0026	2.19E-08
23		*	0.10	0.000	0.002	0.1454	0.0006	0.0000	3.18E-08	0.1829	0.0026	2.19E-08
24	*	*	0.00	0.000	0.000	0.1454	0.0005	0.0000	2.92E-08	0.1828	0.0026	2.19E-08
25	*	*	0.02	0.000	0.019	0.1454	0.0004	0.0000	2.71E-08	0.1828	0.0026	2.19E-08
26	*	*	0.05	0.000	0.017	0.1454	0.0004	0.0000	2.52E-08	0.1828	0.0026	2.19E-08
27	*	*	0.21	0.000	0.011	0.1454	0.0003	0.0000	2.36E-08	0.1828	0.0026	2.19E-08
28	*	*	0.00	0.000	0.013	0.1454	0.0003	0.0000	2.22E-08	0.1828	0.0026	2.19E-08
29		*	0.00	0.007	0.005	0.1540	0.0002	0.0000	2.10E-08	0.1828	0.0026	2.19E-08

30		*	0.00	0.000	0.000	0.1540	0.0002	0.0000	2.00E-08	0.1828	0.0026	2.19E-08
31		*	0.02	0.000	0.002	0.1548	0.0002	0.0000	1.91E-08	0.1827	0.0026	2.19E-08
32		*	0.34	0.053	0.002	0.1668	0.0002	0.0000	1.83E-08	0.1827	0.0026	2.19E-08
33	*	*	0.17	0.000	0.016	0.1668	0.0001	0.0000	1.77E-08	0.1827	0.0026	2.19E-08
34	*	*	0.02	0.000	0.021	0.1668	0.0001	0.0000	1.71E-08	0.1827	0.0026	2.19E-08
35	*	*	0.00	0.000	0.010	0.1668	0.0001	0.0000	1.66E-08	0.1827	0.0026	2.19E-08
36	*	*	0.00	0.000	0.021	0.1668	0.0001	0.0000	1.62E-08	0.1827	0.0026	2.19E-08
37		*	0.00	0.000	0.036	0.1701	0.0001	0.0000	1.58E-08	0.1827	0.0026	2.19E-08
38		*	0.00	0.000	0.000	0.1701	0.0001	0.0000	1.55E-08	0.1827	0.0026	2.19E-08
39	*	*	0.00	0.000	0.000	0.1701	0.0001	0.0000	1.53E-08	0.1826	0.0026	2.19E-08
40	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.50E-08	0.1826	0.0026	2.19E-08
41	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.48E-08	0.1826	0.0026	2.19E-08
42	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.47E-08	0.1826	0.0026	2.19E-08
43	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.45E-08	0.1826	0.0026	2.19E-08
44	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.44E-08	0.1826	0.0026	2.19E-08
45	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.43E-08	0.1826	0.0026	2.19E-08
46	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.42E-08	0.1826	0.0026	2.19E-08
47	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.41E-08	0.1826	0.0026	2.19E-08
48	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.40E-08	0.1825	0.0026	2.19E-08
49	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.40E-08	0.1825	0.0026	2.19E-08
50	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.39E-08	0.1825	0.0026	2.19E-08
51	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.39E-08	0.1825	0.0026	2.19E-08
52	*	*	0.02	0.000	0.020	0.1701	0.0000	0.0000	1.38E-08	0.1825	0.0026	2.19E-08
53	*	*	0.03	0.000	0.034	0.1701	0.0000	0.0000	1.38E-08	0.1825	0.0026	2.19E-08
54	*	*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.38E-08	0.1825	0.0026	2.19E-08
55	*	*	0.00	0.000	0.004	0.1701	0.0000	0.0000	1.38E-08	0.1825	0.0026	2.19E-08
56	*	*	0.02	0.000	0.023	0.1701	0.0000	0.0000	1.37E-08	0.1825	0.0026	2.19E-08
57		*	0.00	0.000	0.000	0.1701	0.0000	0.0000	1.37E-08	0.1825	0.0026	2.19E-08
58		*	0.30	0.045	0.002	0.1805	0.0000	0.0000	1.37E-08	0.1824	0.0026	2.19E-08
59		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.37E-08	0.1824	0.0026	2.19E-08
60	*	*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.37E-08	0.1824	0.0026	2.19E-08
61	*	*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.37E-08	0.1824	0.0026	2.19E-08
62	*	*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.37E-08	0.1824	0.0026	2.19E-08
63	*	*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1824	0.0026	2.19E-08
64		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1824	0.0026	2.19E-08
65		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1824	0.0026	2.19E-08
66		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1824	0.0026	2.19E-08

67		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1824	0.0026	2.19E-08
68		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1824	0.0026	2.19E-08
69		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1823	0.0026	2.19E-08
70		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1823	0.0026	2.19E-08
71		*	0.00	0.000	0.000	0.1805	0.0000	0.0000	1.36E-08	0.1823	0.0026	2.19E-08
72	*	*	0.03	0.000	0.026	0.1805	0.0000	0.0000	1.36E-08	0.1823	0.0026	2.19E-08
73	*	*	0.34	0.000	0.006	0.1805	0.0000	0.0000	1.36E-08	0.1823	0.0026	2.19E-08
74	*	*	0.00	0.000	0.003	0.1805	0.0000	0.0000	1.36E-08	0.1823	0.0026	2.19E-08
75	*	*	0.00	0.000	0.010	0.1805	0.0000	0.0000	5.23E-09	0.1823	0.0026	2.19E-08
76	*	*	0.00	0.000	0.011	0.1805	0.0000	0.0000	0.00E+00	0.1823	0.0026	2.19E-08
77	*	*	0.00	0.000	0.020	0.1805	0.0000	0.0000	0.00E+00	0.1823	0.0026	2.19E-08
78	*	*	0.07	0.000	0.021	0.1805	0.0000	0.0000	0.00E+00	0.1823	0.0026	2.19E-08
79	*	*	0.00	0.000	0.017	0.1805	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
80	*	*	0.00	0.000	0.016	0.1805	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
81		*	0.00	0.062	0.028	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
82		*	0.00	0.000	0.000	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
83		*	0.00	0.000	0.000	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
84		*	0.00	0.000	0.000	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
85		*	0.00	0.000	0.000	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
86		*	0.00	0.000	0.000	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
87		*	0.00	0.000	0.000	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
88		*	0.00	0.000	0.000	0.1898	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
89		*	0.09	0.000	0.002	0.1936	0.0000	0.0000	0.00E+00	0.1822	0.0026	2.19E-08
90		*	0.19	0.020	0.002	0.2007	0.0000	0.0000	0.00E+00	0.1821	0.0026	2.18E-08
91		*	0.54	0.248	0.002	0.2129	0.0000	0.0000	0.00E+00	0.1821	0.0026	2.18E-08
92		*	0.07	0.000	0.002	0.2156	0.0000	0.0000	0.00E+00	0.1821	0.0026	2.18E-08
93		*	0.00	0.000	0.000	0.2156	0.0000	0.0000	0.00E+00	0.1821	0.0026	2.18E-08
94		*	0.00	0.000	0.000	0.2156	0.0000	0.0000	0.00E+00	0.1821	0.0026	2.18E-08
95			0.00	0.000	0.064	0.2074	2.4564	0.1339	8.00E-05	0.1822	0.0026	2.19E-08
96	*		0.00	0.000	0.051	0.1925	5.6147	0.3061	1.84E-04	0.1825	0.0026	2.19E-08
97	*		0.00	0.000	0.000	0.1823	4.4655	0.2434	1.45E-04	0.1829	0.0026	2.19E-08
98			0.52	0.000	0.072	0.1928	3.5963	0.1960	1.16E-04	0.1832	0.0026	2.20E-08
99	*		0.00	0.000	0.000	0.1854	3.2378	0.1765	1.04E-04	0.1834	0.0026	2.20E-08
100	*		0.00	0.000	0.002	0.1788	2.9174	0.1590	9.33E-05	0.1835	0.0026	2.20E-08
101	*		0.01	0.000	0.048	0.1711	2.6294	0.1433	8.39E-05	0.1836	0.0026	2.20E-08
102			0.44	0.000	0.204	0.1757	2.3070	0.1258	7.34E-05	0.1837	0.0026	2.20E-08
103			0.00	0.000	0.087	0.1674	2.0902	0.1139	6.64E-05	0.1838	0.0026	2.20E-08

104		0.00	0.000	0.071	0.1600	1.9460	0.1061	6.17E-05	0.1838	0.0026	2.20E-08
105	*	0.00	0.000	0.000	0.1559	1.8194	0.0992	5.77E-05	0.1838	0.0026	2.21E-08
106		0.00	0.000	0.190	0.1443	1.6176	0.0882	5.12E-05	0.1838	0.0026	2.21E-08
107		0.00	0.000	0.197	0.1328	1.4589	0.0795	4.61E-05	0.1838	0.0026	2.20E-08
108		0.00	0.000	0.214	0.1207	1.3926	0.0759	4.40E-05	0.1837	0.0026	2.20E-08
109		0.00	0.000	0.130	0.1124	1.2881	0.0702	4.06E-05	0.1837	0.0026	2.20E-08
110		0.00	0.000	0.054	0.1075	1.1394	0.0621	3.59E-05	0.1836	0.0026	2.20E-08
111		0.00	0.000	0.041	0.1035	1.0187	0.0555	3.20E-05	0.1836	0.0026	2.20E-08
112		0.00	0.000	0.035	0.0999	0.9413	0.0513	2.96E-05	0.1835	0.0026	2.20E-08
113		0.00	0.000	0.031	0.0966	0.8774	0.0478	2.76E-05	0.1834	0.0026	2.20E-08
114		0.00	0.000	0.028	0.0936	0.8164	0.0445	2.56E-05	0.1833	0.0026	2.20E-08
115		0.00	0.000	0.025	0.0908	0.7640	0.0416	2.40E-05	0.1832	0.0026	2.20E-08
116		0.00	0.000	0.024	0.0882	0.7064	0.0385	2.22E-05	0.1832	0.0026	2.20E-08
117		0.00	0.000	0.022	0.0859	0.6348	0.0346	1.99E-05	0.1831	0.0026	2.20E-08
118		0.00	0.000	0.021	0.0837	0.5600	0.0305	1.75E-05	0.1830	0.0026	2.19E-08
119		0.00	0.000	0.020	0.0817	0.5086	0.0277	1.59E-05	0.1829	0.0026	2.19E-08
120	*	0.00	0.000	0.000	0.0806	0.4894	0.0267	1.53E-05	0.1828	0.0026	2.19E-08
121	*	0.00	0.000	0.000	0.0795	0.4728	0.0258	1.48E-05	0.1827	0.0026	2.19E-08
122	*	0.00	0.000	0.000	0.0785	0.4521	0.0246	1.41E-05	0.1826	0.0026	2.19E-08
123		0.00	0.000	0.019	0.0767	0.4276	0.0233	1.34E-05	0.1825	0.0026	2.19E-08
124		0.44	0.000	0.020	0.0933	0.4017	0.0219	1.26E-05	0.1824	0.0026	2.19E-08
125		0.20	0.000	0.019	0.0999	0.3764	0.0205	1.18E-05	0.1823	0.0026	2.19E-08
126		0.10	0.000	0.018	0.1025	0.3516	0.0192	1.10E-05	0.1822	0.0026	2.19E-08
127		0.04	0.000	0.354	0.0887	0.3184	0.0174	9.95E-06	0.1821	0.0026	2.18E-08
128		0.02	0.000	0.018	0.0881	0.2920	0.0159	9.12E-06	0.1820	0.0026	2.18E-08
129		0.00	0.000	0.016	0.0868	0.2888	0.0157	9.02E-06	0.1820	0.0026	2.18E-08
130		0.00	0.000	0.016	0.0855	0.2774	0.0151	8.66E-06	0.1819	0.0026	2.18E-08
131		0.09	0.000	0.016	0.0878	0.2626	0.0143	8.19E-06	0.1818	0.0026	2.18E-08
132	*	0.02	0.000	0.033	0.0866	0.2458	0.0134	7.67E-06	0.1817	0.0026	2.18E-08
133		0.22	0.000	0.016	0.0946	0.2286	0.0125	7.13E-06	0.1816	0.0026	2.18E-08
134		0.41	0.000	0.015	0.1107	0.2119	0.0116	6.61E-06	0.1816	0.0026	2.18E-08
135		0.05	0.000	0.157	0.1058	0.1913	0.0104	5.96E-06	0.1815	0.0026	2.18E-08
136		0.00	0.000	0.292	0.0933	0.1680	0.0092	5.24E-06	0.1814	0.0026	2.18E-08
137		0.00	0.000	0.131	0.0875	0.1532	0.0084	4.78E-06	0.1813	0.0026	2.18E-08
138		0.00	0.000	0.055	0.0849	0.1420	0.0077	4.43E-06	0.1813	0.0026	2.17E-08
139		0.00	0.000	0.042	0.0828	0.1381	0.0075	4.30E-06	0.1812	0.0026	2.17E-08
140		0.00	0.000	0.036	0.0810	0.1357	0.0074	4.23E-06	0.1812	0.0026	2.17E-08

141		0.65	0.000	0.033	0.1065	0.1349	0.0074	4.20E-06	0.1811	0.0026	2.17E-08
142		0.00	0.000	0.253	0.0957	0.1361	0.0074	4.24E-06	0.1810	0.0026	2.17E-08
143		0.00	0.000	0.275	0.0839	0.1405	0.0077	4.38E-06	0.1810	0.0026	2.17E-08
144		0.00	0.000	0.132	0.0781	0.1392	0.0076	4.34E-06	0.1809	0.0026	2.17E-08
145		0.00	0.000	0.055	0.0755	0.1309	0.0071	4.08E-06	0.1809	0.0026	2.17E-08
146		0.00	0.000	0.043	0.0734	0.1206	0.0066	3.76E-06	0.1808	0.0026	2.17E-08
147		0.00	0.000	0.038	0.0716	0.1107	0.0060	3.45E-06	0.1808	0.0026	2.17E-08
148		0.00	0.000	0.034	0.0700	0.1015	0.0055	3.16E-06	0.1807	0.0026	2.17E-08
149		0.03	0.000	0.033	0.0697	0.0931	0.0051	2.90E-06	0.1807	0.0026	2.17E-08
150		0.01	0.000	0.030	0.0688	0.0854	0.0047	2.66E-06	0.1806	0.0026	2.17E-08
151		0.08	0.000	0.027	0.0708	0.0783	0.0043	2.44E-06	0.1806	0.0026	2.17E-08
152	*	0.00	0.000	0.025	0.0696	0.0719	0.0039	2.24E-06	0.1806	0.0026	2.17E-08
153		0.00	0.000	0.024	0.0686	0.0653	0.0036	2.03E-06	0.1805	0.0026	2.17E-08
154		0.14	0.000	0.026	0.0733	0.0599	0.0033	1.87E-06	0.1805	0.0026	2.16E-08
155		0.10	0.000	0.027	0.0762	0.0555	0.0030	1.73E-06	0.1804	0.0026	2.16E-08
156		0.23	0.000	0.023	0.0848	0.0515	0.0028	1.60E-06	0.1804	0.0026	2.16E-08
157		1.16	0.000	0.026	0.1319	0.0479	0.0026	1.49E-06	0.1804	0.0026	2.16E-08
158		0.00	0.000	0.320	0.1184	0.0500	0.0027	1.56E-06	0.1803	0.0026	2.16E-08
159		0.90	0.000	0.316	0.1427	0.0597	0.0033	1.86E-06	0.1803	0.0026	2.16E-08
160		0.86	0.000	0.126	0.1731	0.0633	0.0035	1.97E-06	0.1803	0.0026	2.16E-08
161		0.10	0.000	0.349	0.1610	0.8227	0.0448	2.59E-05	0.1803	0.0026	2.16E-08
162		0.21	0.000	0.380	0.1503	1.5836	0.0863	5.01E-05	0.1803	0.0026	2.16E-08
163		0.00	0.000	0.295	0.1346	1.5488	0.0844	4.90E-05	0.1804	0.0026	2.16E-08
164		0.00	0.000	0.145	0.1252	1.4773	0.0805	4.67E-05	0.1805	0.0026	2.17E-08
165		0.00	0.000	0.069	0.1190	1.4473	0.0789	4.57E-05	0.1806	0.0026	2.17E-08
166		0.00	0.000	0.051	0.1138	1.3612	0.0742	4.30E-05	0.1806	0.0026	2.17E-08
167		0.00	0.000	0.050	0.1090	1.2320	0.0672	3.88E-05	0.1807	0.0026	2.17E-08
168		0.00	0.000	0.038	0.1049	1.1008	0.0600	3.47E-05	0.1807	0.0026	2.17E-08
169		0.00	0.000	0.036	0.1011	0.9876	0.0538	3.11E-05	0.1807	0.0026	2.17E-08
170		0.01	0.000	0.034	0.0981	0.8912	0.0486	2.80E-05	0.1808	0.0026	2.17E-08
171		0.00	0.000	0.034	0.0949	0.8041	0.0438	2.52E-05	0.1808	0.0026	2.17E-08
172		0.24	0.000	0.038	0.1017	0.7357	0.0401	2.31E-05	0.1807	0.0026	2.17E-08
173		0.00	0.000	0.038	0.0986	0.6696	0.0365	2.10E-05	0.1807	0.0026	2.17E-08
174		0.17	0.000	0.040	0.1028	0.6058	0.0330	1.90E-05	0.1807	0.0026	2.17E-08
175		0.11	0.000	0.033	0.1046	0.5526	0.0301	1.73E-05	0.1807	0.0026	2.17E-08
176		0.02	0.000	0.043	0.1025	0.5017	0.0273	1.57E-05	0.1806	0.0026	2.17E-08
177		0.00	0.000	0.031	0.1002	0.4529	0.0247	1.42E-05	0.1806	0.0026	2.17E-08

178	0.00	0.000	0.036	0.0977	0.4110	0.0224	1.28E-05	0.1806	0.0026	2.17E-08
179	0.00	0.000	0.046	0.0950	0.3742	0.0204	1.17E-05	0.1805	0.0026	2.17E-08
180	0.00	0.000	0.046	0.0923	0.3403	0.0185	1.06E-05	0.1805	0.0026	2.17E-08
181	0.10	0.000	0.055	0.0935	0.3088	0.0168	9.64E-06	0.1805	0.0026	2.16E-08
182	0.00	0.000	0.053	0.0907	0.2781	0.0152	8.68E-06	0.1804	0.0026	2.16E-08
183	0.33	0.000	0.057	0.1017	0.2426	0.0132	7.57E-06	0.1804	0.0026	2.16E-08
184	0.02	0.000	0.166	0.0954	0.2097	0.0114	6.54E-06	0.1803	0.0026	2.16E-08
185	0.00	0.000	0.260	0.0841	0.1807	0.0098	5.63E-06	0.1803	0.0026	2.16E-08
186	0.14	0.000	0.186	0.0820	0.1617	0.0088	5.04E-06	0.1802	0.0026	2.16E-08
187	0.09	0.000	0.122	0.0801	0.1571	0.0086	4.90E-06	0.1802	0.0026	2.16E-08
188	0.00	0.000	0.088	0.0761	0.1626	0.0089	5.07E-06	0.1801	0.0026	2.16E-08
189	0.13	0.000	0.067	0.0785	0.1648	0.0090	5.14E-06	0.1801	0.0026	2.16E-08
190	0.10	0.000	0.101	0.0782	0.1575	0.0086	4.91E-06	0.1801	0.0026	2.16E-08
191	0.59	0.000	0.402	0.0855	0.1433	0.0078	4.47E-06	0.1800	0.0026	2.16E-08
192	0.00	0.000	0.242	0.0751	0.1622	0.0088	5.06E-06	0.1800	0.0025	2.16E-08
193	0.00	0.000	0.134	0.0690	0.2019	0.0110	6.30E-06	0.1800	0.0025	2.16E-08
194	0.03	0.000	0.122	0.0644	0.2398	0.0131	7.48E-06	0.1799	0.0025	2.16E-08
195	0.05	0.000	0.126	0.0608	0.2531	0.0138	7.90E-06	0.1799	0.0025	2.16E-08
196	0.00	0.000	0.086	0.0567	0.2385	0.0130	7.44E-06	0.1799	0.0025	2.16E-08
197	0.00	0.000	0.087	0.0526	0.2100	0.0114	6.55E-06	0.1799	0.0025	2.16E-08
198	0.00	0.000	0.064	0.0495	0.1905	0.0104	5.94E-06	0.1798	0.0025	2.16E-08
199	0.00	0.000	0.052	0.0469	0.1623	0.0088	5.06E-06	0.1798	0.0025	2.16E-08
200	0.03	0.000	0.086	0.0443	0.1367	0.0075	4.26E-06	0.1798	0.0025	2.16E-08
201	0.29	0.000	0.047	0.0542	0.1184	0.0065	3.69E-06	0.1797	0.0025	2.16E-08
202	0.00	0.000	0.062	0.0514	0.1135	0.0062	3.54E-06	0.1797	0.0025	2.16E-08
203	0.00	0.000	0.050	0.0490	0.1287	0.0070	4.01E-06	0.1797	0.0025	2.16E-08
204	0.02	0.000	0.104	0.0454	0.0870	0.0047	2.71E-06	0.1797	0.0025	2.16E-08
205	0.10	0.000	0.057	0.0470	0.0393	0.0021	1.22E-06	0.1796	0.0025	2.15E-08
206	0.00	0.000	0.092	0.0431	0.0204	0.0009	5.26E-07	0.1796	0.0025	2.15E-08
207	0.05	0.000	0.050	0.0432	0.0000	0.0000	0.00E+00	0.1796	0.0025	2.15E-08
208	0.19	0.000	0.050	0.0488	0.0000	0.0000	0.00E+00	0.1796	0.0025	2.15E-08
209	0.07	0.000	0.069	0.0490	0.0000	0.0000	0.00E+00	0.1795	0.0025	2.15E-08
210	0.01	0.000	0.080	0.0459	0.0000	0.0000	0.00E+00	0.1795	0.0025	2.15E-08
211	0.37	0.000	0.089	0.0574	0.0000	0.0000	0.00E+00	0.1795	0.0025	2.15E-08
212	0.21	0.000	0.075	0.0631	0.0000	0.0000	0.00E+00	0.1795	0.0025	2.15E-08
213	0.18	0.000	0.112	0.0660	0.0000	0.0000	0.00E+00	0.1794	0.0025	2.15E-08
214	0.00	0.000	0.118	0.0611	0.0000	0.0000	0.00E+00	0.1794	0.0025	2.15E-08

215		0.54	0.000	0.261	0.0729	0.0000	0.0000	0.00E+00	0.1794	0.0025	2.15E-08
216		0.00	0.000	0.240	0.0629	0.0000	0.0000	0.00E+00	0.1794	0.0025	2.15E-08
217		0.48	0.000	0.240	0.0727	0.0000	0.0000	0.00E+00	0.1794	0.0025	2.15E-08
218		0.00	0.000	0.284	0.0609	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
219		0.01	0.000	0.187	0.0536	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
220		0.14	0.000	0.235	0.0498	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
221		0.00	0.000	0.150	0.0436	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
222		0.01	0.000	0.090	0.0402	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
223		0.00	0.000	0.096	0.0362	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
224		0.00	0.000	0.054	0.0340	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
225		0.00	0.000	0.027	0.0329	0.0000	0.0000	0.00E+00	0.1793	0.0025	2.15E-08
226		0.19	0.000	0.026	0.0399	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
227		0.07	0.000	0.041	0.0409	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
228		0.00	0.000	0.034	0.0395	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
229		0.00	0.000	0.040	0.0380	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
230		0.16	0.000	0.036	0.0430	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
231		0.00	0.000	0.132	0.0375	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
232		0.23	0.000	0.046	0.0450	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
233		1.06	0.000	0.084	0.0857	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
234		0.06	0.000	0.092	0.0843	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
235		0.39	0.000	0.181	0.0930	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
236		0.24	0.000	0.147	0.0970	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
237		0.53	0.000	0.088	0.1153	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
238		0.84	0.000	0.077	0.1469	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
239		0.31	0.000	0.157	0.1532	0.0000	0.0000	0.00E+00	0.1792	0.0025	2.15E-08
240		0.00	0.000	0.208	0.1445	0.0227	0.0012	7.07E-07	0.1792	0.0025	2.15E-08
241		0.00	0.000	0.084	0.1405	0.2307	0.0126	7.20E-06	0.1792	0.0025	2.15E-08
242		0.06	0.000	0.106	0.1376	0.5048	0.0275	1.58E-05	0.1792	0.0025	2.15E-08
243		0.01	0.000	0.094	0.1325	0.6675	0.0364	2.09E-05	0.1792	0.0025	2.15E-08
244		0.42	0.000	0.109	0.1440	0.7408	0.0404	2.32E-05	0.1793	0.0025	2.15E-08
245		0.01	0.000	0.178	0.1351	0.7721	0.0421	2.42E-05	0.1793	0.0025	2.15E-08
246		0.00	0.000	0.133	0.1279	0.7354	0.0401	2.31E-05	0.1794	0.0025	2.15E-08
247		0.00	0.000	0.071	0.1233	0.7131	0.0389	2.24E-05	0.1794	0.0025	2.15E-08
248		0.00	0.000	0.061	0.1192	0.7069	0.0385	2.22E-05	0.1794	0.0025	2.15E-08
249		0.00	0.000	0.087	0.1140	0.6940	0.0378	2.18E-05	0.1795	0.0025	2.15E-08
250	*	0.00	0.000	0.038	0.1110	0.6720	0.0366	2.11E-05	0.1795	0.0025	2.15E-08
251	*	0.13	0.000	0.064	0.1104	0.6407	0.0349	2.01E-05	0.1795	0.0025	2.15E-08

252	*	0.00	0.000	0.000	0.1099	0.5944	0.0324	1.86E-05	0.1796	0.0025	2.15E-08
253		0.21	0.000	0.087	0.1151	0.5382	0.0293	1.68E-05	0.1796	0.0025	2.15E-08
254		0.16	0.000	0.128	0.1153	0.4754	0.0259	1.49E-05	0.1796	0.0025	2.15E-08
255		0.09	0.000	0.116	0.1132	0.4224	0.0230	1.32E-05	0.1796	0.0025	2.15E-08
256		0.15	0.000	0.126	0.1133	0.3974	0.0217	1.24E-05	0.1796	0.0025	2.15E-08
257		0.00	0.000	0.152	0.1061	0.3750	0.0204	1.17E-05	0.1796	0.0025	2.15E-08
258		0.00	0.000	0.130	0.0999	0.3490	0.0190	1.09E-05	0.1796	0.0025	2.15E-08
259		0.00	0.000	0.054	0.0970	0.3111	0.0170	9.72E-06	0.1795	0.0025	2.15E-08
260		0.00	0.000	0.041	0.0946	0.2720	0.0148	8.49E-06	0.1795	0.0025	2.15E-08
261		0.00	0.000	0.035	0.0926	0.2410	0.0131	7.52E-06	0.1795	0.0025	2.15E-08
262		0.00	0.000	0.031	0.0908	0.2171	0.0118	6.77E-06	0.1795	0.0025	2.15E-08
263		0.00	0.000	0.028	0.0892	0.1989	0.0108	6.20E-06	0.1795	0.0025	2.15E-08
264		0.00	0.000	0.026	0.0877	0.1848	0.0101	5.76E-06	0.1795	0.0025	2.15E-08
265		0.18	0.000	0.034	0.0936	0.1736	0.0095	5.41E-06	0.1794	0.0025	2.15E-08
266		0.01	0.000	0.031	0.0925	0.1645	0.0090	5.13E-06	0.1794	0.0025	2.15E-08
267		0.00	0.000	0.022	0.0913	0.1547	0.0084	4.82E-06	0.1794	0.0025	2.15E-08
268		0.00	0.000	0.021	0.0901	0.1459	0.0080	4.55E-06	0.1794	0.0025	2.15E-08
269		0.00	0.000	0.021	0.0889	0.1421	0.0077	4.43E-06	0.1793	0.0025	2.15E-08
270		0.01	0.000	0.026	0.0879	0.1358	0.0074	4.23E-06	0.1793	0.0025	2.15E-08
271		0.00	0.000	0.020	0.0868	0.1305	0.0071	4.07E-06	0.1793	0.0025	2.15E-08
272		0.07	0.000	0.027	0.0881	0.1256	0.0068	3.92E-06	0.1793	0.0025	2.15E-08
273		0.00	0.000	0.016	0.0871	0.1218	0.0066	3.80E-06	0.1793	0.0025	2.15E-08
274	*	0.01	0.000	0.027	0.0862	0.1186	0.0065	3.69E-06	0.1792	0.0025	2.15E-08
275	*	0.00	0.000	0.000	0.0859	0.1163	0.0063	3.62E-06	0.1792	0.0025	2.15E-08
276	*	0.30	0.000	0.025	0.0865	0.1144	0.0062	3.56E-06	0.1792	0.0025	2.15E-08
277		0.02	0.000	0.108	0.0932	0.1117	0.0061	3.48E-06	0.1792	0.0025	2.15E-08
278		0.70	0.000	0.022	0.1211	0.1077	0.0059	3.35E-06	0.1792	0.0025	2.15E-08
279		0.23	0.000	0.102	0.1263	0.0992	0.0054	3.09E-06	0.1791	0.0025	2.15E-08
280		0.56	0.000	0.127	0.1442	0.0872	0.0048	2.72E-06	0.1791	0.0025	2.15E-08
281		0.02	0.000	0.131	0.1395	0.0866	0.0047	2.70E-06	0.1791	0.0025	2.15E-08
282		0.00	0.000	0.039	0.1378	0.0893	0.0049	2.78E-06	0.1791	0.0025	2.15E-08
283	*	0.09	0.000	0.050	0.1384	0.0937	0.0051	2.92E-06	0.1791	0.0025	2.15E-08
284	*	0.06	0.000	0.014	0.1387	0.2460	0.0134	7.68E-06	0.1791	0.0025	2.15E-08
285		0.00	0.000	0.058	0.1374	0.4001	0.0218	1.25E-05	0.1791	0.0025	2.15E-08
286	*	0.00	0.000	0.000	0.1363	0.4894	0.0267	1.53E-05	0.1791	0.0025	2.15E-08
287		0.00	0.000	0.064	0.1324	0.5495	0.0300	1.72E-05	0.1791	0.0025	2.15E-08
288	*	0.00	0.000	0.030	0.1298	0.5840	0.0318	1.83E-05	0.1791	0.0025	2.15E-08

289			0.01	0.000	0.072	0.1258	0.6044	0.0329	1.89E-05	0.1791	0.0025	2.15E-08
290			0.00	0.000	0.108	0.1199	0.5978	0.0326	1.87E-05	0.1791	0.0025	2.15E-08
291			0.00	0.000	0.042	0.1169	0.5744	0.0313	1.80E-05	0.1792	0.0025	2.15E-08
292	*		0.06	0.000	0.022	0.1165	0.5588	0.0305	1.75E-05	0.1792	0.0025	2.15E-08
293	*		0.00	0.000	0.023	0.1152	0.5405	0.0295	1.69E-05	0.1792	0.0025	2.15E-08
294	*		0.00	0.000	0.000	0.1141	0.5081	0.0277	1.59E-05	0.1792	0.0025	2.15E-08
295	*		0.00	0.000	0.000	0.1130	0.4709	0.0257	1.47E-05	0.1792	0.0025	2.15E-08
296	*		0.00	0.000	0.000	0.1120	0.4337	0.0236	1.36E-05	0.1792	0.0025	2.15E-08
297	*		0.00	0.000	0.000	0.1111	0.3989	0.0217	1.25E-05	0.1792	0.0025	2.15E-08
298			0.00	0.000	0.085	0.1067	0.3604	0.0196	1.13E-05	0.1792	0.0025	2.15E-08
299	*		0.55	0.000	0.019	0.1068	0.3404	0.0186	1.06E-05	0.1792	0.0025	2.15E-08
300			0.02	0.000	0.000	0.1283	0.3321	0.0181	1.04E-05	0.1791	0.0025	2.15E-08
301			0.00	0.000	0.062	0.1250	0.3130	0.0171	9.77E-06	0.1791	0.0025	2.15E-08
302			0.00	0.000	0.075	0.1212	0.2861	0.0156	8.93E-06	0.1791	0.0025	2.15E-08
303			0.00	0.000	0.057	0.1183	0.2502	0.0136	7.81E-06	0.1791	0.0025	2.15E-08
304	*		0.07	0.000	0.017	0.1186	0.2343	0.0128	7.31E-06	0.1791	0.0025	2.15E-08
305	*		0.16	0.000	0.000	0.1189	0.2293	0.0125	7.15E-06	0.1790	0.0025	2.15E-08
306	*		0.02	0.000	0.025	0.1192	0.2312	0.0126	7.21E-06	0.1790	0.0025	2.15E-08
307	*		0.00	0.000	0.008	0.1195	0.2300	0.0125	7.18E-06	0.1790	0.0025	2.15E-08
308	*		0.07	0.000	0.000	0.1198	0.2225	0.0121	6.94E-06	0.1790	0.0025	2.15E-08
309	*		0.02	0.000	0.009	0.1201	0.2108	0.0115	6.57E-06	0.1790	0.0025	2.15E-08
310			0.00	0.000	0.033	0.1253	0.1913	0.0104	5.97E-06	0.1789	0.0025	2.15E-08
311			0.00	0.000	0.036	0.1234	0.1720	0.0094	5.36E-06	0.1789	0.0025	2.15E-08
312	*		0.96	0.000	0.009	0.1239	0.1496	0.0082	4.66E-06	0.1789	0.0025	2.15E-08
313	*	*	0.00	0.000	0.017	0.1236	0.1289	0.0070	4.02E-06	0.1789	0.0025	2.15E-08
314		*	0.00	0.295	0.000	0.1493	0.1110	0.0060	3.46E-06	0.1788	0.0025	2.15E-08
315	*	*	0.00	0.000	0.000	0.1491	0.0956	0.0052	2.98E-06	0.1788	0.0025	2.14E-08
316		*	0.00	0.000	0.000	0.1489	0.0823	0.0045	2.56E-06	0.1788	0.0025	2.14E-08
317		*	0.00	0.000	0.000	0.1488	0.0709	0.0039	2.21E-06	0.1788	0.0025	2.14E-08
318		*	0.00	0.000	0.000	0.1486	0.0611	0.0033	1.90E-06	0.1787	0.0025	2.14E-08
319	*	*	0.00	0.000	0.000	0.1485	0.0526	0.0029	1.64E-06	0.1787	0.0025	2.14E-08
320	*	*	0.15	0.000	0.007	0.1484	0.0453	0.0025	1.41E-06	0.1787	0.0025	2.14E-08
321	*	*	0.00	0.000	0.013	0.1483	0.0390	0.0021	1.21E-06	0.1787	0.0025	2.14E-08
322		*	0.00	0.000	0.028	0.1527	0.0336	0.0018	1.05E-06	0.1786	0.0025	2.14E-08
323		*	0.00	0.000	0.000	0.1526	0.0289	0.0016	9.04E-07	0.1786	0.0025	2.14E-08
324		*	0.00	0.000	0.000	0.1525	0.0249	0.0014	7.80E-07	0.1786	0.0025	2.14E-08
325		*	0.00	0.000	0.000	0.1525	0.0215	0.0012	6.74E-07	0.1786	0.0025	2.14E-08

326		*	0.23	0.008	0.003	0.1615	0.0185	0.0010	5.82E-07	0.1785	0.0025	2.14E-08
327	*	*	0.00	0.000	0.000	0.1615	0.0159	0.0009	5.03E-07	0.1785	0.0025	2.14E-08
328	*	*	0.00	0.000	0.000	0.1614	0.0137	0.0007	4.35E-07	0.1785	0.0025	2.14E-08
329	*	*	0.00	0.000	0.003	0.1614	0.0118	0.0006	3.77E-07	0.1785	0.0025	2.14E-08
330		*	0.00	0.000	0.000	0.1614	0.0102	0.0006	3.26E-07	0.1785	0.0025	2.14E-08
331		*	0.00	0.000	0.000	0.1614	0.0088	0.0005	2.83E-07	0.1784	0.0025	2.14E-08
332		*	0.00	0.000	0.000	0.1613	0.0075	0.0004	2.46E-07	0.1784	0.0025	2.14E-08
333		*	0.00	0.000	0.000	0.1613	0.0065	0.0004	2.13E-07	0.1784	0.0025	2.14E-08
334	*	*	0.10	0.000	0.010	0.1613	0.0056	0.0003	1.86E-07	0.1784	0.0025	2.14E-08
335	*	*	0.22	0.000	0.003	0.1613	0.0048	0.0003	1.62E-07	0.1784	0.0025	2.14E-08
336	*	*	0.00	0.000	0.009	0.1613	0.0041	0.0002	1.41E-07	0.1784	0.0025	2.14E-08
337		*	0.00	0.035	0.000	0.1724	0.0036	0.0002	1.24E-07	0.1784	0.0025	2.14E-08
338	*	*	0.03	0.000	0.027	0.1724	0.0031	0.0002	1.08E-07	0.1783	0.0025	2.14E-08
339		*	0.01	0.000	0.010	0.1723	0.0027	0.0001	9.52E-08	0.1783	0.0025	2.14E-08
340		*	0.00	0.000	0.000	0.1723	0.0023	0.0001	8.39E-08	0.1783	0.0025	2.14E-08
341		*	0.00	0.000	0.000	0.1723	0.0020	0.0001	7.40E-08	0.1783	0.0025	2.14E-08
342	*	*	0.03	0.000	0.026	0.1723	0.0017	0.0001	6.57E-08	0.1783	0.0025	2.14E-08
343	*	*	0.00	0.000	0.000	0.1723	0.0015	0.0001	5.85E-08	0.1783	0.0025	2.14E-08
344	*	*	0.01	0.000	0.006	0.1723	0.0013	0.0001	5.22E-08	0.1783	0.0025	2.14E-08
345	*	*	0.00	0.000	0.000	0.1723	0.0011	0.0001	4.69E-08	0.1783	0.0025	2.14E-08
346		*	0.00	0.000	0.000	0.1723	0.0009	0.0001	4.23E-08	0.1782	0.0025	2.14E-08
347	*	*	0.00	0.000	0.000	0.1723	0.0008	0.0000	3.83E-08	0.1782	0.0025	2.14E-08
348	*	*	0.00	0.000	0.000	0.1723	0.0007	0.0000	3.49E-08	0.1782	0.0025	2.14E-08
349	*	*	0.00	0.000	0.000	0.1723	0.0006	0.0000	3.19E-08	0.1782	0.0025	2.14E-08
350	*	*	0.00	0.000	0.000	0.1723	0.0005	0.0000	2.94E-08	0.1782	0.0025	2.14E-08
351	*	*	0.00	0.000	0.000	0.1723	0.0004	0.0000	2.72E-08	0.1782	0.0025	2.14E-08
352	*	*	0.00	0.000	0.000	0.1723	0.0004	0.0000	2.53E-08	0.1782	0.0025	2.14E-08
353		*	0.00	0.000	0.000	0.1723	0.0003	0.0000	2.37E-08	0.1782	0.0025	2.14E-08
354	*	*	0.00	0.000	0.000	0.1723	0.0003	0.0000	2.23E-08	0.1782	0.0025	2.14E-08
355	*	*	0.00	0.000	0.000	0.1723	0.0002	0.0000	2.11E-08	0.1782	0.0025	2.14E-08
356		*	0.00	0.000	0.000	0.1723	0.0002	0.0000	2.00E-08	0.1782	0.0025	2.14E-08
357		*	0.00	0.000	0.000	0.1723	0.0002	0.0000	1.91E-08	0.1781	0.0025	2.14E-08
358	*	*	0.00	0.000	0.000	0.1723	0.0002	0.0000	1.84E-08	0.1781	0.0025	2.14E-08
359	*	*	0.00	0.000	0.000	0.1723	0.0001	0.0000	1.77E-08	0.1781	0.0025	2.14E-08
360	*	*	0.07	0.000	0.011	0.1723	0.0001	0.0000	1.71E-08	0.1781	0.0025	2.14E-08
361	*	*	0.00	0.000	0.004	0.1723	0.0001	0.0000	1.66E-08	0.1781	0.0025	2.14E-08
362	*	*	0.02	0.000	0.004	0.1723	0.0001	0.0000	1.62E-08	0.1781	0.0025	2.14E-08

363	*	*	0.00	0.000	0.002	0.1723	0.0001	0.0000	1.59E-08	0.1781	0.0025	2.14E-08
364	*	*	0.00	0.000	0.005	0.1723	0.0001	0.0000	1.55E-08	0.1781	0.0025	2.14E-08
365	*	*	0.00	0.000	0.003	0.1723	0.0001	0.0000	1.53E-08	0.1781	0.0025	2.14E-08

* = Frozen (air or soil)

Annual Totals for Year 30			
	inches	cubic feet	percent
Precipitation	25.73	785,349.7	100.00
Runoff	0.875	26,717.2	3.40
Evapotranspiration	17.906	546,652.0	69.61
Drainage Collected from Layer 2	5.6005	170,974.9	21.77
Percolation/Leakage through Layer 3	0.003250	99.2	0.01
Average Head on Top of Layer 3	0.2815	---	---
Drainage Collected from Layer 5	0.9340	28,515.0	3.63
Percolation/Leakage through Layer 7	0.000008	0.2414	0.00
Average Head on Top of Layer 6	0.1806	---	---
Change in Water Storage	0.4091	12,490.4	1.59
Soil Water at Start of Year	284.7715	8,693,588.5	1106.97
Soil Water at End of Year	285.1222	8,704,297.5	1108.33
Snow Water at Start of Year	0.0000	0.0000	0.00
Snow Water at End of Year	0.0584	1,781.4	0.23
Annual Water Budget Balance	0.0000	0.0000	0.00

Average Annual Totals Summary

Title: Cell 4 Base Liner Efficiency
Simulated on: 11/8/2022 15:18

	Average Annual Totals for Years 1 - 30*			
	(inches)	[std dev]	(cubic feet)	(percent)
Precipitation	27.38	[3.62]	835,850.6	100.00
Runoff	1.292	[1.037]	39,454.0	4.72
Evapotranspiration	21.078	[2.82]	643,463.9	76.98
Subprofile1				
Lateral drainage collected from Layer 2	4.9374	[1.5447]	150,731.2	18.03
Percolation/leakage through Layer 3	0.002881	[0.000912]	87.9	0.01
Average Head on Top of Layer 3	0.2480	[0.0776]	---	---
Subprofile2				
Lateral drainage collected from Layer 5	1.6353	[0.5844]	49,921.4	5.97
Percolation/leakage through Layer 7	0.000014	[0.000005]	0.4244	0.00
Average Head on Top of Layer 6	0.3160	[0.113]	---	---
Water storage				
Change in water storage	-1.5632	[1.4175]	-47,720.4	-5.71

* Note: Average inches are converted to volume based on the user-specified area.

Peak Values Summary

Title: Cell 4 Base Liner Efficiency
Simulated on: 11/8/2022 15:18

	Peak Values for Years 1 - 30*		
	(inches)		(cubic feet)
Precipitation	2.07		63,254.3
Runoff	1.431		43,683.5
Subprofile1			
Drainage collected from Layer 2	0.5719		17,459.2
Percolation/leakage through Layer 3	0.000355		10.8
Average head on Layer 3	10.4914		---
Maximum head on Layer 3	18.8871		---
Location of maximum head in Layer 2	12.77	(feet from drain)	
Subprofile2			
Drainage collected from Layer 5	0.0091		277.4
Percolation/leakage through Layer 7	0.000000		0.0024
Average head on Layer 6	0.6414		---
Maximum head on Layer 6	1.1149		---
Location of maximum head in Layer 5	10.44	(feet from drain)	
Other Parameters			
Snow water	2.1065		64,309.2
Maximum vegetation soil water	0.3003	(vol/vol)	
Minimum vegetation soil water	0.0325	(vol/vol)	

Final Water Storage in Landfill Profile at End of Simulation Period

Title: Cell 4 Base Liner Efficiency
Simulated on: 11/8/2022 15:18
Simulation period: 30 years

	Final Water Storage	
Layer	(inches)	(vol/vol)
1	3.1527	0.2627
2	0.9827	0.0819
3	0.0000	0.0000
4	277.3322	0.2027
5	0.6062	0.0505
6	0.0000	0.0000
7	0.1875	0.7500
Snow water	0.0584	---

APPENDIX H – Pipe Strength Calculations

Date: 11/3/2022
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Project: Xcel Sherco Unit 3 Landfill Cell 4

LEACHATE PIPE STRENGTH ANALYSIS

Objective:

This document presents the assessment for leachate pipe strength analysis for Cell 4 of the Unit 3 Landfill (U3LF) at the Sherburne County Generating Plant (Sherco) in Becker, Minnesota to addresses the requirements of 40 CFR §257.70(d) (Rules), which states:

> *The leachate collection and removal system must be … constructed of materials that are … of sufficient strength and thickness to prevent collapse under the pressures exerted by overlying waste, waste cover materials, and equipment used at the CCR unit…*

The leachate collection system utilized for Cell 4 consists a 12 inch granular drainage layer which drains to lateral and header leachate collection trenches, which in-turn drain to a sump at the east end of the cell. Leachate collection trenches are made up of perforated 6-inch SDR 17 High Density Polyethylene (HDPE) pipe encased in a drainage aggregate filter pack. The sump features 18-inch SDR 17 HDPE intake manifold piping encased in a drainage aggregate filter pack. This report addresses the integrity of the HDPE piping in the leachate removal system during operating and through post-closure.

Basis:

The critical design event will be the earth pressure enacted upon the 6-inch SDR 17 HDPE leachate collection pipe at 118 feet of burial depth, which corresponds to burial depth at the maximum height of the landfill expansion in Cell 4. Live load from CCR haul trucks and other equipment traveling in the landfill is negligible at this depth.

The following criteria were calculated in accordance with the Plastics Pipe Institute (PPI) Handbook using the Deep Fill installation (greater than 50 feet) scenario:

- Ring deflection
- Ring compression
- Ring buckling

Figure 3-1 from the PPI Handbook depicts the three failure criteria below:

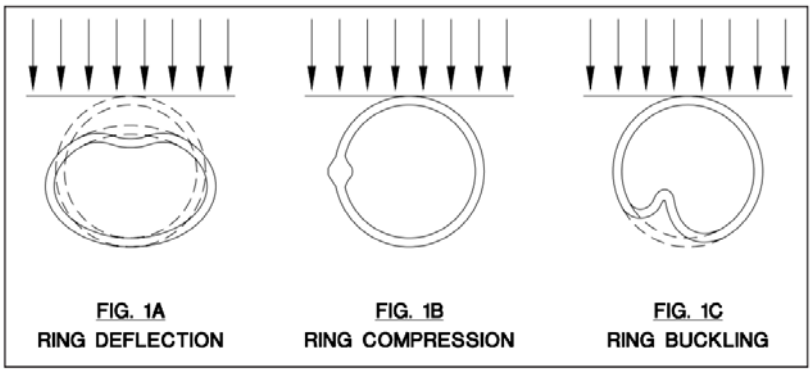


Figure 3-1 Performance Limits for Buried PE Pipe

The equations, assumptions, and calculations to support the analysis of each criterion is detailed below.

Ring Deflection

Ring deflection in deep burial applications can be determined using Watkins-Gaube Calculation Technique, Eq. 3-24 from the PPI handbook. The calculation includes the following equations:

$$R_F = \frac{12\ E_s(DR-1)^3}{E}$$

Where: R_F = Rigidity factor (unitless)
DR= pipe dimension ratio: 17 (selected for project; unitless)
E_s= Secant modulus of the soil: 2,383.3 psi (determined below)
E = apparent modulus of elasticity of pipe material: 27,000 psi (Determined using Table B.1.1 of the PPI Handbook, using a design duration of 100 years with a PPI Rating of PE3408)

Secant modulus, E_S, can be determined using the following equation (Eq. 3-26 from the PPI Handbook):

$$E_s = M_s \frac{(1+\mu)(1-2\mu)}{(1-\mu)}$$

Where: M_s= One-dimensional modulus of soil: 2860 psi (Determined using Table 3-12 of the PPI Handbook as described below):

Typical densities for U3LF CCR are 95 pounds/cubic foot (pcf) and the maximum burial depth of pipe is 118 feet, resulting in a vertical soil stress of 78 psi. A compaction value of 90% standard proctor density on the waste mass was chosen to be conservative. Interpretation of Table 3-12 with these values yields M_s = 2860 psi

μ = Poisson's ratio: 0.25 (unitless; determined using Table 3-13 of the PPI handbook)
Note that Poisson's ratio for rounded rock surrounding pipe as drainage aggregate was not included in the PPI handbook, however, coarse sand has a value of 0.15 and fine-grained sands have a value of 0.25. So, the more conservative value of 0.25 was chosen.

$$E_s = 2{,}860\ psi\ \frac{(1+0.25)(1-2*0.25)}{(1-0.25)} = 2{,}383.3\ psi$$

Therefore:

$$R_F = \frac{12 *\ 2{,}383.3 psi\ (17-1)^3}{27{,}000\ psi} = 4{,}339$$

Soil strain can be determined using Eq. 3-27 from the PPI Handbook:

$$\varepsilon_s = \frac{wH}{144 * E_s}$$

Where: ε_s = soil strain (unitless)
w = unit weight of soil above the pipe: 95 pcf
H = depth of cover (height of fill above pipe crown), 118 feet
Note that 144 converts the result from pcf to psi.

Therefore:

$$\varepsilon_s = \frac{95\ pcf * 118\ feet}{144 * 2383.3\ psi} * 100\% \ = 3.27\ \%$$

Using Figure 3-6 of the PPI Handbook, the Rigidity Factor (4,339 psi) can be used to determine a Deformation Factor (D_F) of 1.65.

Using Eq. 3-28, the pipe deflection is:

$$\frac{\Delta X}{D_M} = \ D_F\ \varepsilon_S = 1.65 * 3.27\% = 5.40\ \%$$

Chapter 6 of the PPI handbook states:

For non-pressure applications, a 7.5 percent deflection limit provides a large safety factor against instability and strain and is considered a safe design deflection.

Therefore, a deflection of **5.40% is well within this range for an adequate safety factor** for use in the landfill.

Ring Compression

Ring compression for a pipe buried greater than 50 feet can be determined using the Burns and Richard equation, Eq. 3-21 from the PPI handbook.

$$VAF = 0.88 - 0.71\frac{S_A - 1}{S_A + 2.5}$$

Where: VAF = vertical arching factor (unitless)
S_A = hoop thrust stiffness ratio (unitless)

Hoop thrust stiffness ratio is expressed by Eq. 3-22 as:

$$S_A = \frac{1.43\, M_S\, r_{CENT}}{EA}$$

Where: r_{CENT} = radius to centroidal axis of pipe: outside diameter (6.625 inches)/2 = 3.31 inches
M_s = one-dimensional modulus of soil: 2,860 psi (from above).
E = apparent modulus of elasticity of pipe material: 27,000 psi (from above).
A = wall thickness for DR pipe: 0.39 inch for 6 inch SDR 17 pipe.

Therefore:

$$S_A = \frac{1.43 * 2{,}860\ psi * 3.31\ inches}{27{,}000\ psi * 0.39\ inches} = 1.29$$

Vertical arching factor, VAF is:

$$VAF = 0.88 - 0.71\frac{1.29 - 1}{1.29 + 2.5} = 0.83$$

The radial directed earth pressure can be found by multiplying the prism load (pressure) by the vertical arching factor as shown in Eq. 3-23 of the PPI handbook.

$$P_{RD} = (VAF)wH$$

Where: P_{RD} = radial directed earth pressure (psf)
w = unit weight of soil: 95 pcf (from above)
H = depth of cover: 118 feet (from above)

Therefore:

$$P_{RD} = (0.83) * 95pcf * 118\ ft = 9{,}304\ psf$$

Using Eq. 3-14, the stress in the pipe can be determined:

$$S = \frac{P_{RD}\, D_O}{288A}$$

Where: S = stress in pipe (psi)
D_O = outside diameter of pipe: 6.625 inches
A = wall thickness: 0.39 inches
Note that 288 is a conversion factor from square feet to square inches

$$S = \frac{9{,}304\ psf * 6.625 inches}{288 * 0.39\ inches} = 549\ psi$$

Per Table C.1 in Chapter 3 of the PPI Handbook, the allowable stress on the proposed Cell 4 leachate pipes (formulation PE4710) is 1,150 psi. Therefore, the factor of safety for the leachate collection pipe against compression stress is:

$$FS = \frac{1150 psi}{549\ psi} = 2.09$$

A factor of safety of **2.09 is considered safe from compression stress**.

Ring Buckling

The Moore-Selig Equation (Eq. 3-29) for constrained buckling in dry ground can be expressed as:

$$P_{CR} = \frac{2.4\ \varphi\ R_H}{D_M} (EI)^{\frac{1}{3}} (E_s^*)^{\frac{2}{3}}$$

Where: P_{CR} = critical constrained buckling pressure (psi)
φ = calibration factor: 0.55 for granular soils (unitless)
R_H = Geometry factor: 1.0 for deep burials in uniform soils (unitless)
D_M = Mean diameter: $D_O - t$ = 6.625 in. – 0.39 in = 6.235 in
E = apparent modulus of elasticity of pipe material: 27,000 psi (from above)
I = pipe wall moment of inertia ($t^3/12$) for solid wall construction: 0.00494 in^3
E_s^* = Es/(1- μ)
E_S = secant modulus of soil: 2,383.3 psi (from above)
μ = Poisson's Ratio of soil: 0.25 (from above)

Therefore:

$$E_S^* = \frac{E_S}{(1-\mu)} = \frac{2{,}383.3\ psi}{(1-0.25)} = 3{,}177.7\ psi$$

Critical constrained buckling pressure can be expressed as:

$$P_{CR} = \frac{2.4 * 0.55 * 1.0}{6.235in.}(27{,}000\ psi * 0.00494\ in^3)^{\frac{1}{3}}(3{,}177.7\ psi)^{\frac{2}{3}} = 233.8\ psi$$

The factor of safety against buckling is:

$$FS = \frac{P_{CR}}{P_E} = \frac{233.8\ psi}{77.8\ psi} = 3.00$$

Where: P_E = vertical soil pressure due to earth load: 95 pcf * 118 feet / 144 sf/si = 77.8 psi.

A factor of safety of **3.00 is considered safe against ring buckling.**

Conclusion

The proposed 6-inch SDR 17 leachate pipe will be buried under a maximum of 118 feet of CCR. The pipe was tested against ring deflection, ring compression, and ring buckling and found to have adequate factor of safety for all analyses in accordance with 40 CFR §257.70(d).

References

PPI Second Edition Handbook of PE Pipe, Chapter 3 – Material Properties. Plastic Pipe Institute (2008).

PPI Second Edition Handbook of PE Pipe, Chapter 6 – Design of PE Piping Systems. Plastic Pipe Institute (2008).