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2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT GYPSUM MANAGEMENT FACILITY POND

DUCK CREEK POWER PLANT
CANTON, ILLINOIS
CCR UNIT 203



2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT GYPSUM MANAGEMENT FACILITY POND

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ACRONYMS AND ABBREVIATIONS

35 I.A.C. Title 35 of the Illinois Administrative Code 40 C.F.R. Title 40 of the Code of Federal Regulations

ASD Alternative Source Demonstration

CCR coal combustion residuals

D11 Quarter 3, 2022 Detection Monitoring sampling event
D11R Quarter 4, 2022 Detection Monitoring sampling event
D12 Quarter 1, 2023 Detection Monitoring sampling event
D12R Quarter 2, 2023 Detection Monitoring sampling event
D13 Quarter 3, 2023 Detection Monitoring sampling event
D13R Quarter 4, 2023 Detection Monitoring sampling event

DCPP Duck Creek Power Plant

GMF Pond Gypsum Management Facility Pond GWPS groundwater protection standard

IEPA Illinois Environmental Protection Agency

NA not applicable

Ramboll Ramboll Americas Engineering Solutions, Inc.

SAP Sampling and Analysis Plan SSI statistically significant increase

TBD to be determined

EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 40 of the Code of Federal Regulations (40 C.F.R.) Section § 257.90(e) for the Gypsum Management Facility Pond (GMF Pond) located at the Duck Creek Power Plant (DCPP) near Canton, Illinois.

Groundwater is being monitored at the GMF Pond in accordance with the Detection Monitoring Program requirements specified in 40 C.F.R. § 257.94.

As discussed in **Section 3** of this annual report, the monitoring system was updated in 2023 to use the same monitoring system developed for compliance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845, which was submitted to the Illinois Environmental Protection Agency (IEPA) via an operating permit application.

The following Statistically Significant Increases (SSIs) of 40 C.F.R. § 257 Appendix III parameter concentrations greater than background concentrations were reported in 2023:

- Calcium at wells G54S, G54L, G57S, and G60S
- · Chloride at well G54L
- Sulfate at well G60L
- Total Dissolved Solids (TDS) at wells G54S, G54L, G57S, G60S, G60L, and G64L
- pH at well G60L

Alternative Source Demonstrations (ASDs) were completed in 2023 for the SSIs referenced above and the GMF Pond remains in the Detection Monitoring Program.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of Illinois Power Resources Generating, LLC, to provide the information required by 40 C.F.R. § 257.90(e) for the GMF Pond located at the DCPP near Canton, Illinois.

In accordance with 40 C.F.R. § 257.90(e), the owner or operator of a coal combustion residuals (CCR) unit must prepare an Annual Groundwater Monitoring and Corrective Action Report for the preceding calendar year that documents the status of the Groundwater Monitoring and Corrective Action Program for the CCR unit (Section 2), summarizes key actions completed (Section 3), describes any problems encountered and actions to resolve the problems (Section 4), and projects key activities for the upcoming year (Section 5). At a minimum, the annual report must contain the following information, to the extent available:

- 1. A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit (**Figure 1**).
- Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (Section 3, paragraph 1)
- 3. In addition to all the monitoring data obtained under §§ 257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the Detection Monitoring or Assessment Monitoring Programs (Section 3, Table A).
- 4. A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from Detection Monitoring to Assessment Monitoring in addition to identifying the constituent(s) detected at a statistically significant increase relative to background levels) (Section 3).
- 5. Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.
- 6. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit (see **Executive Summary**). At a minimum, the summary must specify all of the following:
 - i. At the start of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
 - ii. At the end of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in §257.94 or the Assessment Monitoring Program in §257.95.
 - iii. If it was determined that there was a statistically significant increase over background for one or more constituents listed in Appendix III of §257 pursuant to §257.94(e):
 - A. Identify those constituents listed in Appendix III of §257 and the names of the monitoring wells associated with such an increase.

- B. Provide the date when the Assessment Monitoring Program was initiated for the CCR unit.
- iv. If it was determined that there was a statistically significant level above the groundwater protection standard [GWPS] for one or more constituents listed in Appendix IV of §257 pursuant to §257.95(g) include all of the following:
 - A. Identify those constituents listed in Appendix IV of §257 and the names of the monitoring wells associated with such an increase.
 - B. Provide the date when the assessment of corrective measures was initiated for the CCR unit.
 - C. Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.
 - D. Provide the date when the assessment of corrective measures was completed for the CCR unit.
- v. Whether a remedy was selected pursuant to §257.97 during the current annual reporting period, and if so, the date of remedy selection.
- vi. Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

This report provides the required information for the GMF Pond for calendar year 2023.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

No changes have occurred to the monitoring program status in calendar year 2023 and the GMF Pond remains in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.

3. KEY ACTIONS COMPLETED IN 2023

A summary of the samples collected from background and compliance monitoring wells in 2023 under the Detection Monitoring Program is included in **Table A** on the following page. The groundwater monitoring system, including the CCR unit and all background and compliance monitoring wells, is presented in **Figure 1**. Beginning in 2023, the monitoring system was updated to be consistent with that proposed for compliance with 35 I.A.C. § 845, which includes all monitoring wells used in the 2022 40 C.F.R. § 257 monitoring system (Ramboll, 2022a). No wells were installed or decommissioned in 2023 (the wells added from the 35 I.A.C. § 845 monitoring system were installed prior to 2023).

One groundwater sample was collected from each background and compliance well during each monitoring event. The GMF Pond is also regulated under 35 I.A.C. § 845, which requires quarterly monitoring. The groundwater monitoring systems for both programs (35 I.A.C. § 845 and 40 C.F.R. § 257) are identical, so all available data from the four quarterly monitoring events in 2023 are included in this report. All samples were collected and analyzed in accordance with the Multi-Site Sampling and Analysis Plan (SAP) (Ramboll, 2023). All data collected for the 40 C.F.R. § 257 monitoring program and 40 C.F.R. § 257 Appendix III parameters that were analyzed under the 35 I.A.C. § 845 program were compared to background concentrations in accordance with 40 C.F.R. § 257.94(e)(1).

Potentiometric surfaces for the quarterly sampling events are included in **Figures 2 through 5**. All monitoring data and analytical results obtained under 40 C.F.R. § 257.90 through 257.98 and 40 C.F.R. § 257 Appendix III parameters that were analyzed under the 35 I.A.C. § 845 program in 2023 are presented in **Tables 1 and 2**. All associated laboratory reports and field data sheets are included in **Appendix A**.

Analytical data were evaluated in accordance with the Multi-Site Statistical Analysis Plan (Ramboll, 2022b), the Multi-Site Quality Assurance Project Plan (Ramboll, 2022c), and the Multi-Site Data Management Plan (Ramboll, 2022d) to determine any SSIs of Appendix III parameters greater than background values. SSIs are summarized in **Table A** and highlighted in **Table 2**. Statistical background values are provided in **Table 3**. A flow chart showing the statistical methodology for determination of background values is included as **Appendix B**.

Potential alternative sources were evaluated as outlined in the 40 C.F.R. § 257.94(e)(2). ASDs were completed in 2023 for the SSIs summarized in **Table A**. The dates the ASDs were completed are also provided in **Table A**. The ASDs were certified by a qualified professional engineer and are included in **Appendix D**. The GMF Pond remains in the Detection Monitoring Program.

Table A. 2023 Detection Monitoring Program Summary

Event ID	Sampling Dates ^{1, 2, 3}	Analytical Data Receipt Date ⁴	SSI(s) Determination Date	SSI(s)	ASD Completion Date
D11 ⁵	July 19 – 21, 2022	October 06, 2022	January 04, 2023	Calcium at wells G54S, G57S, and G60S; TDS at wells G54S, G57S, and G60S	April 04, 2023
D11R	October 26, 2022	November 30, 2022	NA	NA	NA
D12	January 11 - January 16, 2023	February 15, 2023	May 16, 2023	Calcium at wells G54S, G54L, G57S, and G60S; Chloride at well G54L; Sulfate at well G60L; TDS at wells G54S, G54L, G57S, G60S, G60L, and G64L; pH at well G60L	August 14, 2023
D12R	May 10 - May 15, 2023	July 18, 2023	NA	NA	NA
D13	July 18 - July 27, 2023	October 19, 2023	January 17, 2024	Calcium at wells G54L, G57S, and G60S; Chloride at well G54L; Sulfate at wells G54L and G60L; TDS at wells G54S, G54L, G57S, G60S, G60L, and G64L; pH at well G60L	TBD
D13R	October 19 - 20, 23, 26, 27, and 31, 2023	January 2, 2024	January 17, 2024	NA	NA

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

SSI: Statistically Significant Increase

TBD: to be determined in 2024

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¹ All samples were analyzed for Appendix III parameters listed in 40 C.F.R. § 257.94(e)

² The following background wells were sampled for each event: G02S, G50S, and G51S

³ The following compliance wells were sampled for each event: G54S, G54L, G57S, G60S, G60L, G64S, G64L

⁴ All data collected for the 40 C.F.R. § 257 monitoring program and Appendix III parameters that were analyzed under the 35 I.A.C. § 845 program were included for background calculations in accordance with 40 C.F.R. § 257.94(e)(1).

⁵ Laboratory reports for this event were included in the 2022 Annual Groundwater Monitoring and Corrective Action Report.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the groundwater monitoring program during 2023. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2024

The following key activities are planned for 2024:

- Continuation of the Detection Monitoring Program with semiannual sampling scheduled for the first and third quarters of 2024 (and sampling for 35 I.A.C. § 845 scheduled for the second and fourth quarters).
- Complete evaluation of analytical data from the compliance wells using background data to determine whether an SSI of Appendix III parameters detected at concentrations greater than background concentrations has occurred.
- If an SSI is identified, potential alternative sources (*i.e.*, a source other than the CCR unit caused the SSI or that the SSI resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
 - If an alternative source is identified to be the cause of the SSI, a written demonstration will be completed within 90 days of SSI determination and included in the 2024 Annual Groundwater Monitoring and Corrective Action Report.
 - If an alternative source(s) is not identified to be the cause of the SSI, the applicable requirements of 40 C.F.R. §§ 257.94 through 257.98 as may apply in 2024 (e.g., assessment monitoring) will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.

6. REFERENCES

Code of Federal Regulations, Title 40, Chapter I, Subchapter I, Part 257, Subpart D, Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, effective April 17, 2015. Accessed from URL https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-257/subpart-D#page-top

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022a. 40 C.F.R. § 257 Groundwater Monitoring Plan, the Gypsum Management Facility Pond, Duck Creek Power Plant, Canton, Illinois. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022b. Multi-Site Statistical Analysis Plan, 40 C.F.R. § 257. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022c. Multi-Site Quality Assurance Project Plan. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022d. Multi-Site Data Management Plan. December 28, 2022.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023. Multi-Site Sampling and Analysis Plan, Revision 1. October 10, 2023.

GROUNDWATER ELEVATION DATA
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DUCK CREEK POWER PLANT

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G02S	Background	UA	01/09/2023	13.16	608.50
G02S	Background	UA	04/08/2023	4.87	616.79
G02S	Background	UA	05/08/2023	5.57	616.09
G02S	Background	UA	07/25/2023	[10.47]	[611.19]
G02S	Background	UA	10/16/2023	14.23	607.43
G02S	Background	UA	11/20/2023	12.35	609.31
G02S	Background	UA	12/04/2023	10.71	610.95
G50S	Background	UA	01/09/2023	17.05	606.60
G50S	Background	UA	04/08/2023	10.78	612.87
G50S	Background	UA	05/08/2023	11.42	612.23
G50S	Background	UA	06/17/2023	15.08	608.56
G50S	Background	UA	07/17/2023	13.89	609.75
G50S	Background	UA	08/16/2023	13.11	610.54
G50S	Background	UA	09/16/2023	17.36	606.29
G50S	Background	UA	10/16/2023	18.80	604.85
G50S	Background	UA	11/20/2023	17.85	605.80
G50S	Background	UA	12/04/2023	15.96	607.69
G51S	Background	UA	01/09/2023	16.76	602.90
G51S	Background	UA	04/08/2023	8.58	611.07
G51S	Background	UA	05/08/2023	8.84	610.82
G51S	Background	UA	06/17/2023	16.10	603.55
G51S	Background	UA	07/17/2023	15.14	604.51
G51S	Background	UA	08/16/2023	13.92	605.74
G51S	Background	UA	09/16/2023	18.00	601.66
G51S	Background	UA	10/16/2023	19.81	599.85
G51S	Background	UA	11/20/2023	18.64	601.02
G51S	Background	UA	12/04/2023	17.80	601.86
G54L	Compliance	PMP	01/09/2023	26.95	596.00
G54L	Compliance	PMP	04/08/2023	23.09	599.86
G54L	Compliance	PMP	05/08/2023	22.31	600.64
G54L	Compliance	PMP	06/17/2023	22.38	600.57
G54L	Compliance	PMP	07/17/2023	22.52	600.42
G54L	Compliance	PMP	08/16/2023	21.85	601.10
G54L	Compliance	PMP	09/16/2023	21.52	601.43
G54L	Compliance	PMP	10/16/2023	21.89	601.06
G54L	Compliance	PMP	11/20/2023	22.85	600.10
G54L	Compliance	PMP	12/04/2023	23.32	599.63
G54S	Compliance	UA	01/09/2023	26.55	596.43
G54S	Compliance	UA	04/08/2023	24.32	598.66
G54S	Compliance	UA	05/08/2023	23.53	599.45
G54S	Compliance	UA	06/17/2023	23.65	599.32
G54S	Compliance	UA	07/17/2023	23.75	599.22
G54S	Compliance	UA	08/16/2023	23.05	599.93
G54S	Compliance	UA	09/16/2023	22.73	600.25
G54S	Compliance	UA	10/16/2023	23.12	599.86
G54S	Compliance	UA	11/20/2023	23.94	599.04
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GROUNDWATER ELEVATION DATA
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DUCK CREEK POWER PLANT

GMF POND

CANTON, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G54S	Compliance	UA	12/04/2023	24.36	598.62
G57S	Compliance	UA	01/09/2023	28.51	594.25
G57S	Compliance	UA	04/08/2023	20.42	602.34
G57S	Compliance	UA	05/08/2023	20.37	602.39
G57S	Compliance	UA	06/17/2023	22.67	600.08
G57S	Compliance	UA	07/17/2023	22.24	600.52
G57S	Compliance	UA	08/16/2023	21.61	601.14
G57S	Compliance	UA	09/16/2023	23.18	599.57
G57S	Compliance	UA	10/16/2023	24.83	597.93
G57S	Compliance	UA	11/20/2023	25.87	596.89
G57S	Compliance	UA	12/04/2023	26.24	596.52
G60L	Compliance	PMP	01/09/2023	24.15	591.24
G60L	Compliance	PMP	04/08/2023	8.49	606.90
G60L	Compliance	PMP	05/08/2023	12.10	603.29
G60L	Compliance	PMP	06/17/2023	15.93	599.46
G60L	Compliance	PMP	07/17/2023	12.01	603.38
G60L	Compliance	PMP	08/16/2023	10.25	605.14
G60L	Compliance	PMP	09/16/2023	15.40	599.99
G60L	Compliance	PMP	10/16/2023	18.65	596.74
G60L	Compliance	PMP	11/20/2023	20.90	594.49
G60L	Compliance	PMP	12/04/2023	21.58	593.81
G60S	Compliance	UA	01/09/2023	28.33	586.70
G60S	Compliance	UA	04/08/2023	24.95	590.07
G60S	Compliance	UA	05/08/2023	25.34	589.69
G60S	Compliance	UA	06/17/2023	26.23	588.80
G60S	Compliance	UA	07/17/2023	24.60	590.43
G60S	Compliance	UA	08/16/2023	26.50	588.52
G60S	Compliance	UA	09/16/2023	26.62	588.40
G60S	Compliance	UA	10/16/2023	26.67	588.36
G60S	Compliance	UA	11/20/2023	26.20	588.83
G60S	Compliance	UA	12/04/2023	23.65	591.38
G64L	Compliance	PMP	01/09/2023	26.84	595.62
G64L	Compliance	PMP	04/08/2023	20.85	601.61
G64L	Compliance	PMP	05/08/2023	20.89	601.57
G64L	Compliance	PMP	06/17/2023	22.43	600.02
G64L	Compliance	PMP	07/17/2023	22.64	599.81
G64L	Compliance	PMP	08/16/2023	22.69	599.77
G64L	Compliance	PMP	09/16/2023	23.47	598.99
G64L	Compliance	PMP	10/16/2023	24.58	597.88
G64L	Compliance	РМР	11/20/2023	25.16	597.30
G64L	Compliance	PMP	12/04/2023	25.51	596.95
G64S	Compliance	UA	01/09/2023	27.82	595.24
G64S	Compliance	UA	04/08/2023	23.54	599.52
G64S	Compliance	UA	05/08/2023	23.40	599.66
G64S	Compliance	UA	06/17/2023	24.39	598.67
G64S	Compliance	UA	07/17/2023	24.02	599.04





GROUNDWATER ELEVATION DATA

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GMF POND

CANTON, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G64S	Compliance	UA	08/16/2023	23.89	599.17
G64S	Compliance	UA	09/16/2023	24.62	598.44
G64S	Compliance	UA	10/16/2023	25.50	597.56
G64S	Compliance	UA	11/20/2023	26.02	597.04
G64S	Compliance	UA	12/04/2023	26.29	596.77

Notes:

Only wells with groundwater elevations measured are included.

BMP = below measuring point

Bracketing [] indicates that the measurement was obtained outside of the episodic depth to groundwater measurements time frame.

NAVD88 = North American Vertical Datum of 1988

Monitored Unit Abbreviations:

PMP = potential migration pathway

UA = uppermost aquifer

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ANALYTICAL RESULTS - APPENDIX III PARAMETERS
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Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G02S	UA	Background	01/11/2023	D12	Boron, total	mg/L	0.130	NA	NA
G02S	UA	Background	05/15/2023	D12R	Boron, total	mg/L	0.0640 J+	NA	NA
G02S	UA	Background	07/25/2023	D13	Boron, total	mg/L	0.0370 J+	NA	NA
G02S	UA	Background	10/19/2023	D13R	Boron, total	mg/L	0.0400	NA	NA
G02S	UA	Background	01/11/2023	D12	Calcium, total	mg/L	97.0	NA	NA
G02S	UA	Background	05/15/2023	D12R	Calcium, total	mg/L	96.0 J+	NA	NA
G02S	UA	Background	07/25/2023	D13	Calcium, total	mg/L	100	NA	NA
G02S	UA	Background	10/19/2023	D13R	Calcium, total	mg/L	96.0	NA	NA
G02S	UA	Background	01/11/2023	D12	Chloride, total	mg/L	4.8 UJ	NA	NA
G02S	UA	Background	05/15/2023	D12R	Chloride, total	mg/L	2.60	NA	NA
G02S	UA	Background	07/25/2023	D13	Chloride, total	mg/L	1.60	NA	NA
G02S	UA	Background	10/19/2023	D13R	Chloride, total	mg/L	2.30	NA	NA
G02S	UA	Background	01/11/2023	D12	Fluoride, total	mg/L	0.320	NA	NA
G02S	UA	Background	05/15/2023	D12R	Fluoride, total	mg/L	0.282	NA	NA
G02S	UA	Background	07/25/2023	D13	Fluoride, total	mg/L	0.397 J+	NA	NA
G02S	UA	Background	10/19/2023	D13R	Fluoride, total	mg/L	0.242	NA	NA
G02S	UA	Background	01/11/2023	D12	pH (field)	SU	6.6	NA	NA
G02S	UA	Background	05/15/2023	D12R	pH (field)	SU	6.8	NA	NA
G02S	UA	Background	07/25/2023	D13	pH (field)	SU	6.6	NA	NA
G02S	UA	Background	10/19/2023	D13R	pH (field)	SU	6.7	NA	NA
G02S	UA	Background	01/11/2023	D12	Sulfate, total	mg/L	0.18 U	NA	NA
G02S	UA	Background	05/15/2023	D12R	Sulfate, total	mg/L	0.19 J	NA	NA
G02S	UA	Background	07/25/2023	D13	Sulfate, total	mg/L	1 UJ	NA	NA
G02S	UA	Background	10/19/2023	D13R	Sulfate, total	mg/L	0.18 U	NA	NA
G02S	UA	Background	01/11/2023	D12	Total Dissolved Solids	mg/L	490	NA	NA
G02S	UA	Background	05/15/2023	D12R	Total Dissolved Solids	mg/L	430	NA	NA
G02S	UA	Background	07/25/2023	D13	Total Dissolved Solids	mg/L	440	NA	NA
G02S	UA	Background	10/19/2023	D13R	Total Dissolved Solids	mg/L	430	NA	NA
G50S	UA	Background	01/12/2023	D12	Boron, total	mg/L	0.0170	NA	NA
G50S	UA	Background	05/15/2023	D12R	Boron, total	mg/L	0.0300 J+	NA	NA
G50S	UA	Background	07/27/2023	D13	Boron, total	mg/L	0.0190 J+	NA	NA
G50S	UA	Background	10/23/2023	D13R	Boron, total	mg/L	0.0220 J+	NA	NA
G50S	UA	Background	01/12/2023	D12	Calcium, total	mg/L	87.0	NA	NA
G50S	UA	Background	05/15/2023	D12R	Calcium, total	mg/L	90.0 J+	NA	NA
G50S	UA	Background	07/27/2023	D13	Calcium, total	mg/L	92.0	NA	NA
G50S	UA	Background	10/23/2023	D13R	Calcium, total	mg/L	87.0	NA	NA
G50S	UA	Background	01/12/2023	D12	Chloride, total	mg/L	11.0	NA	NA
G50S	UA	Background	05/15/2023	D12R	Chloride, total	mg/L	9.50	NA	NA
G50S	UA	Background	07/27/2023	D13	Chloride, total	mg/L	13.0	NA	NA
G50S	UA	Background	10/23/2023	D13R	Chloride, total	mg/L	10.0	NA 	NA
G50S	UA	Background	01/12/2023	D12	Fluoride, total	mg/L	0.259	NA	NA
G50S	UA	Background	05/15/2023	D12R	Fluoride, total	mg/L	0.225 J	NA	NA
G50S	UA	Background	07/27/2023	D13	Fluoride, total	mg/L	0.322	NA NA	NA
G50S	UA	Background	10/23/2023	D13R	Fluoride, total	mg/L	0.202	NA NA	NA NA
G50S	UA	Background	01/12/2023	D12	pH (field)	SU	6.8	NA NA	NA NA
G50S	UA	Background	05/15/2023	D12R	pH (field)	SU	7.3	NA	NA





ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

CANTON, IL		Wall Toma	Data	Event ID	Davamatan	11	Dogult	Do alcavo un d	SSI Turns
Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G50S	UA	Background	07/27/2023	D13	pH (field)	SU	6.6	NA NA	NA NA
G50S	UA	Background	10/23/2023	D13R	pH (field)	SU	7.1	NA 	NA
G50S	UA	Background	01/12/2023	D12	Sulfate, total	mg/L	38.0	NA	NA
G50S	UA	Background	05/15/2023	D12R	Sulfate, total	mg/L	40.0	NA	NA
G50S	UA	Background	07/27/2023	D13	Sulfate, total	mg/L	48.0	NA	NA
G50S	UA	Background	10/23/2023	D13R	Sulfate, total	mg/L	42.0	NA	NA
G50S	UA	Background	01/12/2023	D12	Total Dissolved Solids	mg/L	410	NA	NA
G50S	UA	Background	05/15/2023	D12R	Total Dissolved Solids	mg/L	380	NA	NA
G50S	UA	Background	07/27/2023	D13	Total Dissolved Solids	mg/L	440	NA	NA
G50S	UA	Background	10/23/2023	D13R	Total Dissolved Solids	mg/L	610	NA	NA
G51S	UA	Background	01/12/2023	D12	Boron, total	mg/L	0.0120	NA	NA
G51S	UA	Background	05/15/2023	D12R	Boron, total	mg/L	0.0210 J+	NA	NA
G51S	UA	Background	07/18/2023	D13	Boron, total	mg/L	0.0130	NA	NA
G51S	UA	Background	10/26/2023	D13R	Boron, total	mg/L	0.01 UJ	NA	NA
G51S	UA	Background	01/12/2023	D12	Calcium, total	mg/L	94.0	NA	NA
G51S	UA	Background	05/15/2023	D12R	Calcium, total	mg/L	98.0 J+	NA	NA
G51S	UA	Background	07/18/2023	D13	Calcium, total	mg/L	98.0	NA	NA
G51S	UA	Background	10/26/2023	D13R	Calcium, total	mg/L	91.0	NA	NA
G51S	UA	Background	01/12/2023	D12	Chloride, total	mg/L	13.0	NA	NA
G51S	UA	Background	05/15/2023	D12R	Chloride, total	mg/L	12.0	NA	NA
G51S	UA	Background	07/18/2023	D13	Chloride, total	mg/L	15.0	NA	NA
G51S	UA	Background	10/26/2023	D13R	Chloride, total	mg/L	14.0	NA	NA
G51S	UA	Background	01/12/2023	D12	Fluoride, total	mg/L	0.236 J	NA	NA
G51S	UA	Background	05/15/2023	D12R	Fluoride, total	mg/L	0.206 J	NA	NA
G51S	UA	Background	07/18/2023	D13	Fluoride, total	mg/L	0.278	NA	NA
G51S	UA	Background	10/26/2023	D13R	Fluoride, total	mg/L	0.19	NA	NA
G51S	UA	Background	01/12/2023	D12	pH (field)	SU	6.4	NA	NA
G51S	UA	Background	05/15/2023	D12R	pH (field)	SU	7.1	NA	NA
G51S	UA	Background	07/18/2023	D13	pH (field)	SU	6.9	NA	NA
G51S	UA	Background	10/26/2023	D13R	pH (field)	SU	7.1	NA	NA
G51S	UA	Background	01/12/2023	D12	Sulfate, total	mg/L	51.0	NA	NA
G51S	UA	Background	05/15/2023	D12R	Sulfate, total	mg/L	56.0	NA	NA
G51S	UA	Background	07/18/2023	D13	Sulfate, total	mg/L	59.0	NA	NA
G51S	UA	Background	10/26/2023	D13R	Sulfate, total	mg/L	60.0	NA	NA
G51S	UA	Background	01/12/2023	D12	Total Dissolved Solids	mg/L	440	NA	NA
G51S	UA	Background	05/15/2023	D12R	Total Dissolved Solids	mg/L	430	NA	NA
G51S	UA	Background	07/18/2023	D13	Total Dissolved Solids	mg/L	420	NA	NA
G51S	UA	Background	10/26/2023	D13R	Total Dissolved Solids	mg/L	420	NA	NA
G54L	PMP	Compliance	01/16/2023	D12	Boron, total	mg/L	0.0120	0.0590	No Exceedance
G54L	PMP	Compliance	05/12/2023	D12R	Boron, total	mg/L	0.0950 J+	0.0590	Exceedance Not Confirmed
G54L	PMP	Compliance	07/20/2023	D13	Boron, total	mg/L	0.0320 J+	0.0590	No Exceedance
G54L	PMP	Compliance	10/27/2023	D13R	Boron, total	mg/L	0.0380 J+	0.0590	No Exceedance
G54L	PMP	Compliance	01/16/2023	D12	Calcium, total	mg/L	170	112	Confirmed
G54L	PMP	Compliance	05/12/2023	D12R	Calcium, total	mg/L	190	112	Confirmed
G54L	PMP	Compliance	07/20/2023	D13	Calcium, total	mg/L	180	112	Confirmed
G54L	PMP	Compliance	10/27/2023	D13R	Calcium, total	mg/L	190	112	Confirmed



ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
DUCK CREEK POWER PLANT

C944, PND Complained C9714/2023 D128 Charles total mg/L 33-3 22.5 Confirmed C944 PND Complained C9714/2023 D128 Charles total mg/L 33-3 22.5 Confirmed C944 PND Complained C9714/2023 D128 Charles total mg/L 43-0 27-5 Confirmed C944 PND Complained C9714/2023 D128 Charles total mg/L 10.4 D.544 No Exceedence C9714/2023 D128 Elevation, total mg/L D.540 D.544 No Exceedence C9714/2023 D128 Elevation, total mg/L D.540 No Exceedence C9714/2023 D128 D17640 SU D.550 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exceedence C9714/2023 D128 Sulfate, total mg/L D170 D170 No Exc	Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
Cartinad	G54L	PMP	Compliance	01/16/2023	D12	Chloride, total	mg/L	29.0	22.5	Confirmed
C54L P8P Compilance 10/27/2023 D13R Chorde, total mg/L 0.01 U 0.554 No Exceedance C54L P8P Compilance 0.1/16/2023 D12R Fluoride, total mg/L 0.01 U 0.554 No Exceedance C54L P8P Compilance 0.7/27/2023 D13R Fluoride, total mg/L 0.01 U 0.554 No Exceedance C54L P8P Compilance 0.7/27/2023 D13R Fluoride, total mg/L 0.204 0.564 No Exceedance C54L P8P Compilance 0.7/27/2023 D13R Fluoride, total mg/L 0.204 0.564 No Exceedance C54L P8P Compilance 0.7/27/2023 D13R Fluoride, total mg/L 0.204 0.564 No Exceedance C54L P8P Compilance 0.7/27/2023 D13R P8P P8P P8P C54/27/2023 D13R P8P P8P P8P C54/27/2023 D12R Sulfate, total mg/L D12P P7.0 P8P P8P	G54L	PMP	Compliance	05/12/2023	D12R	Chloride, total	mg/L	33.0	22.5	Confirmed
CSHL PMP Compilance 07/16/2023 D12 Pluoride, botal mg/L 0.04 U 0.384 No Exceedance CSHL PMP Compilance 07/12/2023 D13R Pluoride, botal mg/L 0.306 0.564 No Exceedance CSHL PMP Compilance 07/12/2023 D13R Pluoride, botal mg/L 0.306 0.564 No Exceedance CSHL PMP Compilance 07/12/2023 D13R Pluoride, botal mg/L 0.204 0.564 No Exceedance CSHL PMP Compilance 07/12/2023 D13R Pluoride, botal mg/L 0.204 0.564 No Exceedance CSHL PMP Compilance 07/12/2023 D13R pf (field) SU 6.5 6.577.5 No Exceedance CSHL PMP Compilance 07/12/2023 D13R pf (field) SU 6.5 6.577.5 No Exceedance CSHL PMP Compilance 07/12/2023 D13R pf (field) SU 6.5 6.577.5 No Exceedance CSHL PMP Compilance 07/12/2023 D13R pf (field) SU 6.5 6.577.5 No Exceedance CSHL PMP Compilance 07/12/2023 D12R Sulfate, total mg/L 0.70 97.0 No Exceedance CSHL PMP Compilance 07/12/2023 D12R Sulfate, total mg/L 0.70 97.0 No Exceedance CSHL PMP Compilance 07/12/2023 D12R Sulfate, total mg/L 0.97.0 SUlfate COMPILANCE CSHL PMP Compilance 07/12/2023 D12R Sulfate, total mg/L 0.97.0 SUlfate COMPILANCE CSHL PMP Compilance 07/12/2023 D12R Sulfate, total mg/L 0.90 479 Commitmed CSHL PMP Compilance 07/12/2023 D12R Sulfate, total mg/L 0.90 479 Commitmed CSHL PMP Compilance 07/12/2023 D12R Total Dissolves Solids mg/L 0.90 479 Commitmed CSHL PMP Compilance 07/12/2023 D13R Total Dissolves Solids mg/L 0.90 479 Commitmed CSHL PMP Compilance 07/12/2023 D13R Total Dissolves Solids mg/L 0.90 0.90 No Exceedance 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	G54L	PMP	Compliance	07/20/2023	D13	Chloride, total	mg/L	43.0	22.5	Confirmed
G541 PPP Compilance 05/12/2023 D12R Fluoride, total mg/l 0.188 1 0.564 No Exceedance C541 PPP Compilance 07/20/2023 D13 Fluoride, total mg/l 0.306 0.564 No Exceedance C541 PPP Compilance 07/20/2023 D13R Fluoride, total mg/l 0.306 0.564 No Exceedance C541 PPP Compilance 0.01/5/2023 D12R pri (field) SU 6.9 6.57/5 No Exceedance C541 PPP Compilance 0.5/12/2023 D12R pri (field) SU 6.5 6.5/7.5 No Exceedance C541 PPP Compilance 0.5/12/2023 D13R pri (field) SU 6.5 6.5/7.5 No Exceedance C541 PPP Compilance 0.7/20/2023 D13R pri (field) SU 6.5 6.5/7.5 No Exceedance C541 PPP Compilance 0.7/20/2023 D12R Sulfate, total mg/l S7.0 97.0 No Exceedance C541 PPP Compilance 0.7/20/2023 D12R Sulfate, total mg/l S7.0 97.0 No Exceedance C541 PPP Compilance 0.7/20/2023 D12R Sulfate, total mg/l S7.0 97.0 No Exceedance C541 PPP Compilance 0.7/20/2023 D12R Sulfate, total mg/l S7.0 97.0 No Exceedance C541 PPP Compilance 0.7/20/2023 D12R Sulfate, total mg/l S7.0 97.0 No Exceedance C541 PPP Compilance 0.7/20/2023 D12R Sulfate, total mg/l S7.0 97.0 No Exceedance C541 PPP Compilance 0.7/20/2023 D12R Total Dissolved Solids mg/l S7.0 97.0 Confirmed C541 PPP Compilance 0.7/20/2023 D12R Total Dissolved Solids mg/l S7.0 499 Confirmed C541 PPP Compilance 0.7/20/2023 D12R Total Dissolved Solids mg/l S7.0 499 Confirmed C541 PPP Compilance 0.7/20/2023 D12R Total Dissolved Solids mg/l S7.0 D1390 No Exceedance No Excee	G54L	PMP	Compliance	10/27/2023	D13R	Chloride, total	mg/L	43.0	22.5	Confirmed
G54L PMP Compliance 07/20/2023 D13 Fluoride, total mg/L 0.306 0.564 No Exceedance G54L PMP Compliance 01/16/2023 D12 pH (field) SU 6.9 6.577.5 No Exceedance G54L PMP Compliance 05/12/2023 D12 pH (field) SU 6.9 6.577.5 No Exceedance G54L PMP Compliance 05/12/2023 D13 pH (field) SU 6.5 6.577.5 No Exceedance G54L PMP Compliance 07/20/2023 D13 pH (field) SU 6.5 6.577.5 No Exceedance G54L PMP Compliance 07/20/2023 D13 pH (field) SU 6.5 6.577.5 No Exceedance G54L PMP Compliance 05/12/2023 D12 Sulfate, total mg/L B7.0 97.0 No Exceedance G54L PMP Compliance 05/12/2023 D12 Sulfate, total mg/L B7.0 97.0 No Exceedance G54L PMP Compliance 05/12/2023 D13R Sulfate, total mg/L B7.0 97.0 No Exceedance Maximum Maximum Maximum Maximum Maximum Maximum Maximum Mg/L B7.0 97.0 No Exceedance Maximum Mg/L PMP Compliance 05/12/2023 D13R Sulfate, total mg/L B7.0 97.0 Confirmed G54L PMP Compliance 01/18/2023 D12 Total Dissolved Sulfate mg/L B7.0 97.0 Confirmed G54L PMP Compliance 07/19/2033 D13R Total Dissolved Sulfate mg/L D10 97.0 Confirmed G54L PMP Compliance 07/19/2033 D13R Total Dissolved Sulfate mg/L D10 99.0 Confirmed G54L PMP Compliance 07/19/2033 D13R Total Dissolved Sulfate mg/L D10 0.0590 No Exceedance Mg/L Mg	G54L	PMP	Compliance	01/16/2023	D12	Fluoride, total	mg/L	0.04 U	0.564	No Exceedance
C5914 PMP Compliance 10/27/2023 D12R Fluoride, total mg/L 0.284 0.564 No Exceedance C594 PMP Compliance 01/16/2023 D12R pH (field) SU 6.5 6.57.5 No Exceedance C594 PMP Compliance 07/20/2023 D12R pH (field) SU 6.5 6.57.5 No Exceedance C594 PMP Compliance 07/20/2023 D12R pH (field) SU 6.5 6.57.5 No Exceedance C594 PMP Compliance 10/27/2023 D12R pH (field) SU 6.5 6.57.5 No Exceedance C594 PMP Compliance 10/27/2023 D12R pH (field) SU 6.5 6.57.5 No Exceedance C594 PMP Compliance 05/12/2023 D12R Sulfate, total mg/L 87.0 97.0 No Exceedance C594 PMP Compliance 05/12/2023 D12R Sulfate, total mg/L 120 97.0 No Exceedance C594 PMP Compliance 07/20/2023 D12R Sulfate, total mg/L 120 97.0 No Exceedance C594 PMP Compliance 07/20/2023 D12R Sulfate, total mg/L 100 97.0 Confirmed C594 PMP Compliance 01/16/2023 D12R Sulfate, total mg/L D10 97.0 Confirmed C594 PMP Compliance 01/16/2023 D12R Sulfate, total mg/L D10 97.0 Confirmed C594 PMP Compliance 01/16/2023 D12R Total Discolved Solids mg/L D10 97.0 Confirmed C594 PMP Compliance 07/20/2023 D12R Total Discolved Solids mg/L D10 97.0 Confirmed C594 PMP Compliance 07/20/2023 D12R Total Discolved Solids mg/L D10 D19 C0.000 No Exceedance C594 UA Compliance 01/16/2023 D12R Boron, total mg/L D.0010 D.000 No Exceedance C594 UA Compliance 01/16/2023 D12R Boron, total mg/L D.0010 D.000 No Exceedance C594 UA Compliance 05/12/2023 D12R Boron, total mg/L D.0010 D.0000 No Exceedance C594 UA Compliance 05/12/2023 D12R Boron, total mg/L D.0010 D10 D10 No Exceedance C594 UA Compliance 05/12/2023 D12R Calcium, total mg/L D10 D12 No Exceedance C595 UA Compliance 05/12/2023 D12R Calcium, total	G54L	PMP	Compliance	05/12/2023	D12R	Fluoride, total	mg/L	0.188 J	0.564	No Exceedance
G54L PMP Compliance 05/12/2023 D12 p11 (field) SU 6.9 6.5/7.5 No Exceedance G54L PMP Compliance 05/12/2023 D13R p41 (field) SU 6.5 6.5/7.5 No Exceedance G54L PMP Compliance 07/20/2023 D13R p41 (field) SU 6.5 6.5/7.5 No Exceedance G54L PMP Compliance 07/20/2023 D13R p41 (field) SU 6.5 6.5/7.5 No Exceedance G54L PMP Compliance 07/10/2023 D12R Sulfate, total mg/l 07.0 97.0 No Exceedance G54L PMP Compliance 05/12/2023 D12R Sulfate, total mg/l D10 97.0 No Exceedance G54L PMP Compliance 07/20/2023 D13R Sulfate, total mg/l D10 97.0 No Exceedance G54L PMP Compliance 07/20/2023 D13R Sulfate, total mg/l D10 97.0 No Exceedance G54L PMP Compliance 07/20/2023 D12R Sulfate, total mg/l D10 97.0 Confirmed G54L PMP Compliance 07/20/2023 D12R Total Dissolved Solids mg/l D10 97.0 Confirmed G54L PMP Compliance 07/20/2023 D12R Total Dissolved Solids mg/l D10 97.0 Confirmed G54L PMP Compliance 07/20/2023 D13R Total Dissolved Solids mg/l D10 499 Confirmed G54L PMP Compliance 07/20/2023 D13R Total Dissolved Solids mg/l D10 499 Confirmed G54L PMP Compliance 07/20/2023 D13R Total Dissolved Solids mg/l D10	G54L	PMP	Compliance	07/20/2023	D13	Fluoride, total	mg/L	0.306	0.564	No Exceedance
C591 PMP Compliance C5/12/2023 D13R pst (field) SU 6.5 6.5/7.5 No Exceedance C594 PMP Compliance C7/20/2023 D13R pst (field) SU 6.5 6.5/7.5 No Exceedance C594 PMP Compliance C1/27/2023 D13R pst (field) SU 6.5 6.5/7.5 No Exceedance C594 PMP Compliance C0/12/2023 D12R Sulfate, total mg/L E20 97.0 Pxceedance Nat Confirmed C594 PMP Compliance C7/20/2023 D12R Sulfate, total mg/L E20 97.0 Pxceedance Nat Confirmed C594 PMP Compliance C7/20/2023 D13R Sulfate, total mg/L E20 C7.0 Confirmed C594 PMP Compliance C7/20/2023 D13R Sulfate, total mg/L E10 C7.0 Confirmed C594 PMP Compliance C7/20/2023 D12R Total Dissolved Solids mg/L E20 C7.0 Confirmed C594 PMP Compliance C691/2/2023 D12R Total Dissolved Solids mg/L E20 C7.0 Confirmed C594 PMP Compliance C691/2/2023 D12R Total Dissolved Solids mg/L E20 C7.0 Confirmed C594 PMP Compliance C7/20/2023 D13R Total Dissolved Solids mg/L E20 C7.0 C0nfirmed C594 PMP Compliance C7/20/2023 D13R Total Dissolved Solids mg/L E20 E20 C7.0 C0nfirmed C594 PMP Compliance C7/20/2023 D13R Total Dissolved Solids mg/L E20	G54L	PMP	Compliance	10/27/2023	D13R	Fluoride, total	mg/L	0.204	0.564	No Exceedance
GS4L PMP Compliance 10/27/2023 D13 pH (field) SU 6.5 6.577.5 No Exceedance GS4L PMP Compliance 10/27/2023 D13R pH (field) SU 6.5 6.577.5 No Exceedance GS4L PMP Compliance 02/16/2023 D12R Sulfate, total mg/L 120 97.0 No Exceedance Recedence Re	G54L	PMP	Compliance	01/16/2023	D12	pH (field)	SU	6.9	6.5/7.5	No Exceedance
G54L PMP Compliance 10/27/2023 D13R pt (field) SU 6.5 6.5/2.5 No Exceedance G54L PMP Compliance 01/16/2023 D12 Sulfate, total mg/L 120 97.0 No Exceedance Not Confirmed G54L PMP Compliance 07/20/2023 D13R Sulfate, total mg/L 120 97.0 Exceedance Not Confirmed G54L PMP Compliance 10/27/2023 D13R Sulfate, total mg/L 120 97.0 Confirmed G54L PMP Compliance 10/27/2023 D13R Sulfate, total mg/L 110 97.0 Confirmed G54L PMP Compliance 10/27/2023 D12R Total Dissolved Solids mg/L 900 499 Confirmed G54L PMP Compliance 03/12/2023 D12R Total Dissolved Solids mg/L 900 499 Confirmed G54L PMP Compliance 03/12/2023 D12R Total Dissolved Solids mg/L 570 499 Confirmed G54L PMP Compliance 03/12/2023 D12R Total Dissolved Solids mg/L 570 499 Confirmed G54L PMP Compliance 03/12/2023 D12R Total Dissolved Solids mg/L 0.0330 499 Confirmed G54L PMP Compliance 03/12/2023 D12R Soron, total mg/L 0.0380 14 0.0590 No Exceedance G54S UA Compliance 03/12/2023 D13R Soron, total mg/L 0.0620 14 0.0590 No Exceedance G54S UA Compliance 03/12/2023 D13R Soron, total mg/L 0.0801 14 0.0590 No Exceedance G54S UA Compliance 03/12/2023 D13R Soron, total mg/L 0.0480 14 0.0590 No Exceedance G54S UA Compliance 03/12/2023 D13R Soron, total mg/L 110 112 Confirmed G54S UA Compliance 03/12/2023 D13R Calcium, total mg/L 110 112 No Exceedance G54S UA Compliance 03/12/2023 D13R Calcium, total mg/L 120 112 Confirmed G54S UA Compliance 03/12/2023 D13R Calcium, total mg/L 1.080 1.0590 No Exceedance G54S UA Compliance 03/12/2023 D13R Calcium, total mg/L 1.080 0.0590 No Exceedance G54S UA Compliance 03/12/2023 D13R Calcium, total mg/L 1.080 0.0590 No Exceedance G54S	G54L	PMP	Compliance	05/12/2023	D12R	pH (field)	SU	6.5	6.5/7.5	No Exceedance
G54L PMP Compliance O1/16/2023 D12 Sulfate, total mg/L 120 97.0 No Exceedance C54L PMP Compliance O5/12/2023 D12R Sulfate, total mg/L 120 97.0 Procedance PMP Compliance O7/20/2023 D13R Sulfate, total mg/L 120 97.0 Procedance O7/20/2023 D13R Sulfate, total mg/L 120 97.0 Confirmed O54L PMP Compliance O1/16/2023 D12R Total Dissolved Solids mg/L D00 D199 Confirmed O54L PMP Compliance O5/12/2023 D12R Total Dissolved Solids mg/L D100 D199 Confirmed O54L PMP Compliance O5/12/2023 D13R Total Dissolved Solids mg/L D100 D100 D100 Confirmed O54L PMP Compliance O7/20/2023 D13R Total Dissolved Solids mg/L D100 D100 D100 Confirmed O54L PMP Compliance O7/20/2023 D13R Total Dissolved Solids mg/L D100 D100 D100 Confirmed O54L PMP Compliance O7/20/2023 D12R Boron, total mg/L D100 D10	G54L	PMP	Compliance	07/20/2023	D13	pH (field)	SU	6.5	6.5/7.5	No Exceedance
C54L PMP Compliance D3/12/2023 D12R Sulfate, total mg/L 120 97.0 Recedence C54L PMP Compliance D1/27/2023 D13R Sulfate, total mg/L 110 97.0 Confirmed C54L PMP Compliance D1/27/2023 D12R Total Dissolved Solids mg/L 500 499 Confirmed C54L PMP Compliance D3/12/2023 D12R Total Dissolved Solids mg/L 520 499 Confirmed C54L PMP Compliance D1/27/2023 D13R Total Dissolved Solids mg/L 520 499 Confirmed C54L PMP Compliance D1/27/2023 D13R Total Dissolved Solids mg/L 520 499 Confirmed C54L PMP Compliance D1/16/2023 D13R Total Dissolved Solids mg/L 520 499 Confirmed C54S UA Compliance D1/16/2023 D12R Boron, total mg/L 0.0310 0.0590 No Exceedance C54S UA Compliance D1/16/2023 D12R Boron, total mg/L 0.0620 J 0.0590 No Exceedance C54S UA Compliance D1/27/2023 D13R Boron, total mg/L 0.0620 J 0.0590 No Exceedance C54S UA Compliance D1/27/2023 D13R Boron, total mg/L 0.0480 J 0.0590 No Exceedance C54S UA Compliance D1/27/2023 D12R Calcium, total mg/L 0.0480 J 0.0590 No Exceedance C54S UA Compliance D1/27/2023 D13R Calcium, total mg/L 120 112 Confirmed C54S UA Compliance D1/27/2023 D13R Calcium, total mg/L 130 112 Confirmed C54S UA Compliance D1/27/2023 D13R Calcium, total mg/L 130 112 No Exceedance C54S UA Compliance D1/27/2023 D13R Calcium, total mg/L 4.8 U 2.2.5 No Exceedance C54S UA Compliance D1/26/2023 D12R Chloride, total mg/L 4.8 U 2.2.5 No Exceedance C54S UA Compliance D1/26/2023 D12R Chloride, total mg/L 4.50 22.5 No Exceedance C54S UA Compliance D1/27/2023 D13R Chloride, total mg/L 0.04 U 0.564 No Exceedance C54S UA Compliance D3/27/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance C54S UA Compliance D3/27	G54L	PMP	Compliance	10/27/2023	D13R	pH (field)	SU	6.5	6.5/7.5	No Exceedance
C541 PMP Compliance U9/12/2023 D12 Sulfate, total mg/L 120 97.0 Rol Confirmed	G54L	PMP	Compliance	01/16/2023	D12	Sulfate, total	mg/L	87.0	97.0	No Exceedance
C54L PMP Compliance 10/27/2023 D13R Sulfate, total mg/L 110 97.0 Confirmed G54L PMP Compliance 01/16/2023 D12 Total Dissolved Solids mg/L 900 499 Confirmed G54L PMP Compliance 05/12/2023 D13R Total Dissolved Solids mg/L 1,00 499 Confirmed G54L PMP Compliance 10/27/2023 D13R Total Dissolved Solids mg/L 1,100 499 Confirmed G54S UA Compliance 01/16/2023 D12 Boron, total mg/L 0.0300 0.0590 No Exceedance G54S UA Compliance 07/20/2023 D13 Boron, total mg/L 0.0809 No Exceedance G54S UA Compliance 10/27/2023 D13 Boron, total mg/L 0.0480 1+ 0.0590 No Exceedance G54S UA Compliance 10/21/2023 D12 Calcium, total mg/L <td>G54L</td> <td>PMP</td> <td>Compliance</td> <td>05/12/2023</td> <td>D12R</td> <td>Sulfate, total</td> <td>mg/L</td> <td>120</td> <td>97.0</td> <td></td>	G54L	PMP	Compliance	05/12/2023	D12R	Sulfate, total	mg/L	120	97.0	
GS4L PMP Compilance 01/16/2023 D12 Total Dissolved Solids mg/L 900 499 Confirmed GS4L PMP Compilance 05/12/2023 D12R Total Dissolved Solids mg/L 520 499 Confirmed GS4L PMP Compilance 07/20/2023 D13 Total Dissolved Solids mg/L 1,100 J 499 Confirmed GS4S UA Compilance 01/16/2023 D12 Boron, total mg/L 0.0310 0.0990 No Exceedance GS4S UA Compilance 05/12/2023 D12R Boron, total mg/L 0.0890 No Exceedance GS4S UA Compilance 07/20/2023 D13R Boron, total mg/L 0.0380 J+ 0.0990 No Exceedance GS4S UA Compilance 07/20/2023 D13R Boron, total mg/L 0.0480 J+ 0.0990 No Exceedance GS4S UA Compilance 01/16/2023 D12 Calcium, total	G54L	PMP	Compliance	07/20/2023	D13	Sulfate, total	mg/L	120	97.0	Confirmed
654L PMP Compliance 05/12/2023 D12R Total Dissolved Solids mg/L 520 499 Confirmed 654L PMP Compliance 07/20/2023 D13 Total Dissolved Solids mg/L 1,100 1 499 Confirmed 654L PMP Compliance 10/27/2023 D12R Boron, total mg/L 0.0310 0.0590 No Exceedance 654S UA Compliance 05/12/2023 D12R Boron, total mg/L 0.0380 1+ 0.0590 No Exceedance 654S UA Compliance 07/20/2023 D13R Boron, total mg/L 0.0380 1+ 0.0590 No Exceedance 654S UA Compliance 10/27/2023 D13R Boron, total mg/L 0.0480 1+ 0.0590 No Exceedance 654S UA Compliance 01/16/2023 D12R Calcium, total mg/L 130 112 Confirmed 654S UA Compliance 07/20/2023 D13R Calciu	G54L	PMP	Compliance	10/27/2023	D13R	Sulfate, total	mg/L	110	97.0	Confirmed
654L PMP Compliance 07/20/2023 D13 Total Dissolved Solids mg/L 1,100 J 499 Confirmed 654L PMP Compliance 10/27/2023 D13R Total Dissolved Solids mg/L 930 499 Confirmed 654S UA Compliance 01/16/2023 D12 Boron, total mg/L 0.0310 0.0590 No Exceedance 654S UA Compliance 07/20/2023 D13 Boron, total mg/L 0.0380 1+ 0.0590 No Exceedance 654S UA Compliance 10/27/2023 D13R Boron, total mg/L 0.0480 1+ 0.0590 No Exceedance 654S UA Compliance 01/16/2023 D12 Calcium, total mg/L 120 112 Confirmed 654S UA Compliance 05/12/2023 D12R Calcium, total mg/L 130 112 Confirmed 654S UA Compliance 07/20/2023 D13R Calcium, total	G54L	PMP	Compliance	01/16/2023	D12	Total Dissolved Solids	mg/L	900	499	Confirmed
654L PMP Compliance 10/27/2023 D13R Total Dissolved Solids mg/L 930 499 Confirmed G54S UA Compliance 01/16/2023 D12 Boron, total mg/L 0.0310 0.0590 No Exceedance G54S UA Compliance 05/12/2023 D13R Boron, total mg/L 0.0620 J+ 0.0590 No Exceedance G54S UA Compliance 10/27/2023 D13R Boron, total mg/L 0.0380 J+ 0.0590 No Exceedance G54S UA Compliance 10/27/2023 D13R Boron, total mg/L 0.0480 J+ 0.0590 No Exceedance G54S UA Compliance 01/16/2023 D12R Calcium, total mg/L 130 112 Confirmed G54S UA Compliance 07/20/2023 D13R Calcium, total mg/L 110 112 No Exceedance G54S UA Compliance 01/16/2023 D13R Calcium, total </td <td>G54L</td> <td>PMP</td> <td>Compliance</td> <td>05/12/2023</td> <td>D12R</td> <td>Total Dissolved Solids</td> <td>mg/L</td> <td>520</td> <td>499</td> <td>Confirmed</td>	G54L	PMP	Compliance	05/12/2023	D12R	Total Dissolved Solids	mg/L	520	499	Confirmed
654S UA Compliance 01/16/2023 D12 Boron, total mg/L 0.0310 0.0590 No Exceedance Rxceedance Not Confirmed 654S UA Compliance 05/12/2023 D12R Boron, total mg/L 0.0620 J+ 0.0590 Exceedance Not Confirmed 654S UA Compliance 10/27/2023 D13R Boron, total mg/L 0.0480 J+ 0.0590 No Exceedance Not Confirmed 654S UA Compliance 01/16/2023 D12R Calcium, total mg/L 1.00480 J+ 0.0590 No Exceedance Not Confirmed 654S UA Compliance 05/12/2023 D12R Calcium, total mg/L 130 112 Confirmed 654S UA Compliance 07/20/2023 D13R Calcium, total mg/L 110 112 No Exceedance Not Confirmed 654S UA Compliance 01/16/2023 D13R Calcium, total mg/L 120 112 Exceedance Not Confirmed 654S UA Complia	G54L	PMP	Compliance	07/20/2023	D13	Total Dissolved Solids	mg/L	1,100 J	499	Confirmed
G54S UA Compliance 05/12/2023 D12R Boron, total mg/L 0.0620 J+ 0.0590 Exceedance Not Confirmed G54S UA Compliance 07/20/2023 D13 Boron, total mg/L 0.0380 J+ 0.0590 No Exceedance G54S UA Compliance 01/16/2023 D12 Calcium, total mg/L 1.00 112 Confirmed G54S UA Compliance 05/12/2023 D12 Calcium, total mg/L 120 112 Confirmed G54S UA Compliance 05/12/2023 D12R Calcium, total mg/L 110 112 No Exceedance G54S UA Compliance 10/27/2023 D13 Calcium, total mg/L 120 112 Exceedance G54S UA Compliance 10/16/2023 D12 Chloride, total mg/L 1.8 U 22.5 No Exceedance G54S UA Compliance 10/16/2023 D12 Chloride, total	G54L	PMP	Compliance	10/27/2023	D13R	Total Dissolved Solids	mg/L	930	499	Confirmed
G545	G54S	UA	Compliance	01/16/2023	D12	Boron, total	mg/L	0.0310	0.0590	No Exceedance
G54S UA Compliance 10/27/2023 D13R Boron, total mg/L 0.0480 J+ 0.0590 No Exceedance G54S UA Compliance 01/16/2023 D12 Calcium, total mg/L 120 112 Confirmed G54S UA Compliance 05/12/2023 D13R Calcium, total mg/L 110 112 No Exceedance G54S UA Compliance 07/20/2023 D13R Calcium, total mg/L 110 112 No Exceedance G54S UA Compliance 10/27/2023 D13R Calcium, total mg/L 120 112 Exceedance G54S UA Compliance 01/16/2023 D12 Chloride, total mg/L 4.8 U 22.5 No Exceedance G54S UA Compliance 07/20/2023 D13R Chloride, total mg/L 4.8 U 22.5 No Exceedance G54S UA Compliance 07/20/2023 D13R Chloride, total mg	G54S	UA	Compliance	05/12/2023	D12R	Boron, total	mg/L	0.0620 J+	0.0590	
654S UA Compliance 01/16/2023 D12 Calcium, total mg/L 120 112 Confirmed 654S UA Compliance 05/12/2023 D12R Calcium, total mg/L 130 112 Confirmed 654S UA Compliance 07/20/2023 D13R Calcium, total mg/L 110 112 No Exceedance 654S UA Compliance 10/27/2023 D12 Chloride, total mg/L 3.70 22.5 No Exceedance 654S UA Compliance 05/12/2023 D12R Chloride, total mg/L 4.8 U 22.5 No Exceedance 654S UA Compliance 07/20/2023 D13 Chloride, total mg/L 4.50 22.5 No Exceedance 654S UA Compliance 07/20/2023 D13R Chloride, total mg/L 4.50 22.5 No Exceedance 654S UA Compliance 01/16/2023 D12 Fluoride, total mg/L <td>G54S</td> <td>UA</td> <td>Compliance</td> <td>07/20/2023</td> <td>D13</td> <td>Boron, total</td> <td>mg/L</td> <td>0.0380 J+</td> <td>0.0590</td> <td>No Exceedance</td>	G54S	UA	Compliance	07/20/2023	D13	Boron, total	mg/L	0.0380 J+	0.0590	No Exceedance
G54S UA Compliance 05/12/2023 D12R Calcium, total mg/L 130 112 Confirmed G54S UA Compliance 07/20/2023 D13 Calcium, total mg/L 110 112 No Exceedance G54S UA Compliance 10/27/2023 D13R Calcium, total mg/L 120 112 Exceedance Not Confirmed G54S UA Compliance 01/16/2023 D12 Chloride, total mg/L 3.70 22.5 No Exceedance G54S UA Compliance 05/12/2023 D12R Chloride, total mg/L 4.8 U 22.5 No Exceedance G54S UA Compliance 10/27/2023 D13R Chloride, total mg/L 4.50 22.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Fluoride, total mg/L 4.50 22.5 No Exceedance G54S UA Compliance 05/12/2023 D12R Fluoride, total	G54S	UA	Compliance	10/27/2023	D13R	Boron, total	mg/L	0.0480 J+	0.0590	No Exceedance
G54S UA Compliance 07/20/2023 D13 Calcium, total mg/L 110 112 No Exceedance Not Confirmed G54S UA Compliance 10/27/2023 D13R Calcium, total mg/L 120 112 Exceedance Not Confirmed G54S UA Compliance 01/16/2023 D12 Chloride, total mg/L 3.70 22.5 No Exceedance G54S UA Compliance 05/12/2023 D12R Chloride, total mg/L 4.8 U 22.5 No Exceedance G54S UA Compliance 07/20/2023 D13R Chloride, total mg/L 4.50 22.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Fluoride, total mg/L 4.50 22.5 No Exceedance G54S UA Compliance 05/12/2023 D12R Fluoride, total mg/L 0.186 J 0.564 No Exceedance G54S UA Compliance 07/20/2023 D13	G54S	UA	Compliance	01/16/2023	D12	Calcium, total	mg/L	120	112	Confirmed
G54S	G54S	UA	Compliance	05/12/2023	D12R	Calcium, total	mg/L	130	112	Confirmed
G54S	G54S	UA	Compliance	07/20/2023	D13	Calcium, total	mg/L	110	112	No Exceedance
G54S UA Compliance 05/12/2023 D12R Chloride, total mg/L 4.8 U 22.5 No Exceedance G54S UA Compliance 07/20/2023 D13 Chloride, total mg/L 6.40 22.5 No Exceedance G54S UA Compliance 10/27/2023 D13R Chloride, total mg/L 4.50 22.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Fluoride, total mg/L 0.04 U 0.564 No Exceedance G54S UA Compliance 05/12/2023 D12R Fluoride, total mg/L 0.186 J 0.564 No Exceedance G54S UA Compliance 07/20/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance G54S UA Compliance 01/16/2023 D12 pH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 05/12/2023 D12R pH (field)	G54S	UA	Compliance	10/27/2023	D13R	Calcium, total	mg/L	120	112	
G54S UA Compliance 07/20/2023 D13 Chloride, total mg/L 6.40 22.5 No Exceedance G54S UA Compliance 10/27/2023 D13R Chloride, total mg/L 4.50 22.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Fluoride, total mg/L 0.04 U 0.564 No Exceedance G54S UA Compliance 05/12/2023 D12R Fluoride, total mg/L 0.186 J 0.564 No Exceedance G54S UA Compliance 07/20/2023 D13 Fluoride, total mg/L 0.374 0.564 No Exceedance G54S UA Compliance 10/27/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance G54S UA Compliance 01/16/2023 D12 pH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 07/20/2023 D13 pH (field)	G54S	UA	Compliance	01/16/2023	D12	Chloride, total	mg/L	3.70	22.5	No Exceedance
G54S UA Compliance 10/27/2023 D13R Chloride, total mg/L 4.50 22.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Fluoride, total mg/L 0.04 U 0.564 No Exceedance G54S UA Compliance 05/12/2023 D12R Fluoride, total mg/L 0.186 J 0.564 No Exceedance G54S UA Compliance 07/20/2023 D13 Fluoride, total mg/L 0.374 0.564 No Exceedance G54S UA Compliance 10/27/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance G54S UA Compliance 10/27/2023 D12R PH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 05/12/2023 D12R PH (field) SU 6.7 6.5/7.5 No Exceedance G54S UA Compliance 07/20/2023 D13R PH (field)	G54S	UA	Compliance	05/12/2023	D12R	Chloride, total	mg/L	4.8 U	22.5	No Exceedance
G54S UA Compliance 01/16/2023 D12 Fluoride, total mg/L 0.04 U 0.564 No Exceedance G54S UA Compliance 05/12/2023 D12R Fluoride, total mg/L 0.186 J 0.564 No Exceedance G54S UA Compliance 07/20/2023 D13 Fluoride, total mg/L 0.374 0.564 No Exceedance G54S UA Compliance 10/27/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance G54S UA Compliance 10/27/2023 D12 pH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 05/12/2023 D12R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 10/27/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total	G54S	UA	Compliance	07/20/2023	D13	Chloride, total	mg/L	6.40	22.5	No Exceedance
G54S UA Compliance 05/12/2023 D12R Fluoride, total mg/L 0.186 J 0.564 No Exceedance G54S UA Compliance 07/20/2023 D13 Fluoride, total mg/L 0.374 0.564 No Exceedance G54S UA Compliance 10/27/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance G54S UA Compliance 01/16/2023 D12 pH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 05/12/2023 D12R pH (field) SU 6.7 6.5/7.5 No Exceedance G54S UA Compliance 07/20/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/	G54S	UA	Compliance	10/27/2023	D13R	Chloride, total	mg/L	4.50	22.5	No Exceedance
G54S UA Compliance 07/20/2023 D13 Fluoride, total mg/L 0.374 0.564 No Exceedance G54S UA Compliance 10/27/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance G54S UA Compliance 01/16/2023 D12 pH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 05/12/2023 D12R pH (field) SU 6.7 6.5/7.5 No Exceedance G54S UA Compliance 07/20/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 10/27/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/L 30.0 97.0 No Exceedance G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L <td>G54S</td> <td>UA</td> <td>Compliance</td> <td>01/16/2023</td> <td>D12</td> <td>Fluoride, total</td> <td>mg/L</td> <td>0.04 U</td> <td>0.564</td> <td>No Exceedance</td>	G54S	UA	Compliance	01/16/2023	D12	Fluoride, total	mg/L	0.04 U	0.564	No Exceedance
G54S UA Compliance 10/27/2023 D13R Fluoride, total mg/L 0.187 0.564 No Exceedance G54S UA Compliance 01/16/2023 D12 pH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 05/12/2023 D12R pH (field) SU 6.7 6.5/7.5 No Exceedance G54S UA Compliance 07/20/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 10/27/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/L 30.0 97.0 No Exceedance G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L 36.0 97.0 No Exceedance G54S UA Compliance 07/20/2023 D13R Sulfate, total mg/L	G54S	UA	Compliance	05/12/2023	D12R	Fluoride, total	mg/L	0.186 J	0.564	No Exceedance
G54S UA Compliance 01/16/2023 D12 pH (field) SU 6.9 6.5/7.5 No Exceedance G54S UA Compliance 05/12/2023 D12R pH (field) SU 6.7 6.5/7.5 No Exceedance G54S UA Compliance 07/20/2023 D13 pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 10/27/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/L 30.0 97.0 No Exceedance G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L 31.0 97.0 No Exceedance G54S UA Compliance 07/20/2023 D13 Sulfate, total mg/L 33.0 97.0 No Exceedance G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L	G54S	UA	Compliance	07/20/2023	D13	Fluoride, total	mg/L	0.374	0.564	No Exceedance
G54S UA Compliance 05/12/2023 D12R pH (field) SU 6.7 6.5/7.5 No Exceedance G54S UA Compliance 07/20/2023 D13 pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 10/27/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/L 30.0 97.0 No Exceedance G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L 31.0 97.0 No Exceedance G54S UA Compliance 07/20/2023 D13 Sulfate, total mg/L 36.0 97.0 No Exceedance G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L 33.0 97.0 No Exceedance	G54S	UA	Compliance	10/27/2023	D13R	Fluoride, total	mg/L	0.187	0.564	No Exceedance
G54S UA Compliance 07/20/2023 D13 pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 10/27/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/L 30.0 97.0 No Exceedance G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L 31.0 97.0 No Exceedance G54S UA Compliance 07/20/2023 D13 Sulfate, total mg/L 36.0 97.0 No Exceedance G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L 33.0 97.0 No Exceedance	G54S	UA	Compliance	01/16/2023	D12	pH (field)	SU	6.9	6.5/7.5	No Exceedance
G54S UA Compliance 10/27/2023 D13R pH (field) SU 6.8 6.5/7.5 No Exceedance G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/L 30.0 97.0 No Exceedance G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L 31.0 97.0 No Exceedance G54S UA Compliance 07/20/2023 D13 Sulfate, total mg/L 36.0 97.0 No Exceedance G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L 33.0 97.0 No Exceedance	G54S	UA	Compliance	05/12/2023	D12R	pH (field)	SU	6.7	6.5/7.5	No Exceedance
G54S UA Compliance 01/16/2023 D12 Sulfate, total mg/L 30.0 97.0 No Exceedance G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L 31.0 97.0 No Exceedance G54S UA Compliance 07/20/2023 D13 Sulfate, total mg/L 36.0 97.0 No Exceedance G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L 33.0 97.0 No Exceedance	G54S	UA	Compliance	07/20/2023	D13	pH (field)	SU	6.8	6.5/7.5	No Exceedance
G54S UA Compliance 05/12/2023 D12R Sulfate, total mg/L 31.0 97.0 No Exceedance G54S UA Compliance 07/20/2023 D13 Sulfate, total mg/L 36.0 97.0 No Exceedance G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L 33.0 97.0 No Exceedance	G54S	UA	Compliance	10/27/2023	D13R	pH (field)	SU	6.8	6.5/7.5	No Exceedance
G54S UA Compliance 07/20/2023 D13 Sulfate, total mg/L 36.0 97.0 No Exceedance G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L 33.0 97.0 No Exceedance	G54S	UA	Compliance	01/16/2023	D12	Sulfate, total	mg/L	30.0	97.0	No Exceedance
G54S UA Compliance 10/27/2023 D13R Sulfate, total mg/L 33.0 97.0 No Exceedance	G54S	UA	Compliance	05/12/2023	D12R	Sulfate, total	mg/L	31.0	97.0	No Exceedance
	G54S	UA	Compliance	07/20/2023	D13	Sulfate, total	mg/L	36.0	97.0	No Exceedance
G54S UA Compliance 01/16/2023 D12 Total Dissolved Solids mg/L 580 499 Confirmed	G54S	UA	Compliance	10/27/2023	D13R	Sulfate, total	mg/L	33.0	97.0	No Exceedance
	G54S	UA	Compliance	01/16/2023	D12	Total Dissolved Solids	mg/L	580	499	Confirmed



ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

GMF POND

CANTON, IL Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G54S	UA	Compliance	05/12/2023	D12R	Total Dissolved Solids	mg/L	540	499	Confirmed
G54S	UA	Compliance	07/20/2023	D13	Total Dissolved Solids	mg/L	610 J	499	Confirmed
G54S	UA	Compliance	10/27/2023	D13R	Total Dissolved Solids	mg/L	550	499	Confirmed
G57S	UA	Compliance	01/12/2023	D12	Boron, total	mg/L	0.0092 J	0.0590	No Exceedance
G57S	UA	Compliance	05/11/2023	D12R	Boron, total	mg/L	0.01 UJ	0.0590	No Exceedance
G57S	UA	Compliance	07/20/2023	D13	Boron, total	mg/L	0.0130 J+	0.0590	No Exceedance
G57S	UA	Compliance	10/20/2023	D13R	Boron, total	mg/L	0.0086	0.0590	No Exceedance
G57S	UA	Compliance	01/12/2023	D12	Calcium, total	mg/L	160	112	Confirmed
G57S	UA	Compliance	05/11/2023	D12R	Calcium, total	mg/L	170	112	Confirmed
G57S	UA	Compliance	07/20/2023	D13	Calcium, total	mg/L	150	112	Confirmed
G57S	UA	Compliance	10/20/2023	D13R	Calcium, total	mg/L	170	112	Confirmed
G57S	UA	Compliance	01/12/2023	D12	Chloride, total	mg/L	18.0	22.5	No Exceedance
G57S	UA	Compliance	05/11/2023	D12R	Chloride, total	mg/L	16.0	22.5	No Exceedance
G57S	UA	Compliance	07/20/2023	D13	Chloride, total	mg/L	20.0	22.5	No Exceedance
G57S	UA	Compliance	10/20/2023	D13R	Chloride, total	mg/L	15.0	22.5	No Exceedance
G57S	UA	Compliance	01/12/2023	D12	Fluoride, total	mg/L	0.279	0.564	No Exceedance
G57S	UA	Compliance	05/11/2023	D12R	Fluoride, total	mg/L	0.243 J	0.564	No Exceedance
G57S	UA	Compliance	07/20/2023	D13	Fluoride, total	mg/L	0.253	0.564	No Exceedance
G57S	UA	Compliance	10/20/2023	D13R	Fluoride, total	mg/L	0.2	0.564	No Exceedance
G57S	UA	Compliance	01/12/2023	D12	pH (field)	SU	6.7	6.5/7.5	No Exceedance
G57S	UA	Compliance	05/11/2023	D12R	pH (field)	SU	6.9	6.5/7.5	No Exceedance
G57S	UA	Compliance	07/20/2023	D13	pH (field)	SU	6.7	6.5/7.5	No Exceedance
G57S	UA	Compliance	10/20/2023	D13R	pH (field)	SU	6.4	6.5/7.5	Exceedance Not Confirmed
G57S	UA	Compliance	01/12/2023	D12	Sulfate, total	mg/L	49.0	97.0	No Exceedance
G57S	UA	Compliance	05/11/2023	D12R	Sulfate, total	mg/L	49.0	97.0	No Exceedance
G57S	UA	Compliance	07/20/2023	D13	Sulfate, total	mg/L	49.0	97.0	No Exceedance
G57S	UA	Compliance	10/20/2023	D13R	Sulfate, total	mg/L	46.0	97.0	No Exceedance
G57S	UA	Compliance	01/12/2023	D12	Total Dissolved Solids	mg/L	780	499	Confirmed
G57S	UA	Compliance	05/11/2023	D12R	Total Dissolved Solids	mg/L	890 J+	499	Confirmed
G57S	UA	Compliance	07/20/2023	D13	Total Dissolved Solids	mg/L	930 J	499	Confirmed
G57S	UA	Compliance	10/20/2023	D13R	Total Dissolved Solids	mg/L	820	499	Confirmed
G60L	PMP	Compliance	01/12/2023	D12	Boron, total	mg/L	0.0280	0.0590	No Exceedance
G60L	PMP	Compliance	05/12/2023	D12R	Boron, total	mg/L	0.0420 J+	0.0590	No Exceedance
G60L	PMP	Compliance	07/20/2023	D13	Boron, total	mg/L	0.0310 J+	0.0590	No Exceedance
G60L	PMP	Compliance	10/23/2023	D13R	Boron, total	mg/L	0.0280 J+	0.0590	No Exceedance
G60L	PMP	Compliance	01/12/2023	D12	Calcium, total	mg/L	110	112	No Exceedance
G60L	PMP	Compliance	05/12/2023	D12R	Calcium, total	mg/L	100	112	No Exceedance
G60L	PMP	Compliance	07/20/2023	D13	Calcium, total	mg/L	87.0	112	No Exceedance
G60L	PMP	Compliance	10/23/2023	D13R	Calcium, total	mg/L	91.0	112	No Exceedance
G60L	PMP	Compliance	01/12/2023	D12	Chloride, total	mg/L	15.0	22.5	No Exceedance
G60L	PMP	Compliance	05/12/2023	D12R	Chloride, total	mg/L	11.0	22.5	No Exceedance
G60L	PMP	Compliance	07/20/2023	D13	Chloride, total	mg/L	12.0	22.5	No Exceedance
G60L	PMP	Compliance	10/23/2023	D13R	Chloride, total	mg/L	9.30	22.5	No Exceedance
G60L	PMP	Compliance	01/12/2023	D12	Fluoride, total	mg/L	0.105 J	0.564	No Exceedance
G60L	PMP	Compliance	05/12/2023	D12R	Fluoride, total	mg/L	0.072 J	0.564	No Exceedance
G60L	PMP	Compliance	07/20/2023	D13	Fluoride, total	mg/L	0.198 J	0.564	No Exceedance



ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

CANTON, IL Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G60L	PMP	Compliance	10/23/2023	D13R	Fluoride, total	mg/L	0.0733	0.564	No Exceedance
G60L	PMP	Compliance	01/12/2023	D12	pH (field)	SU	5.9	6.5/7.5	Confirmed
G60L	PMP	Compliance	05/12/2023	D12R	pH (field)	SU	6.0	6.5/7.5	Confirmed
G60L	PMP	Compliance	07/20/2023	D13	pH (field)	SU	5.8	6.5/7.5	Confirmed
G60L	PMP	Compliance	10/23/2023	D13R	pH (field)	SU	6.0	6.5/7.5	Confirmed
G60L	PMP	Compliance	01/12/2023	D12	Sulfate, total	mg/L	150	97.0	Confirmed
G60L	PMP	Compliance	05/12/2023	D12R	Sulfate, total	mg/L	160	97.0	Confirmed
G60L	PMP	Compliance	07/20/2023	D13	Sulfate, total	mg/L	190	97.0	Confirmed
G60L	PMP	Compliance	10/23/2023	D13R	Sulfate, total	mg/L	170	97.0	Confirmed
G60L	PMP	Compliance	01/12/2023	D12	Total Dissolved Solids	mg/L	630	499	Confirmed
G60L	PMP	Compliance	05/12/2023	D12R	Total Dissolved Solids	mg/L	510	499	Confirmed
G60L	PMP	Compliance	07/20/2023	D13	Total Dissolved Solids	mg/L	660	499	Confirmed
G60L	PMP	Compliance	10/23/2023	D13R	Total Dissolved Solids	mg/L	600	499	Confirmed
G60S	UA	Compliance	01/12/2023	D12	Boron, total	mg/L	0.0210	0.0590	No Exceedance
G60S	UA	Compliance	05/12/2023	D12R	Boron, total	mg/L	0.0300 J+	0.0590	No Exceedance
G60S	UA	Compliance	07/20/2023	D13	Boron, total	mg/L	0.0310 J+	0.0590	No Exceedance
G60S	UA	Compliance	10/31/2023	D13R	Boron, total	mg/L	0.0380 J+	0.0590	No Exceedance
G60S	UA	Compliance	01/12/2023	D12	Calcium, total	mg/L	170	112	Confirmed
G60S	UA	Compliance	05/12/2023	D12R	Calcium, total	mg/L	140	112	Confirmed
G60S	UA	Compliance	07/20/2023	D13	Calcium, total	mg/L	130	112	Confirmed
G60S	UA	Compliance	10/31/2023	D13R	Calcium, total	mg/L	180	112	Confirmed
G60S	UA	Compliance	01/12/2023	D12	Chloride, total	mg/L	8.40 B	22.5	No Exceedance
G60S	UA	Compliance	05/12/2023	D12R	Chloride, total	mg/L	7.00	22.5	No Exceedance
G60S	UA	Compliance	07/20/2023	D13	Chloride, total	mg/L	5.70	22.5	No Exceedance
G60S	UA	Compliance	10/31/2023	D13R	Chloride, total	mg/L	8.40	22.5	No Exceedance
G60S	UA	Compliance	01/12/2023	D12	Fluoride, total	mg/L	0.226 J	0.564	No Exceedance
G60S	UA	Compliance	05/12/2023	D12R	Fluoride, total	mg/L	0.179 J	0.564	No Exceedance
G60S	UA	Compliance	07/20/2023	D13	Fluoride, total	mg/L	0.328	0.564	No Exceedance
G60S	UA	Compliance	10/31/2023	D13R	Fluoride, total	mg/L	0.162	0.564	No Exceedance
G60S	UA	Compliance	01/12/2023	D12	pH (field)	SU	6.7	6.5/7.5	No Exceedance
G60S	UA	Compliance	05/12/2023	D12R	pH (field)	SU	6.8	6.5/7.5	No Exceedance
G60S	UA	Compliance	07/20/2023	D13	pH (field)	SU	6.7	6.5/7.5	No Exceedance
G60S	UA	Compliance	10/31/2023	D13R	pH (field)	SU	6.6	6.5/7.5	No Exceedance
G60S	UA	Compliance	01/12/2023	D12	Sulfate, total	mg/L	69.0	97.0	No Exceedance
G60S	UA	Compliance	05/12/2023	D12R	Sulfate, total	mg/L	68.0	97.0	No Exceedance
G60S	UA	Compliance	07/20/2023	D13	Sulfate, total	mg/L	77.0	97.0	No Exceedance
G60S	UA	Compliance	10/31/2023	D13R	Sulfate, total	mg/L	74.0	97.0	No Exceedance
G60S	UA	Compliance	01/12/2023	D12	Total Dissolved Solids	mg/L	620	499	Confirmed
G60S	UA	Compliance	05/12/2023	D12R	Total Dissolved Solids	mg/L	600	499	Confirmed
G60S	UA	Compliance	07/20/2023	D13	Total Dissolved Solids	mg/L	1,200 J	499	Confirmed
G60S	UA	Compliance	10/31/2023	D13R	Total Dissolved Solids	mg/L	660	499	Confirmed
G64L	PMP	Compliance	01/11/2023	D12	Boron, total	mg/L	0.0140	0.0590	No Exceedance
G64L	PMP	Compliance	05/15/2023	D12R	Boron, total	mg/L	0.0310 J+	0.0590	No Exceedance
G64L	PMP	Compliance	07/27/2023	D13	Boron, total	mg/L	0.0410 J+	0.0590	No Exceedance
G64L	PMP	Compliance	10/26/2023	D13R	Boron, total	mg/L	0.0071 U	0.0590	No Exceedance
G64L	PMP	Compliance	01/11/2023	D12	Calcium, total	mg/L	110	112	No Exceedance



ANALYTICAL RESULTS - APPENDIX III PARAMETERS
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

CANTON, IL									
Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G64L	PMP	Compliance	05/15/2023	D12R	Calcium, total	mg/L	110 J+	112	No Exceedance
G64L	PMP	Compliance	07/27/2023	D13	Calcium, total	mg/L	110	112	No Exceedance
G64L	PMP	Compliance	10/26/2023	D13R	Calcium, total	mg/L	110	112	No Exceedance
G64L	PMP	Compliance	01/11/2023	D12	Chloride, total	mg/L	4.8 U	22.5	No Exceedance
G64L	PMP	Compliance	05/15/2023	D12R	Chloride, total	mg/L	2.80	22.5	No Exceedance
G64L	PMP	Compliance	07/27/2023	D13	Chloride, total	mg/L	1.80	22.5	No Exceedance
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G64L	PMP	Compliance	10/26/2023	D13R	Chloride, total	mg/L	2.90	22.5	No Exceedance
G64L	PMP	Compliance	01/11/2023	D12	Fluoride, total	mg/L	0.287	0.564	No Exceedance
G64L	PMP	Compliance	05/15/2023	D12R	Fluoride, total	mg/L	0.241 J	0.564	No Exceedance
G64L	PMP	Compliance	07/27/2023	D13	Fluoride, total	mg/L	0.444	0.564	No Exceedance
G64L	PMP	Compliance	10/26/2023	D13R	Fluoride, total	mg/L	0.224	0.564	No Exceedance
G64L	PMP	Compliance	01/11/2023	D12	pH (field)	SU	6.6	6.5/7.5	No Exceedance
G64L	PMP	Compliance	05/15/2023	D12R	pH (field)	SU	7.0	6.5/7.5	No Exceedance
G64L	PMP	Compliance	07/27/2023	D13	pH (field)	SU	7.0	6.5/7.5	No Exceedance
G64L	PMP	Compliance	10/26/2023	D13R	pH (field)	SU	6.8	6.5/7.5	No Exceedance
G64L	PMP	Compliance	01/11/2023	D12	Sulfate, total	mg/L	33.0	97.0	No Exceedance
G64L	PMP	Compliance	05/15/2023	D12R	Sulfate, total	mg/L	69.0	97.0	No Exceedance
G64L	PMP	Compliance	07/27/2023	D13	Sulfate, total	mg/L	43.0	97.0	No Exceedance
G64L	PMP	Compliance	10/26/2023	D13R	Sulfate, total	mg/L	41.0	97.0	No Exceedance
G64L	PMP	Compliance	01/11/2023	D12	Total Dissolved Solids	mg/L	600	499	Confirmed
G64L	PMP	Compliance	05/15/2023	D12R	Total Dissolved Solids	mg/L	600	499	Confirmed
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G64L	PMP	Compliance	07/27/2023	D13	Total Dissolved Solids	mg/L	600	499	Confirmed
G64L	PMP	Compliance	10/26/2023	D13R	Total Dissolved Solids	mg/L	540	499	Confirmed
		o !!	04/44/0000	546			0.0400	0.0500	
G64S	UA	Compliance	01/11/2023	D12	Boron, total	mg/L	0.0190	0.0590	No Exceedance
G64S	UA	Compliance Compliance	05/11/2023	D12 D12R	Boron, total Boron, total	mg/L mg/L	0.0140 J+	0.0590	No Exceedance No Exceedance
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G64S	UA	Compliance	05/11/2023	D12R	Boron, total	mg/L	0.0140 J+	0.0590	No Exceedance
G64S G64S	UA UA	Compliance Compliance	05/11/2023 07/25/2023	D12R D13	Boron, total	mg/L	0.0140 J+ 0.0150 J+	0.0590 0.0590	No Exceedance No Exceedance
G64S G64S G64S	UA UA UA	Compliance Compliance Compliance	05/11/2023 07/25/2023 10/26/2023	D12R D13 D13R	Boron, total Boron, total Boron, total	mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+	0.0590 0.0590 0.0590	No Exceedance No Exceedance No Exceedance
G64S G64S G64S	UA UA UA	Compliance Compliance Compliance Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023	D12R D13 D13R D12	Boron, total Boron, total Boron, total Calcium, total	mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0	0.0590 0.0590 0.0590 112	No Exceedance No Exceedance No Exceedance No Exceedance
G64S G64S G64S G64S	UA UA UA UA UA	Compliance Compliance Compliance Compliance Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023	D12R D13 D13R D12 D12R	Boron, total Boron, total Boron, total Calcium, total Calcium, total	mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0	0.0590 0.0590 0.0590 112 112	No Exceedance No Exceedance No Exceedance No Exceedance No Exceedance
G64S G64S G64S G64S G64S	UA UA UA UA UA UA	Compliance Compliance Compliance Compliance Compliance Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023	D12R D13 D13R D12 D12R D13	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total	mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0	0.0590 0.0590 0.0590 112 112 112	No Exceedance No Exceedance No Exceedance No Exceedance No Exceedance No Exceedance
G64S G64S G64S G64S G64S G64S	UA UA UA UA UA UA UA	Compliance Compliance Compliance Compliance Compliance Compliance Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023	D12R D13 D13R D12 D12R D13 D13R	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0	0.0590 0.0590 0.0590 112 112 112 112	No Exceedance
G64S G64S G64S G64S G64S G64S G64S	UA UA UA UA UA UA UA UA UA	Compliance Compliance Compliance Compliance Compliance Compliance Compliance Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023	D12R D13 D13R D12 D12R D13 D13R D13R D12	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B	0.0590 0.0590 0.0590 112 112 112 112 22.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S	UA	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023	D12R D13 D13R D12 D12R D13 D13R D12R D12R	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40	0.0590 0.0590 0.0590 112 112 112 112 22.5 22.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Chloride, total Chloride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10	0.0590 0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 07/25/2023 07/25/2023 10/26/2023 10/26/2023 01/11/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D12R D13 D13R D13	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Chloride, total Chloride, total Fluoride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272	0.0590 0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 22.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 10/26/2023 01/11/2023 05/11/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D12R D13 D13R D13R D12 D12R	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Chloride, total Fluoride, total Fluoride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294	0.0590 0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 22.5 0.564 0.564	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 01/11/2023 05/11/2023 05/11/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D12R D13 D13R D13R D13R D13R D13R D13R D13R	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Fluoride, total Fluoride, total Fluoride, total Fluoride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+	0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 0.564 0.564 0.564	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Fluoride, total Fluoride, total Fluoride, total Fluoride, total Fluoride, total Fluoride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217	0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 0.564 0.564 0.564 0.564	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 10/26/2023 10/26/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D12R D12R D12R D12R D12R D12R	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Fluoride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217 6.8	0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 22.5 0.564 0.564 0.564 0.564 6.5/7.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 10/26/2023 01/11/2023 05/11/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D12R D13 D12R D12R D13	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Fluoride, total PH (field)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217 6.8 6.9	0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 0.564 0.564 0.564 0.564 6.5/7.5 6.5/7.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 10/26/2023 10/26/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D12R D12R D12R D12R D12R D12R	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Fluoride, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217 6.8	0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 22.5 0.564 0.564 0.564 0.564 6.5/7.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D12R D13 D12R D12R D13	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Fluoride, total PH (field)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217 6.8 6.9	0.0590 0.0590 112 112 112 112 22.5 22.5 22.5 22.5 0.564 0.564 0.564 0.564 6.5/7.5 6.5/7.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 01/11/2023 07/25/2023	D12R D13 D13R D12 D12R D13	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Chloride, total Fluoride, total pH (field) pH (field)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217 6.8 6.9 6.8	0.0590 0.0590 112 112 112 112 112 22.5 22.5 22.5 22.5 0.564 0.564 0.564 0.564 0.564 6.5/7.5 6.5/7.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D13R D13R D13R D13R D13R D13R	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Fluoride, total pH (field) pH (field) pH (field)	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217 6.8 6.9 6.8	0.0590 0.0590 112 112 112 112 112 22.5 22.5 22.5 22.5	No Exceedance
G64S G64S G64S G64S G64S G64S G64S G64S	UA U	Compliance	05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023 07/25/2023 10/26/2023 01/11/2023 05/11/2023 07/25/2023 10/26/2023 01/11/2023	D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D12 D12R D13 D13R D13R D12 D13R D12R D13	Boron, total Boron, total Boron, total Calcium, total Calcium, total Calcium, total Calcium, total Calcium, total Chloride, total Chloride, total Chloride, total Chloride, total Fluoride, total Sulfate, total PH (field) PH (field) Sulfate, total	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.0140 J+ 0.0150 J+ 0.0130 J+ 97.0 97.0 100 98.0 5.90 B 3.40 3.20 4.10 0.272 0.294 0.348 J+ 0.217 6.8 6.9 6.8 6.9 24.0	0.0590 0.0590 112 112 112 112 112 22.5 22.5 22.5 22.5	No Exceedance





ANALYTICAL RESULTS - APPENDIX III PARAMETERS

2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

DUCK CREEK POWER PLANT

GMF POND

CANTON, IL									
Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G64S	UA	Compliance	10/26/2023	D13R	Sulfate, total	mg/L	26.0	97.0	No Exceedance
G64S	UA	Compliance	01/11/2023	D12	Total Dissolved Solids	mg/L	490	499	No Exceedance
G64S	UA	Compliance	05/11/2023	D12R	Total Dissolved Solids	mg/L	450 J+	499	No Exceedance
G64S	UA	Compliance	07/25/2023	D13	Total Dissolved Solids	mg/L	800	499	Exceedance Not Confirmed
G64S	UA	Compliance	10/26/2023	D13R	Total Dissolved Solids	mg/L	440	499	No Exceedance

Notes:

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

ID = identification

mg/L = milligrams per liter

NA = not applicable

R = resample

Statistically Significant Increase (SSI) Type:

No Exceedance: No exceedance of the background.

Exceedance Not Confirmed: An exceedance was determined in the parent event, a resample was collected, and the resample did not confirm the exceedance.

Confirmed: An exceedance was determined with comparison to a resample. If a determined exceedance is confirmed by resample, both the sample and resample are noted as confirmed.

SU = Standard Units

B = The analyte was found in sample and in associated method blank.

- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- J+ = The result is an estimated quantity, but the result may be biased high.
- U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

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STATISTICAL BACKGROUND VALUES
2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT

GMF POND

CANTON, IL

Parameter	Date Range	Sample Count	Percent Non- Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	12/02/2015 - 06/28/2017	24	25	Parametric UPL (log- transformed)	0.0590
Calcium (mg/L)	12/02/2015 - 06/28/2017	24	0	Parametric UPL	112
Chloride (mg/L)	12/02/2015 - 06/28/2017	24	0	Parametric UPL (log- transformed)	22.5
Fluoride (mg/L)	12/02/2015 - 06/28/2017	24	21	Non-parametric UPL	0.564
pH (field) (SU)	12/02/2015 - 06/28/2017	24	0	Parametric LPL/UPL	6.5/7.5
Sulfate (mg/L)	12/02/2015 - 06/28/2017	24	33	Non-parametric UPL	97.0
Total Dissolved Solids (mg/L)	12/02/2015 - 06/28/2017	24	0	Parametric UPL (log- transformed)	499

Notes:

LPL = lower prediction limit (applicable for pH only) mg/L = milligrams per liter

SU = standard units UPL = upper prediction limit

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FIGURES



BACKGROUND WELL

COMPLIANCE WELL

SOURCE SAMPLE LOCATION

REGULATED UNIT (SUBJECT UNIT)

300

___ Feet

SITE FEATURE

150

PROPERTY BOUNDARY

MONITORING WELL LOCATION MAP

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT GMF POND

GMF POND DUCK CREEK POWER PLANT CANTON, ILLINOIS FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

COMPLIANCE WELL

BACKGROUND WELL

PORE WATER WELL CCR SOURCE WATER SAMPLE

MONITORING WELL REGULATED UNIT (SUBJECT UNIT)

> SITE FEATURE ■PROPERTY BOUNDARY

> > _|Feet

NOTES:

NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

SROUNDWATER FLOW DIRECTION

1. PARENTHESES INDICATES WELL NOT USED FOR CONTOURING 2.ELEVATION CONTOURS SHOWN IN FEET. NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT **GMF POND**

POTENTIOMETRIC SURFACE MAP

JANUARY 9 AND 16, 2023

DUCK CREEK POWER PLANT CANTON, ILLINOIS



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- CCR SOURCE WATER SAMPLE
- MONITORING WELL

150

- REGULATED UNIT (SUBJECT UNIT)

_Feet

- SITE FEATURE PROPERTY BOUNDARY NOTES:
- GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

POTENTIOMETRIC SURFACE MAP MAY 8, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

GMF POND DUCK CREEK POWER PLANT CANTON, ILLINOIS FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





COMPLIANCE MONITORING WELL

BACKGROUND MONITORING WELL

PORE WATER WELL

CCR SOURCE WATER SAMPLE

MONITORING WELL

GROUNDWATER ELEVATION
—CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

→ GROUNDWATER FLOW DIRECTION REGULATED UNIT (SUBJECT UNIT)

SITE FEATURE
PROPERTY BOUNDARY

2023 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC SURFACE MAP

GMF POND DUCK CREEK POWER PLANT CANTON, ILLINOIS

JULY 17, 2023

FIGURE 4

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



NOTES:

1. PARENTHESES INDICATES WELL NOT USED FOR CONTOURING
2.ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN
VERTICAL DATUM OF 1988 (NAVD88)



- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- CCR SOURCE WATER SAMPLE
- MONITORING WELL
- GROUNDWATER ELEVATION
 —CONTOUR (5-FT CONTOUR INTERVAL,
 NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
 REGULATED UNIT (SUBJECT UNIT)
 - SITE FEATURE

POTENTIOMETRIC SURFACE MAP OCTOBER 16 AND 18, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

GMF POND DUCK CREEK POWER PLANT CANTON, ILLINOIS FIGURE 5

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



1. PARENTHESES INDICATES WELL NOT USED FOR CONTOURING 2.ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

APPENDIX A LABORATORY REPORTS AND FIELD DATA SHEETS

DUCK CREEK POWER PLANT DC 257-203

Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

February 15, 2023

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

RE: GYPSUM G2

Dear Daryl Johnson:

Please find enclosed the analytical results for the **64** sample(s) the laboratory received on **1/11/23 4:30 pm** and logged in under work order **GA02056**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely, Schindler

Gail Schindler
Project Manager
(309) 692-9688 x1716
gail.schindler@pacelabs.com

Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

GA02056

Work Order

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

2

Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

Work Order GA02365

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

Work Order GA02681

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
YES	Case narrative provided

Case Narrative

Dry Wells - G09L, G56L, G57L, G58L, G65L G52S - pump does not work and is stuck in well DTW below top of pump - G07L and P37L

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ANALYTICAL RESULTS

Sample: GA02056-07 Name: G02S

Matrix: Ground Water - Grab

Sampled: 01/11/23 10:25 **Received:** 01/11/23 16:30

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	< 5.0	mg/L	Q3	5	4.8	5.0	01/21/23 18:49	LAM	EPA 300.0 REV
Fluoride	0.320	mg/L		1	0.0400	0.250	01/21/23 17:55	LAM	2.1 EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		1	0.18	1.0	01/21/23 17:55	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	12.9	Feet		1			01/11/23 10:25	FIELD	Field
Dissolved oxygen, Field	5.8	mg/L		1			01/11/23 10:25	FIELD	Field
Oxidation Reduction Potential	-107	mV		1	-1000	-500	01/11/23 10:25	FIELD	Field
pH, Field Measured	6.63	pH Units		1			01/11/23 10:25	FIELD	Field
Specific Conductance, Field Measured	800.0	umhos/cm		1			01/11/23 10:25	FIELD	Field
Temperature, Field Measured	11.2	°C		1			01/11/23 10:25	FIELD	Field
Turbidity, Field Measured	80.8	NTU		1	0.00	0.00	01/11/23 10:25	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	250	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Solids - total dissolved solids (TDS)	490	mg/L		1		26	01/13/23 15:45	CPS	SM 2540C
Total Metals - PIA									
Boron	130	ug/L		5	7.1	10	01/19/23 12:54	JMW	EPA 6020A
Calcium	97	mg/L		5	0.089	0.20	01/19/23 12:54	JMW	EPA 6020A
Magnesium	36	mg/L		5	0.011	0.10	01/19/23 12:54	JMW	EPA 6020A
Potassium	1.0	mg/L	В	5	0.085	0.10	01/19/23 12:54	JMW	EPA 6020A
Sodium	14	mg/L		5	0.048	0.10	01/19/23 12:54	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02056-19 **Name:** G64S

Matrix: Ground Water - Grab

Sampled: 01/11/23 13:02 **Received:** 01/11/23 16:30

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	5.9	mg/L		5	4.8	5.0	01/21/23 16:43	LAM	EPA 300.0 REV 2.1
Sulfate	24	mg/L		5	0.91	5.0	01/21/23 16:43	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	27.7	Feet		1			01/11/23 13:02	FIELD	Field
Dissolved oxygen, Field	2.3	mg/L		1			01/11/23 13:02	FIELD	Field
Oxidation Reduction Potential	65.0	mV		1	-1000	-500	01/11/23 13:02	FIELD	Field
pH, Field Measured	6.77	pH Units		1			01/11/23 13:02	FIELD	Field
Specific Conductance, Field Measured	766.0	umhos/cm		1			01/11/23 13:02	FIELD	Field
Temperature, Field Measured	12.2	°C		1			01/11/23 13:02	FIELD	Field
Turbidity, Field Measured	< 0.00	NTU		1	0.00	0.00	01/11/23 13:02	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	240	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Fluoride	0.272	mg/L		1	0.0199	0.250	01/27/23 13:52	ANK	SM 4500F C 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	490	mg/L		1		26	01/13/23 15:45	CPS	SM 2540C
Total Metals - PIA									
Boron	19	ug/L		5	7.1	10	01/19/23 13:41	JMW	EPA 6020A
Calcium	97	mg/L		5	0.089	0.20	01/19/23 13:41	JMW	EPA 6020A
Magnesium	44	mg/L		5	0.011	0.10	01/19/23 13:41	JMW	EPA 6020A
Potassium	0.83	mg/L	В	5	0.085	0.10	01/19/23 13:41	JMW	EPA 6020A
Sodium	12	mg/L		5	0.048	0.10	01/19/23 13:41	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02056-20 **Name:** G64L

Matrix: Ground Water - Grab

Sampled: 01/11/23 13:27 **Received:** 01/11/23 16:30

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	< 5.0	mg/L		5	4.8	5.0	01/21/23 23:03	LAM	EPA 300.0 REV 2.1
Fluoride	0.287	mg/L		1	0.0400	0.250	01/21/23 22:26	LAM	EPA 300.0 REV 2.1
Sulfate	33	mg/L		5	0.91	5.0	01/21/23 23:03	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.75	Feet		1			01/11/23 13:27	FIELD	Field
Dissolved oxygen, Field	0.60	mg/L		1			01/11/23 13:27	FIELD	Field
Oxidation Reduction Potential	54.0	mV		1	-1000	-500	01/11/23 13:27	FIELD	Field
pH, Field Measured	6.63	pH Units		1			01/11/23 13:27	FIELD	Field
Specific Conductance, Field Measured	942.0	umhos/cm		1			01/11/23 13:27	FIELD	Field
Temperature, Field Measured	12.8	°C		1			01/11/23 13:27	FIELD	Field
Turbidity, Field Measured	169	NTU		1	0.00	0.00	01/11/23 13:27	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	450	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	600	mg/L		1		26	01/13/23 15:45	CPS	SM 2540C
Total Metals - PIA									
Boron	14	ug/L		5	7.1	10	01/19/23 13:44	JMW	EPA 6020A
Calcium	110	mg/L		5	0.089	0.20	01/19/23 13:44	JMW	EPA 6020A
Magnesium	62	mg/L		5	0.011	0.10	01/19/23 13:44	JMW	EPA 6020A
Potassium	1.1	mg/L	В	5	0.085	0.10	01/19/23 13:44	JMW	EPA 6020A
Sodium	7.6	mg/L		5	0.048	0.10	01/19/23 13:44	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02365-01 Name: G50S

Matrix: Ground Water - Grab

Sampled: 01/12/23 14:40 **Received:** 01/13/23 07:15

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	11	mg/L	Q4	5	4.8	5.0	01/26/23 15:07	LAM	EPA 300.0 REV 2.1
Sulfate	38	mg/L	Q4	5	0.91	5.0	01/26/23 15:07	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	16.94	Feet		1			01/12/23 14:40	FIELD	Field
Dissolved oxygen, Field	3.8	mg/L		1			01/12/23 14:40	FIELD	Field
Oxidation Reduction Potential	81.0	mV		1	-1000	-500	01/12/23 14:40	FIELD	Field
pH, Field Measured	6.80	pH Units		1			01/12/23 14:40	FIELD	Field
Specific Conductance, Field Measured	671.0	umhos/cm		1			01/12/23 14:40	FIELD	Field
Temperature, Field Measured	10.5	°C		1			01/12/23 14:40	FIELD	Field
Turbidity, Field Measured	< 0.00	NTU		1	0.00	0.00	01/12/23 14:40	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	190	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Fluoride	0.259	mg/L		1	0.0199	0.250	01/27/23 13:54	ANK	SM 4500F C 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	410	mg/L		1		26	01/18/23 12:23	CPS	SM 2540C
Total Metals - PIA									
Boron	17	ug/L		5	7.1	10	01/19/23 13:48	JMW	EPA 6020A
Calcium	87	mg/L		5	0.089	0.20	01/19/23 13:48	JMW	EPA 6020A
Magnesium	35	mg/L		5	0.011	0.10	01/19/23 13:48	JMW	EPA 6020A
Potassium	0.60	mg/L	В	5	0.085	0.10	01/19/23 13:48	JMW	EPA 6020A
Sodium	9.2	mg/L		5	0.048	0.10	01/19/23 13:48	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02365-03 Name: G51S

Matrix: Ground Water - Grab

Sampled: 01/12/23 15:23 **Received:** 01/13/23 07:15

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	13	mg/L	Q4	10	9.6	10	01/26/23 16:56	LAM	EPA 300.0 REV 2.1
Sulfate	51	mg/L	Q4	10	1.8	10	01/26/23 16:56	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	16.69	Feet		1			01/12/23 15:23	FIELD	Field
Dissolved oxygen, Field	2.5	mg/L		1			01/12/23 15:23	FIELD	Field
Oxidation Reduction Potential	102	mV		1	-1000	-500	01/12/23 15:23	FIELD	Field
pH, Field Measured	6.42	pH Units		1			01/12/23 15:23	FIELD	Field
Specific Conductance, Field Measured	1006	umhos/cm		1			01/12/23 15:23	FIELD	Field
Temperature, Field Measured	11.5	°C		1			01/12/23 15:23	FIELD	Field
Turbidity, Field Measured	< 0.00	NTU		1	0.00	0.00	01/12/23 15:23	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	160	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Fluoride	< 0.250	mg/L		1	0.0199	0.250	01/27/23 13:56	ANK	SM 4500F C 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	440	mg/L		1		26	01/18/23 12:23	CPS	SM 2540C
Total Metals - PIA									
Boron	12	ug/L		5	7.1	10	01/19/23 13:52	JMW	EPA 6020A
Calcium	94	mg/L		5	0.089	0.20	01/19/23 13:52	JMW	EPA 6020A
Magnesium	39	mg/L		5	0.011	0.10	01/19/23 13:52	JMW	EPA 6020A
Potassium	0.56	mg/L	В	5	0.085	0.10	01/19/23 13:52	JMW	EPA 6020A
Sodium	7.5	mg/L		5	0.048	0.10	01/19/23 13:52	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02365-06 Name: G57S

Matrix: Ground Water - Grab

Sampled: 01/12/23 11:22 **Received:** 01/13/23 07:15

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	18	mg/L	Q4	5	4.8	5.0	01/26/23 18:08	LAM	EPA 300.0 REV 2.1
Sulfate	49	mg/L	Q4	25	4.6	25	01/26/23 18:26	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	28.58	Feet		1			01/12/23 11:22	FIELD	Field
Dissolved oxygen, Field	4.0	mg/L		1			01/12/23 11:22	FIELD	Field
Oxidation Reduction Potential	208	mV		1	-1000	-500	01/12/23 11:22	FIELD	Field
pH, Field Measured	6.74	pH Units		1			01/12/23 11:22	FIELD	Field
Specific Conductance, Field Measured	1016	umhos/cm		1			01/12/23 11:22	FIELD	Field
Temperature, Field Measured	9.2	°C		1			01/12/23 11:22	FIELD	Field
Turbidity, Field Measured	< 0.00	NTU		1	0.00	0.00	01/12/23 11:22	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	420	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Fluoride	0.279	mg/L		1	0.0199	0.250	01/27/23 13:58	ANK	SM 4500F C 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	780	mg/L		1		26	01/18/23 12:23	CPS	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		5	7.1	10	01/19/23 13:55	JMW	EPA 6020A
Calcium	160	mg/L		5	0.089	0.20	01/19/23 13:55	JMW	EPA 6020A
Magnesium	90	mg/L		5	0.011	0.10	01/19/23 13:55	JMW	EPA 6020A
Potassium	0.60	mg/L	В	5	0.085	0.10	01/19/23 13:55	JMW	EPA 6020A
Sodium	12	mg/L		5	0.048	0.10	01/19/23 13:55	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02365-08 Name: G60L

Matrix: Ground Water - Grab

Sampled: 01/12/23 12:48

Received: 01/13/23 07:15

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	15	mg/L		5	4.8	5.0	01/26/23 18:12	LAM	EPA 300.0 REV 2.1
Sulfate	150	mg/L		50	9.1	50	01/26/23 18:30	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	24.05	Feet		1			01/12/23 12:48	FIELD	Field
Dissolved oxygen, Field	0.84	mg/L		1			01/12/23 12:48	FIELD	Field
Oxidation Reduction Potential	155	mV		1	-1000	-500	01/12/23 12:48	FIELD	Field
pH, Field Measured	5.90	pH Units		1			01/12/23 12:48	FIELD	Field
Specific Conductance, Field Measured	993.0	umhos/cm		1			01/12/23 12:48	FIELD	Field
Temperature, Field Measured	10.2	°C		1			01/12/23 12:48	FIELD	Field
Turbidity, Field Measured	2.40	NTU		1	0.00	0.00	01/12/23 12:48	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	200	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Fluoride	< 0.250	mg/L		1	0.0199	0.250	01/27/23 14:00	ANK	SM 4500F C 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	630	mg/L		1		26	01/18/23 12:23	CPS	SM 2540C
Total Metals - PIA									
Boron	28	ug/L		5	7.1	10	01/19/23 13:59	JMW	EPA 6020A
Calcium	110	mg/L		5	0.089	0.20	01/19/23 13:59	JMW	EPA 6020A
Magnesium	46	mg/L		5	0.011	0.10	01/19/23 13:59	JMW	EPA 6020A
Potassium	0.70	mg/L	В	5	0.085	0.10	01/19/23 13:59	JMW	EPA 6020A
Sodium	38	mg/L		5	0.048	0.10	01/19/23 13:59	JMW	EPA 6020A

Customer #: 72-104337

ANALYTICAL RESULTS

Sample: GA02365-09 Name: G60S

Matrix: Ground Water - Grab

Sampled: 01/12/23 13:38 **Received:** 01/13/23 07:15

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	8.4	mg/L		1	0.96	1.0	01/26/23 19:24	LAM	EPA 300.0 REV 2.1
Sulfate	69	mg/L		10	1.8	10	01/26/23 19:42	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	28.4	Feet		1			01/12/23 13:38	FIELD	Field
Dissolved oxygen, Field	6.9	mg/L		1			01/12/23 13:38	FIELD	Field
Oxidation Reduction Potential	112	mV		1	-1000	-500	01/12/23 13:38	FIELD	Field
pH, Field Measured	6.65	pH Units		1			01/12/23 13:38	FIELD	Field
Specific Conductance, Field Measured	990.0	umhos/cm		1			01/12/23 13:38	FIELD	Field
Temperature, Field Measured	10.8	°C		1			01/12/23 13:38	FIELD	Field
Turbidity, Field Measured	218	NTU		1	0.00	0.00	01/12/23 13:38	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	280	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Fluoride	< 0.250	mg/L		1	0.0199	0.250	01/27/23 14:02	ANK	SM 4500F C 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	620	mg/L		1		26	01/18/23 12:23	CPS	SM 2540C
Total Metals - PIA									
Boron	21	ug/L		5	7.1	10	01/19/23 14:02	JMW	EPA 6020A
Calcium	170	mg/L		5	0.089	0.20	01/19/23 14:02	JMW	EPA 6020A
Magnesium	71	mg/L		5	0.011	0.10	01/19/23 14:02	JMW	EPA 6020A
Potassium	2.3	mg/L	В	5	0.085	0.10	01/19/23 14:02	JMW	EPA 6020A
Sodium	13	mg/L		5	0.048	0.10	01/19/23 14:02	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02681-06 Name: G54L

Matrix: Ground Water - Grab

Sampled: 01/16/23 12:59 **Received:** 01/16/23 15:51

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	29	mg/L		10	9.6	10	02/01/23 05:57	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		1	0.0400	0.250	02/01/23 05:38	CRD	EPA 300.0 REV 2.1
Sulfate	87	mg/L		10	1.8	10	02/01/23 05:57	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.35	Feet		1			01/16/23 12:54	FIELD	Field
Dissolved oxygen, Field	4.0	mg/L		1			01/16/23 12:54	FIELD	Field
Oxidation Reduction Potential	-27.0	mV		1	-1000	-500	01/16/23 12:54	FIELD	Field
pH, Field Measured	6.89	pH Units		1			01/16/23 12:54	FIELD	Field
Specific Conductance, Field Measured	1380	umhos/cm		1			01/16/23 12:54	FIELD	Field
Temperature, Field Measured	11.8	°C		1			01/16/23 12:54	FIELD	Field
Turbidity, Field Measured	65.5	NTU		1	0.00	0.00	01/16/23 12:54	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	440	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	900	mg/L		1		26	01/20/23 17:17	CPS	SM 2540C
Total Metals - PIA									
Boron	12	ug/L		5	7.1	10	01/20/23 11:14	JMW	EPA 6020A
Calcium	170	mg/L		5	0.089	0.20	01/20/23 11:14	JMW	EPA 6020A
Magnesium	88	mg/L		5	0.011	0.10	01/20/23 11:14	JMW	EPA 6020A
Potassium	0.45	mg/L		5	0.085	0.10	01/20/23 11:14	JMW	EPA 6020A
Sodium	13	mg/L		5	0.048	0.10	01/20/23 11:14	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02681-07 Name: G54S

Matrix: Ground Water - Grab

Sampled: 01/16/23 13:55 **Received:** 01/16/23 15:51

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	3.7	mg/L		1	0.96	1.0	02/01/23 06:16	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		1	0.0400	0.250	02/01/23 06:16	CRD	EPA 300.0 REV 2.1
Sulfate	30	mg/L		10	1.8	10	02/01/23 06:34	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	26.02	Feet		1			01/16/23 13:55	FIELD	Field
Dissolved oxygen, Field	6.2	mg/L		1			01/16/23 13:55	FIELD	Field
Oxidation Reduction Potential	-65.0	mV		1	-1000	-500	01/16/23 13:55	FIELD	Field
pH, Field Measured	6.92	pH Units		1			01/16/23 13:55	FIELD	Field
Specific Conductance, Field Measured	947.0	umhos/cm		1			01/16/23 13:55	FIELD	Field
Temperature, Field Measured	12.0	°C		1			01/16/23 13:55	FIELD	Field
Turbidity, Field Measured	53.8	NTU		1	0.00	0.00	01/16/23 13:55	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	280	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		1		2.0	01/17/23 10:08	HRF	SM 2320B 1997
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	580	mg/L		1		26	01/20/23 17:17	CPS	SM 2540C
Total Metals - PIA									
Boron	31	ug/L		5	7.1	10	01/20/23 11:18	JMW	EPA 6020A
Calcium	120	mg/L		5	0.089	0.20	01/20/23 11:18	JMW	EPA 6020A
Magnesium	50	mg/L		5	0.011	0.10	01/20/23 11:18	JMW	EPA 6020A
Potassium	0.82	mg/L		5	0.085	0.10	01/20/23 11:18	JMW	EPA 6020A
Sodium	9.6	mg/L		5	0.048	0.10	01/20/23 11:18	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02681-18 **Name:** X301

Matrix: Ground Water - Grab

Sampled: 01/16/23 10:23 **Received:** 01/16/23 15:51

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	420	mg/L		100	96	100	01/27/23 19:29	CRD	EPA 300.0 REV
Sulfate	910	mg/L		100	18	100	01/27/23 19:29	CRD	2.1 EPA 300.0 REV 2.1
Field - PIA									
Dissolved oxygen, Field	3.1	mg/L		1			01/16/23 10:23	FIELD	Field
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	460	mg/L		1		10	01/24/23 09:55	HRF	SM 2320B 1997
Alkalinity - carbonate as CaCO3	< 10	mg/L		1		10	01/24/23 09:55	HRF	SM 2320B 1997
<u>Total Metals - PIA</u>									
Calcium	430	mg/L		5	0.089	0.20	01/30/23 12:48	JMW	EPA 6020A
Magnesium	260	mg/L		5	0.011	0.10	01/30/23 12:48	JMW	EPA 6020A
Potassium	7.3	mg/L		5	0.085	0.10	01/30/23 12:48	JMW	EPA 6020A
Sodium	56	mg/L		5	0.048	0.10	01/30/23 12:48	JMW	EPA 6020A

QC SAMPLE RESULTS

				Spike	Source		%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Limi
<u> Batch B323147 - No Prep - SM 2540C</u>									
Blank (B323147-BLK1)				Prepared &	Analyzed: 01/	13/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B323147-BS1)				Prepared &	Analyzed: 01/	13/23			
Solids - total dissolved solids (TDS)	997	mg/L		1000		100	84.9-109		
Solids - total dissolved solids (TDS)	997	mg/L		1000		100	84.9-109		
Duplicate (B323147-DUP1)	Sample: GA020	-		Prepared &	Analyzed: 01/	13/23			
Solids - total dissolved solids (TDS)	505	mg/L			490			3	5
Solids - total dissolved solids (TDS)	505	mg/L			490			3	5
Batch B323330 - SW 3015 - EPA 6020A									
Blank (B323330-BLK1)				Prepared: 0)1/17/23 Analy	/zed: 01/19/2	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	0.256	mg/L	В						
Sodium	0.312	mg/L	Ва						
LCS (B323330-BS1)				Prepared: 0)1/17/23 Analy	/zed: 01/19/2	3		
Boron	507	ug/L		555.6		91	80-120		
Calcium	5.43	mg/L		5.556		98	80-120		
Magnesium	5.63	mg/L		5.556		101	80-120		
Potassium	6.06	mg/L		5.556		109	80-120		
Sodium	5.69	mg/L		5.556		102	80-120		
Batch B323462 - No Prep - SM 2540C									
Blank (B323462-BLK1)				Prepared &	Analyzed: 01/	18/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B323462-BS1)				Prepared &	Analyzed: 01/	18/23			
Solids - total dissolved solids (TDS)	967	mg/L		1000		97	84.9-109		
Batch B323514 - No Prep - SM 2540C									
Blank (B323514-BLK1)				Prepared: 0)1/18/23 Analy	/zed: 01/20/2	3		
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B323514-BS1)				Prepared: 0	01/18/23 Analy	/zed: 01/20/2	3		
Solids - total dissolved solids (TDS)	1020	mg/L		1000		102	84.9-109		
Batch B323535 - No Prep - SM 2320B 1997									
Duplicate (B323535-DUP4)	Sample: GA020	56-19		Prepared &	Analyzed: 01/				
Alkalinity - carbonate as CaCO3	< 2.0	mg/L			ND				10
Duplicate (B323535-DUP5)	Sample: GA023	65-08		Prepared &	Analyzed: 01/	17/23			
Alkalinity - carbonate as CaCO3	< 2.0	mg/L			ND				10
Batch B323536 - No Prep - SM 2320B 1997									
Duplicate (B323536-DUP4)	Sample: GA020	56-19		Prepared &	Analyzed: 01/	17/23			
Alkalinity - bicarbonate as CaCO3	238	mg/L			238			0	10

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limi
	Sample: GA023		Quai		Analyzed: 01/		Lillits	- INI D	
Duplicate (B323536-DUP5) Alkalinity - bicarbonate as CaCO3	188	mg/L		Frepareu &	200	111/23		6	10
·		Ü							
Batch B323566 - SW 3015 - EPA 6020A									
Blank (B323566-BLK1)				Prepared: 0	01/19/23 Analy	yzed: 01/20/23	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B323566-BS1)				Prepared: 0	01/19/23 Analy	yzed: 01/20/23	3		
Boron	512	ug/L		555.6		92	80-120		
Calcium	5.44	mg/L		5.556		98	80-120		
Magnesium	5.47	mg/L		5.556		98	80-120		
Potassium	5.46	mg/L		5.556		98	80-120		
Sodium	5.36	mg/L		5.556		97	80-120		
Batch B323809 - SW 3015 - EPA 6020A									
Blank (B323809-BLK1)				Prepared: 0	01/23/23 Analy	yzed: 01/30/23	3		
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B323809-BS1)				Prepared: 0	01/23/23 Analy	yzed: 01/30/23	3		
Calcium	5.62	mg/L		5.556		101	80-120		
Magnesium	5.70	mg/L		5.556		103	80-120		
Potassium	5.44	mg/L		5.556		98	80-120		
Sodium	5.51	mg/L		5.556		99	80-120		
Batch B323851 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B323851-CCB1)				Prepared &	Analyzed: 01/	/21/23			
Chloride	0.00	mg/L							
Sulfate	0.00	mg/L							
Fluoride	0.00	mg/L							
Calibration Check (B323851-CCV1)				· · ·	Analyzed: 01/	/21/23			
Sulfate	4.82	mg/L		5.000		96	90-110		
Fluoride	5.11	mg/L		5.000		102	90-110		
Chloride	4.79	mg/L		5.000		96	90-110		
Matrix Spike (B323851-MS1)	Sample: GA020				Analyzed: 01/				
Fluoride	1.73	mg/L		1.500	0.320	94	80-120		
Sulfate	1.53	mg/L		1.500	ND	102	80-120		
Chloride	1.6	mg/L	Q1	1.500	4.2	NR	80-120		
Matrix Spike Dup (B323851-MSD1)	Sample: GA020			· ·	Analyzed: 01/				
Sulfate	1.54	mg/L		1.500	ND	102	80-120	0.3	20
Fluoride	1.72	mg/L		1.500	0.320	94	80-120	0.2	20
Chloride	3.1	mg/L	Q2	1.500	4.2	NR	80-120		20

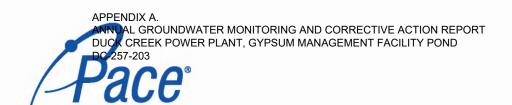
Batch B323852 - IC No Prep - EPA 300.0 REV 2.1

QC SAMPLE RESULTS

_	_		_	Spike	Source	o	%REC		RPI
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Lim
Calibration Blank (B323852-CCB1)				Prepared &	Analyzed: 01	/21/23			
Chloride	0.848	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B323852-CCV1)				Prepared &	Analyzed: 01	/21/23			
Sulfate	4.77	mg/L		5.000		95	90-110		
Chloride	4.65	mg/L		5.000		93	90-110		
Batch B324206 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B324206-CCB1)				Prepared &	Analyzed: 01	/26/23			
Sulfate	0.00	mg/L							
Chloride	0.00	mg/L							
Calibration Check (B324206-CCV1)				Prepared &	Analyzed: 01	/26/23			
Chloride	5.00	mg/L		5.000		100	90-110		
Sulfate	5.02	mg/L		5.000		100	90-110		
Matrix Spike (B324206-MS1)	Sample: GA023	65-01		Prepared &	Analyzed: 01	/26/23			
Sulfate	1.00E9	mg/L	Q4	1.500	37.7	NR	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	11	NR	80-120		
Matrix Spike (B324206-MS2)	Sample: GA023	65-03		Prepared &	Analyzed: 01	/26/23			
Sulfate	1.00E9	mg/L	Q4	1.500	51.5	NR	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	13	NR	80-120		
Matrix Spike Dup (B324206-MSD1)	Sample: GA023	65-01		Prepared &	Analyzed: 01	/26/23			
Chloride	1.0E9	mg/L	Q4	1.500	11	NR	80-120	0	20
Sulfate	1.00E9	mg/L	Q4	1.500	37.7	NR	80-120	0	20
Matrix Spike Dup (B324206-MSD2)	Sample: GA023	65-03		Prepared &	Analyzed: 01	/26/23			
Chloride	1.0E9	mg/L	Q4	1.500	13	NR	80-120	0	20
Sulfate	1.00E9	mg/L	Q4	1.500	51.5	NR	80-120	0	20
Batch B324210 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B324210-CCB1)				Prepared &	Analyzed: 01	/26/23			
Sulfate	0.00	mg/L							
Chloride	0.503	mg/L							
Calibration Check (B324210-CCV1)				Prepared &	Analyzed: 01	/26/23			
Chloride	4.83	mg/L		5.000		97	90-110		
Sulfate	4.96	mg/L		5.000		99	90-110		
Batch B324437 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B324437-CCB1)				Prepared &	Analyzed: 01	/27/23			
Sulfate	0.00	mg/L							
Chloride	0.0875	mg/L							
Calibration Check (B324437-CCV1)					Analyzed: 01				
Sulfate	5.05	mg/L		5.000		101	90-110		
Chloride	5.00	mg/L		5.000		100	90-110		
Batch B324535 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B324535-CCB1)				Prepared &	Analyzed: 01	/31/23			
Chloride	0.899	mg/L							
Fluoride	0.00	mg/L							
Sulfate	0.00	mg/L							

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Calibration Check (B324535-CCV1)				Prepared &	Analyzed: 01/	31/23			
Chloride	4.74	mg/L		5.000		95	90-110		
Sulfate	4.87	mg/L		5.000		97	90-110		
Fluoride	5.06	mg/L		5.000		101	90-110		



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

- B Present in the method blank at 256 ug/L.
- Ba Present in the method blank at 312 ug/L.
- Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q2 Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q3 Matrix Spike/Matrix Spike Duplicate both failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Dail of Schindler

TNI PROPATORI

Certified by: Gail Schindler, Project Manager

CHAIN-OF-CUSTODY / Analytical Request Document

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

(M/Y) Project No./ Lab I.D. ubjes jujac SAMPLE CONDITIONS DRINKING WATER (N/A) Custody locO balses ъ (N/X) eq. REGULATORY AGENCY OTHER no beviedeЯ Page Residual Chlorine (Y/N) 80 O° ni qmeT GROUND WATER <u>۔</u>۔ H RCRA Requested Analysis Filtered (Y/N Site Location STATE 111 83 DATE DC_845_201-202 NPDES UST DC_WPCP_203-206 OC CLOSURE 201-202 DC_811_204 30Z_78Z_305 ACCEPTED BY / AFFILIATION The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately OC_257_204 10x04xxxx OC_2557_203 ‡ taeT sisylsnA↓ 1 N/A Other Methanol Company Name: Vistra Corp Jason Stuckey see Section A Na₂S₂O₃ Preservatives HOBN HCI And Sey HNO³ *OS²H ремесение Address: 2501 4 0 1 N # OF CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: 1/11/23 SAMPLE TEMP AT COLLECTION SIGNATURE of BAMBLER DATE 1420 200 1430 1535 1150 TIME 1101 1/2/23 for Sosayn Aced COLLECTED RELINQUISHED BY AFFILIATION 111123 11123 1/11/13 W/ 6 1/23 11/27 ST 6 1/11/2 DATE Copy To: Jason Stuckey Section B Required Project Information: Report To: Brian Voelker 50 2285 5 6 SYC 20 SAMPLE TYPE (GEGRAS CECOMP) urchase Order No.: rajed Number (Not at sober bilev eas) **BOOD XINTAM** oject Name Valid Matrix Codes 74 2 2 2 2 2 E E E DAINGHG WATER OF WATER WASTE WATER WESTER WATER WESTER SOULSOLID က 10 day DC-Q1-2023 Rev BA03L BA04 BA05 BA06 G02S G04S GOES ADDITIONAL COMMENTS BA02L BA03 G07L G09S G06L G08L G09L (A-Z, 0-97, -) Sample IDs MUST BE UNIQUE SAMPLE ID Fax 13498 E. 900th St Requested Duo Data/TAT: Vistra Corp Section D Required Client Informs Section A Required Client Information: (217) 753-8811 우 Ξ 12 5 7 5 16 9 73 o m 4 ю # Matt 2 ١.

BA02056-20

CHAIN-OF-CUSTODY / Analytical Request Document

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

(N/A) Project No./ Lab I.D. esubles in SAMPLE CONDITIONS DRINKING WATER (N/A) ъ Custady Seled Coo (N/A) eat REGULATORY AGENCY N OTHER Page: Residual Chlorine (Y/N) 8 O" ni qmeT GROUND WATER _ TIME. RCRA 3 4 Requested Analysis Filtered STATE: Site Location DATE DC 845 201-202 1 NPDEB UST OC_WPCP_203-206 OCTOPOMETSON-SOS DC_811_204 Lidare Herwolker DATE signed
DATE signed
(MAREDDAY): ACCEPTED BY / AFFILIATION OC_257_205 OC_257_204 OC_257_203 ↓ tesT eisylenA↓ NIA Orber Methanol Vistra Corp Jason Stuckey see Section A Preservatives LOSZSZBN HOBN HCI HNO³ ompany Mame: ^bOS²H ttention: 57.2 Section C Опргезегуед 풾 Address: luote reject lansger, rofile #: NN # OF CONTAINERS N PRINT Name of SAMPLER: SAMPLER NAME AND SIGNATURE SIGNATURE OF BAMPLER: SAMPLE TEMP AT COLLECTION 1/14/23 DATE 280 ישמח 1417 TWE COLLECTED 12 for Stoeper Pred RELINQUISHED BY ! AFFILIATION 52 52/11/1 DATE Sopy To: Jason Stuckey Section B Required Project Information Report To: Brian Voelker 2285 D D J (G=GRAB C=COMP) SAMPLE TYPE urchase Order No.: 13 F roject Number: (see valid codes to left) **BUOD XINTAM** roject Name: Valid Matrix Codes DE SE TOTAL DRINGNA VATER
WATER
WATER
WATER
PRODUCT
SOLUSOLID
OIL
WIPE
AIR
AIR
TISBJE 3 10 day DC-Q1-2023 Rev G51S G54S G55S G50S GS1E G52L **G52S** GS3L 6538 G54L G55L GS6L GS6S ADDITIONAL COMMENTS G50L SAMPLE ID
(4-2, 0-97,-)
Sample IDS MUST BE UNIQUE Fax 13498 E. 900th St Section D Required Client Information Vistra Corp Requested Due Date/TAT (217) 753-8911 Section A Required Client Information: mail To: ddress: Pone: 우 = 12 ا 4 ç 9 ณ 3 4 10 ш -00 ø # Mati

G-402056-20

	Required Project Information:	forma		Page: 3 of
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey		
Address: 13498 E. 900th St	Capy To: Jason Stuckey	Company Name: Vistra Corp	2	REGULATORY AGENCY
		Address: see Section A	NPDES GROUI	GROUND WATER DRINKING WATER
Email To: Brian Voelker@VistraCorp.com	Purchase Order No.:	Goote Reference	UST RCRA	OTHER
Phone: (217) 753-8911 Fax:	Project Name:	Project	Site Location	
Requested Due Date/TAT: 10 day	Project Number: 2285	Manager. Profile #:	STATE	11
		Re	Requested Analysis Filtered (Y/N)	
Section D Valid Matrix Codes Required Cliest Information MATRIX CODE	Cues Cook	Preservatives 7		
SAMPLE ID Sample IDe MUST BE UNIQUE Sample IDe MUST BE UNIQUE TISSUE	IX CODE (G=GBYB C=DO) IX CODE (see vand codes to	eo. Juniol Liveis Test 4 57_203 57_204	46_201-202 2.COSURE_201-202 11_204 57_206	lual Chlorine (Y/N)
≉ M∃TI		DC_2 DC_3 H200 H001 H001 H001 H001 H001 H001 H001	DC_0 DC_0 DC_8	.평 합 Project No./ Lab I.D.
1 G57L				
2 G57S				
3 G58L	80 1/4/23 10/8	0		
4 G58S	256 52/11/1 19/15	2		
5 G59L				
e G59S	150 1 1 1 23 WOST	2		
7 G60L				
B Geos				
g G81S	WT & 1/4/23 1137	2		
10 G62L				
11 G63L				
12 G63S	6 9/w/23	7		
13 G64L	6 M/23	5		
14 G64S	W. G. 1/11/23 1362	7		
15 G65L				
16 G65S				
ADDITIONAL COMMENTS	RELINQUISHED TAFFILIATION DATE	TIME ACCEPTED BY / AFFILIATION	DATE	TIME SAMPLE CONDITIONS
DC-Q1-2023 Rev 3	1/4/4	22 1625		
				N 7 820
	SAMPLER NAME AND SIGNATURE	TURE		l on (V)
	PRINT Name of SAMPLER:	largery Hawkinson		ni qu hovie (V/V) (V/V) botsu botsu botsu
	SIGNATURE of SAMPLER	-ER: (MMIDD/YY):	27 1/1 25	097 sol 10 ilsa2

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

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

Project No./ Lab I.D. eamples intac SAMPLE CONDITIONS DRINKING WATER ъ ooO balsas Custody (NtY) apl REGULATORY AGENCY 4 OTHER Received on Page: Residual Chlorine (Y/N) О° пі фтэТ GROUND WATER _ IME RCRA Requested Analysis Filtered STATE Site Location DATE DC 842 201-205 NPDES UST DC_WPCP_203-206 DC_CLOSURE_201-202 OC_811_204 ACCEPTED BY / AFFILIATION OC_257_205 on woleden C_257_204 OC 521 503 ↑ Analysis Test **†** N Æ Other Methanol Company Name: Vistra Corp Jason Stuckey see Section A Na₂S₂O₃ Preservative: Aday NaOH HÇI nvoice information: €ONH *OSZH Sucte Retarance: Project Manager Profile # Unpreserved TIME Address: 3 # OF CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: £2 11/1 SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER DATE 359 TIVE 3001 COLLECTED RELINQUISHED BY LAFELLATION 1/1/23 1/11/25 DATE Section B Required Project Information: apy To: Jason Stuckey aport To: Brian Voelker 2285 t 5 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No.: 13 mject Number: 4 (see valid andes to left) BOOD XINTAM roject Name: Vatid Matrix Codes MATRIX CODE WAY SE STATE WATER WASTER WASTER PRODUCT SCILLSCUID WHE WHE AIR m 10 day DC-Q1-2023 Rev OM05S OM10 G71S **OM045** OM07 OM08 OM09 G87S G71L G72L OM01 ADDITIONAL COMMENTS G70L G73L G67L (A-Z, C-97, ...) Semple IDs MUST BE UNIQUE SAMPLEID 13498 E. 900th St Section D Required Cile-1 information Vistra Corp Requested Due Date/TAT: hone: (217) 753-8911 Section A Required Clent Information: 9 9 Ξ Ş 5 4 5 m 4 и 7 60 N 8 # MELL

CHAIN-OF-CUSTODY / Analytical Request Document

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

(N/A) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER (N/A) 5 Custody saled Cool (NIT) eoi REGULATORY AGENCY ŝ OTHER Page Residual Chlorine (Y/N) 00 O" ni qmaT GROUND WATER 2 뿔 RCRA Requested Analysis Filtered (YIN) Site Location STATE 62-11-1 42 m/v DATE DC 842 Z01-202 NPDES UST DC_WPCP_203-206 DC_CLOSURE_201-202 DC_811_204 DATE Signed (MMDpprv); SOZ_75Z_205 ACCEPTED BY / AFFILIATION The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately OC_257_204 OC 225 203 ♦ JesT eisylsnA N/A Одрес Methanol Company Name: Vistra Corp Jason Stuckey see Section A Na2S2O3 Preservatives HOSN holysan HÇI Invoice Information; EONH 1825 PS2H Section C Unpreserved Suote Reference: Project: Wanagor: Profile #: TIME Address: Ø # OF CONTAINERS 10 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION SIGNATURE of BAMPLER: JN/23 DATE 255 For There or Prese X271 57 TIME COLLECTED RELINQUISHED BY AFFILIATION N 6 1/11/23 of 8 1/11 25 1/11) 23 DATE Copy To: Jason Stuckey Section B Required Project Information Report To: Brian Voelker 2285 ē SAMPLE TYPE (G=GRAB C=COMP) urchase Order No.: roject Number: MATRIX CODE roject Name: Valid Matrix Codes OF030 DRINGING WATER WATER WASTE WATER PRODUCT SOURCE ID ŝ 10 day DC-Q1-2023 Rev Seenes X OR03D OM22D OM25D OM25S OR04D OM15 OM16 OM22S OM23D **OM23S** OM24D OR02 ADDITIONAL COMMENTS OM17 **OM12 OM21** (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Client Information Requested Due Date/TAT: Vistra Corp hone: (217) 753-8911 Section A Required Client Information: mail To: 9 ÷ 72 ೯ 7 10 16 ю 9 ထ ø LEM * N e) ۲

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Vistra Corp

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(NIN) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER (N/A) ъ Custody Casted Coor ICB (AVA) REGULATORY AGENCY OTHER Residual Chlorine (Y/N) Temp in "C GROUND WATER _ TIME RCRA Requested Analysis Filtered (Y/N) STATE Site Location PATE DC_845_201-202 NPDES UST DC_MbCb_203-206 DC_CLOSURE_201-202 1 DC_811_20¢ Zom Gellen DATE Signed (MM/DO/TY): DC_267_205 ACCEPTED BY / AFFILIATION DC 321 304 DC 567 203 4 taeT aieylsnA4 1 N /A 19rbO Methanol Company Name: Vistra Corp Jason Stuckey see Section A ye van \$O2S25N HOSN HCI Invoice Information: Attention: Jason HINO³ 'os^zH Section C 9 Unpreserved N X 710 Ä Quote Reference: Project Manager: Profile #: 7 NN N O # OF CONTAINERS SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER PRINT Name of SAMPLER; SAMPLE TEMP AT COLLECTION 12/2 PATE 22 248 CINO 10 1039 0 M ď. = O ~ COLLECTED REUNQUISHED BY / AFFILIATION 7.3 12/23 S 12/22 112/23 112/23 12 2/7 CATE 3 Section B Required Project Information: Sopy To: Jason Stuckey Report To: Brian Voelker 2285 0 S 0 SAMPLE TYPE (G=GRAB C=COMP) .. Order No.: 13 33 roject Number: BOOD XINTAM roject Name. Valid Murth Codes
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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND GA02365-26 DC-257-203 DRINKING WATER ď

REGULATORY AGENCY

GROUND WATER RCRA

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Compeny Name: Vistra Corp. Jason Stuckey

lopy To: Jason Stuckey

13498 E. 900th St Vistra Corp

urchase Order No.:

Brian. Voelker@VistraCorp.com

Email To:

Section B Required Project Information: sport To: Brian Voelker

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

Address: 13498 E. 900th St. Phone: (217) 753-6911 Fax: Project Number: 2285 Required Clent Information MATRIX CODE Society Of Mark With Matrix Codes Mark Mark With Matrix Codes Mark Mark With Mark Codes Mark Mark Mark Mark With Mark Mark Mark Mark Mark Mark Mark Mark	SAMPLE TEMP AT COLLECTION	Preservatives Na ₂ So ₄ H ₂ So ₄	### ##################################	NPDES UST Site Location STATE:	REGULATORY AGENCY GROUND WATER DRIN RGRA OTHER	Y AGENCY DRINKING WATER
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Sample IDS MUST BE UNIQUE Table	SAMPLE TEMP AT COLLECTION	Methanol Na ₂ S ₂ O ₃ Na ₂ O ₃ HCI HNO ₃ H*2O ₄	######################################	Requested Analysis Filtered (Y/N)	(N/A) P	
SAMPLE ID WITH WW CONTROL OF CONT	SAMPLE TEMP AT COLLECTION SAMPLE TEMP AT COLLECTION	Methanol Mass ₂ 0 ₃ HCI HOS HOS HSOO	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Į.		
	77	X X		C_846_201-202 C_WPCP_203-206 C_CLOSURE_201-202		(W/Y) sninolric (Y/W)
· G128 UTG [1/6/23]	1 2 X	×				
4 G50S						
5 G51L						
6 G51S						
7 G52L WT G 1116/12 1423		X				
8 G52S						
9 G53L						
10 G53S						
11 . G54L VI 6 1/16/23 1284	th W K	X				
12 · 6548 VIII 1 111 /23 1355	15 14 K	X				
13 = G55L W. G 1 / Ch /23 111/2	<u>ائا</u> اح	X				
14 . 6558 1716 1 / 16/13 12.13	3 LX	×				
16 G56L						
16 G56S						
ADDITIONAL COMMENTS RELINQUISHED BY AFFILATION DATE	DATE THE		ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
DC-Q1-2023 Rev 3	1/16/23 155	,				1
		doughter	of Med	1446/23	1551 40	1
SAMPLER NAME AND SIGNATURE	ID SIGNATURE				5.	(1)
PRINT Name of SAMPLER:	of SAMPLER:	Fundo	1	wa	ui ch	havie AY)
SIGNATURE of SAMPLER:	of SAMPLER:	- ANS	(MM/DD/YY): C	01/16/22		Pleck Pleck

CHAIN-OF-CUSTODY / Analytical Request Document

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

	Required Clant Information:	Required Project Information:	Imomat	tlon:			Section C Invoice infor	Section C Invoice information:	flon:												Раде	4	16	7
Company: VIs	Vistra Corp	Report of Brian Voelker	Voelk	.er			Attention:	E	Jason	Jason Stuckey	e v									•				
Address: 134	13498 E. 900th St	Copy To: Jasor	Jason Stuckey	key			Сошра	Сотрану Name:		Vistra Corp	d d								#	REGULATORY AGENCY	RY AC	SENCY		1
							Address:	26	S 988	Section A	<						NPDES	 	GROUN	GROUND WATER	۱,	DRINK	DRINKING WATER	"
Email To: Brit	Brian. Voelker@VistraCorp.com	Purchase Order No.:	:"0				Quote Reference:					1				_	UST		RCRA		0	OTHER		
Phone: (217) 753-8911	53-8911 Fax:	Project Name:					Project									L	3Ke L	Site Location	Ļ				1	l
Requested Due Date/TAT:	: DatesTAT: 10 day	Project Number, 2285	2285				Profile #											STATE:		=				
												L		S.	Requested		alysis	Filtere	Analysis Fiftered (Y/N)		-			
Section L Required C	Section D Valid Matrix Codes Required Clent information MATRIX CODE	SOD SOD	(av	COLLE	LECTED				reser	Preservatives	.,	† N/A			-			\vdash						
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e	G67L																	-						
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				SAMPLE	EK NAME AND SIGNAZUKE	NATURE	1		+		1	3				1	1	1	1	1	э.	(N uo j	elo(petn
					PRINT Name of SAMPLER:	MPLER:		1	Tol	2	6	6	1	non	ran	2					ug di	bevi (Y/N	(N/A) P CC	ᄣ
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DRINKING WATER

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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

Residual Chlorine (Y/N)

Project No./ Lab I.D.

REGULATORY AGENCY Page GROUND WATER ظ RCRA Requested Analysis Filtered (Y/N) Site Location STATE: DC 842 Z01-Z0Z NPDES UST DC_WPCP_203-206 OC CLOSURE 201-202 DC_811_204 OC 524 502 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC_257_204 DC_267_203 ↓ taeT sizyl6nA↓ N/A Other Methanol Vistra Corp Jason Stuckey see Section A Preservatives eOsssbN HOBN HCI Involce Informetion: ^EONH company Name: POS²H Section C Attention: ремесециер Address: Quote Reference: Project Maneger: Profile #; # OF CONTAINERS SAMPLE TEMP AT COLLECTION E S COLLECTED DATE Section B Required Project Information: Copy To: Jason Stuckey Report to: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. roject Number: (fiel of seboo bilev see) MATRIX CODE roject Name: Valid Matrix Codes Brian. Voelker@VistraCorp.com 10 day OR13D **OR13S** OR14D **OR14S OR19** OROGA **OR18** OR11 (A-Z, 0-8 / .-) Sample IDs AUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Clent Information

Requested Due Date/TAT:

ione: (217) 753-8911

Email To:

Vistra Corp

Company:

Address:

Section A Required Clent Information:

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OR20

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TEM #

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P36L

P37L R10L 16/23

SIGNATURE of SAMPLER:

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

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

	Vistra Corp	Report To: Brian Voelker	an Voe	sker				Attention: Jas	ii.	Jasor	Jason Stuckey	Key					Г									
	-									1		,					4						1			
Address: 1	13498 E. 900th St	Copy To: Jason Stuckey	son St	uckey				Comp	Company Name:		Vistra Corp	Sorp									REGUI	REGULATORY AGENCY	AGEN	ζ.		
			1					Address.	S	See S	see Section A	٨	9				01	NPDES	ES	Ğ	GROUND WATER	/ATER		DRINKING WATER	WATER	
	Brian.Voelker@VistraCorp.com	Purchase Order No.;	'No.;					Quote Reference:	:90									UST		2	RCRA		OTHER	95		
Phone: (217)	(217) 753-8911 Fax:	Project Name;						Project									-	Site	Sife Location	uo.			H			
equested Di	Requested Due Date/TAT: 10 day	Project Number: 2285	228	LO				Profile #	4								_		STATE	μi		=	-			
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Section	Section D Valid Matrix Codes Required Cliont Information MAIRIX CODE	odes CODE			COLLE	ECTED				Prese	Preservatives	8	ŧN/A													
Sam	SAMPLE ID WITE AND THE Sample IDS MUST BE UNIQUE	중문을 다 역 요즘 중 은 모 5	CO=D BYND=5) BALL FILINWS		DATE	T ME	NOITOETEMP AT COLLECTION	# OF CONTAINERS	H ⁵ 2O [†] Nubkesekkeq	HCI HCI	HOeV	VagS ₂ S ₂ O ₃ Viethanok	TesT sley(snA)	C_257_203	00,267,204	0C_257_205	OC CLOSURE 201-202	OC_WPCP_203-206	0C_845_201-202				Residual Chlorine (Y/N)	Proies	Project No./ Lab.LD	2
	, T44L	100			6/13	11 W	-	1		X			-	_	_		-			\vdash		H	+			
	, T45L	3	3	-	6173	1225	~	2	X	×										H			\vdash			
6	T46L	7	5	1/3	1.123	12,0		10	×	X																
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ă	DC-Q1-2023 Rev 3	5	4	K	M		116/23	~	185				1					1		+		+	-		3	
			1								A	Aorea	K	10	76	Mai	1	-3	16/23		15.51	7,	V	1	1	7
					SAMPLE	SAMPLER NAME AND SIGNATURE	HGNATUR	أبيا		10m	Car	1	1		1	7						D. 4			191000	tosini .
									1	5	10.	1	5	int	all ve		1	-	1110	1		- T	_	() ao	Dele NY)	(AN

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACEION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203 G02S WELL/SAMPLE POINT Purge Method: Start Time: Finish/Sample Time: Date: 29.05 topof pump Min. Purge Volume: Well Depth (Bottom) From MP: Total Purge Volume: Depth to Water From MP: Max Drawdown: Water Column Length: Total Drawdown: Well Water Volume: Gal / L Reading Time Depth Flow Rate pΗ Spec Cond Temp ORP DO Turb mL/min umhos/cm deg C m٧ NTU (Units) ft. 8.U. mg/L 10 800 10 2 10 3 4 5 ± 10% or 0.2 NA Stabilization NA NΑ NΑ ± 3% ± 0.2 ± 20 ± 0.2 Well Integrity No Field Meter: Well has ID sign Casing locked/secure Sample Appearance: Odor: None None ☐ Slight □ Mod. □ Strong Well cap fits securely. ☐ Mod. Good seal/drainage Color None □ Slight ☐ Strong Turb: None □ Slight □ Mod ☐ Strong Well has weep holes **BOTTLE INFORMATION:** Filtered Unfiltered **Bottles** Qty **Bottles** Qty Metals (P,250mL, HNO3) VOAs (C,V, 40mL, HCL) Ammonia (P,250mL, H2S04) VOAS (C, V, 40mL) General (P,500mL) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P. 20 mL) 1000 n Final DTW:

Comments

Sampler's Signature:

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACTORING AND DC-257-203

WELL/SAM	IPLE POINT	G5	ios		Purge N	Method:	Comp	ressor	
Date:	01/10	1/23	Start Time:	140	0	Finish/Sa	ample Time	144	10
Well Depth	(Bottom) Fro	m MP:	37.30	ft		Min. Purge	/olume:		Gal / L
Depth to Wa	ater From Mi	P:	1694	fl		Total Purge	Volume:	1.00	Gal / L
Water Colu	mກ Length:		20.36	ft		Max Drawo	lown:		ft
Well Water	Volume:		12.33	Gal / L		Total Drawd	own:	3.55	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/mln)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1421	19.35	100	6.81	669	10:45	83	3-85	000
2	1422	19.41	100	6-81	6. HI 67	10.57	82	3.47	0.00
3	1453	19.54	100	6.80	671	10.50	81	3-80	0.00
4					-				
5									
Stabilization	NA	NA NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		Ho	RIBA			Well Integri		Yes	No
Sample App	earance:					Casing lock		1/	
	/	Slight	Mod. □	Strong		Well cap fits			
	,				-			-	
				Strong	-	Good seal/d		-	
Turb: 🔁	b: ⊠None □ Slight □ Mod □		Mo₫ □	Strong		Well has we	ep holes		
BOTTLE IN	FORMATIO	N:							
		Itered				Filte	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	0mL, HCL)				Metals (P,250	mL, HNO3)		
	VOAS (C,V,	40mL)		C.		Ammonia (P,	250mL, H2S0)4)	
	Organics (A,0			(4)	(General (P,50	00mL)		
	Organics (A,0								
-	TOC (A,V 40								0
		0mL, H2SO4)			-				
-	Metals (P,250	250mL, NaOH)				_			
		,250mL, H2SC							
-		50 mL) 100							
	Contrar (1 12								
							00		
					Final	DTW:	20.	44 ft	
Comments									
					-	2))	
			Sampler's S	ignature:	//			2	
				/	-				

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTLY COLOR REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

WELL/SAN	IPLE POINT	G5	51S		Purge !	Method:	Con	PRESTOR	
Date:	01/12	2/23	Start Time:	1458	5	Finish/S	ample Time	152	2
Well Depth	(Bottom) Fro	om MP:	32.17	ft		Min. Purge	Volume:		Gal / L
Depth to Wa	ater From Mi	P:	16-69	ft		Total Purge	Volume:	1.00	Gal (C)
Water Colu	mn Length:		15.48	ft		Max Drawo	down:		ft
Well Water	Volume:		_	Gal (C)		Total Drawd	lown:	2.15	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	1511	18-25	100	6.42	1005	11.53	105	2.59	0.00
2	1512	18.34	100	6.42	1006	11.54	103	2.48	0.00
3	1513	18.45	100	6.42	1000	11.48	102	254	0.00
4	-								
5									
Stabilization	NA	NA NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter: Sample App Odor:	pearance;		Mod.	Strong	-	Well Integri Well has ID Casing lock Well cap fits	sign ed/secure	Yes	No
Color 🗷	7			Strong	-	Good seal/d		1	
Turb:	None 🗆	Slight	Mod 🗆	Strong		Well has we	ep holes	/	
BOTTI E IN	FORMATIO	N.							
DOTTEE IN		Itered				Filt	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	10mL, HCL)		(0)	1	Metals (P,250	mL, HNO3)		
	VOAS (C,V, 4	40mL)		(α)		Ammonia (P,	250mL, H2S0)4)	
	Organics (A,0				1	General (P,50	00mL)		
	Organics (A,0								
	TOC (A,V 40)								
		0mL, H2SO4)		1 1 0 1					
	Metals (P,250	250mL, NaOH)							
		,250mL, H2S0							
	General (P, 2		- 1)						
		,							
Comments					Final	DTW:	18.8	34 ft	
	-		Sampler's S	ignature:	1		2	2	

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

WELL/SAM	PLE POINT	G5	54L		Purge I	Method:	Bai	W		
Date:	1-16	23	Start Time:	12:	19	Finish/S	ample Time	12:5	9	
Well Depth	(Bottom) Fro	m MP:	40.30	ft		Min. Purge	Volume:	8.4	Gal / L	
Depth to Wa	ater From MP	·:	26.35	ft		Total Purge	Volume:	25.3	Gal / L	
Water Colu	mn Length:		13,95	fl		Max Draw	down:	-	fl	
	_							1470	, "	
Well Water	Volume:		2,2	Gal / L		Total Drawo	down:		fl	
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb	
(Units)		(ft.)	(mL/mln)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)	
11	12.28	3031	1	7.10	1380	11.73	-31	4.24	68.7	
2	12:34	30.01		6.95	1,370	11:76	-30	4.12	66.4	
3	12:40	3203		6.89	1,380	11.79	-27	3.98	65.5	39
4	~								_	
5										
							-			
Stabilization	NA	NA_	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA	
Sample Apr	Andrones.					Well has ID		1/		
	None 🗆			Strong		Casing lock Well cap fits	ed/secure	V		
Odor: G	None 🗆			Strong Strong	-	Casing lock	s securely.	V		
Odor: []	Mone □	Slight [Mod. □		-	Casing lock Well cap fits	sed/secure s securely. drainage	V		
Odor: G Color G Turb: 🗷	None □	Slight Slight	Mod. □	Strong	-	Casing lock Well cap fits Good seal/o	sed/secure s securely. drainage	V,		
Odor: G Color G Turb: 🔊	Mone □	Slight Slight I:	Mod. □	Strong		Casing lock Well cap fits Good seal/o Well has we	sed/secure s securely. drainage	V,		
Odor: G Color G Turb: 🖸	None None None FORMATION Unflit	Slight Slight Slight	Mod. □	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we	drainage eep holes	V,		
Odor: G Color G Turb: SOTTLE IN	None None None None FORMATION Unflit Bottles VOAs (C,V, 44	Slight Slight I: Pered DmL, HCL)	Mod. □	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,256	eed/secure s securely. drainage eep holes ered 0mL, HNO3)	1		
Odor: G Color G Furb: S	None	Slight Slight I: Pered OmL, HCL)	Mod. □	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Furb: S	None	Slight Slight	Mod. □	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,256	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Furb: SOTTLE IN	None	Slight Slight Slight Sight	Mod. □	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Turb: SOTTLE IN	None	Slight Slight Slight Slight Sight Sered SumL, HCL) SumL, HCL) SumL) SumL 1000mL) SumL 500mL) SumL, H2SO4)	Mod. []	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Furb: SOTTLE IN	FORMATION Unfilit Bottles VOAs (C,V, 44 VOAS (C,V, 44 Organics (A,G Organics (A,G TOC (A,V 40rd TOX (A,G 250) Metals (P,250)	Slight Sl	Mod. []	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Furb: SOTTLE IN	FORMATION Unflitt Bottles VOAS (C,V, 4t) VOAS (C,V, 4t) Organics (A,G) Organics (A,G) TOC (A,V 40n) TOX (A,G 250) Metals (P,250) Cyanide (P, 250)	Slight Slight Slight Slight Slight Slight Sight	Mod. []	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Turb: SOTTLE IN	FORMATION Unfilt Bottles VOAS (C,V, 44 VOAS (C,V, 44 Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 25) Phenols (A,G,	Slight Slight Slight Slight Slight Sight Sered DmL, HCL) DmL, HCL) DmL, HCL) DmL, H2SO4) mL, H2SO4) mL, H2SO4) mL, HNO3) DML, H2SO4) 250mL, H2SO	Mod. []	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Turb: S BOTTLE IN	FORMATION Unflit Bottles VOAS (C,V, 44 VOAS (C,V, 44 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 25 Phenols (A,G General (P, 25	Slight Slight Slight Slight Slight Sight Sered DmL, HCL) DmL, HCL) DmL, HCL) DmL, H2SO4) mL, H2SO4) mL, H2SO4) mL, HNO3) DML, H2SO4) 250mL, H2SO	Mod. []	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	1		
Odor: G Color G Turb: S BOTTLE IN	FORMATION Unfilt Bottles VOAS (C,V, 44 VOAS (C,V, 44 Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 25) Phenols (A,G,	Slight Slight Slight Slight Slight Sight Sered DmL, HCL) DmL, HCL) DmL, HCL) DmL, H2SO4) mL, H2SO4) mL, H2SO4) mL, HNO3) DML, H2SO4) 250mL, H2SO	Mod. []	Strong	Qty	Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	drainage eep holes ered 0mL, HNO3) 250mL, H2S0	04)		
Odor: G Color G Turb: S BOTTLE IN	FORMATION Unflit Bottles VOAS (C,V, 44 VOAS (C,V, 44 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 25 Phenols (A,G General (P, 25	Slight Slight Slight Slight Slight Sight Sered DmL, HCL) DmL, HCL) DmL, HCL) DmL, H2SO4) mL, H2SO4) mL, H2SO4) mL, HNO3) DML, H2SO4) 250mL, H2SO	Mod. []	Strong		Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P, General (P,50)	drainage eep holes ered 0mL, HNO3) 250mL, H2S0	04)		
Odor: G Color G Turb: S BOTTLE IN	FORMATION Unflit Bottles VOAS (C,V, 44 VOAS (C,V, 44 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 25 Phenols (A,G General (P, 25	Slight Slight Slight Slight Slight Sight Sered DmL, HCL) DmL, HCL) DmL, HCL) DmL, H2SO4) mL, H2SO4) mL, H2SO4) mL, HNO3) DML, H2SO4) 250mL, H2SO	Mod. []	Strong		Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. drainage eep holes ered 0mL, HNO3) 250mL, H2S0	04)		
Odor: G Color G Turb: S BOTTLE IN	FORMATION Unflit Bottles VOAS (C,V, 44 VOAS (C,V, 44 Organics (A,G Organics (A,G TOC (A,V 40n TOX (A,G 250 Metals (P,250 Cyanide (P, 25 Phenols (A,G General (P, 25	Slight Slight Slight Slight Slight Sight Sered DmL, HCL) DmL, HCL) DmL, HCL) DmL, H2SO4) mL, H2SO4) mL, H2SO4) mL, HNO3) DML, H2SO4) 250mL, H2SO	Mod. []	Strong		Casing lock Well cap fits Good seal/o Well has we Filt Bottles Metals (P,250 Ammonia (P, General (P,50)	drainage eep holes ered 0mL, HNO3) 250mL, H2S0	04)		

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

WELL/SAM	PLE POINT	G5	45			Method:	MP	50	
Date:	1-16	-73	Start Time:	13.0	14	Finish/S	ample Time	13:	55
Well Depth	(Bottom) Fro	m MP:	51.26	ft		Min. Purge	Volume:	1.0	Gal / L
Depth to Wa	ater From Mi	o ;	26.02	-ft		Total Purge	Volume:	1.3	Gal / L
Water Colu	nn Length:		25,2	Zitt		Max Drawo	down:		ft
Well Water	Volume:		4,0	Gal / L		Total Drawd	lown:	7.03	ft
Reading	Time	Depth	Flow Rate	рH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	13:22	29.03	100	7.15	0,973	11,69	-77	6.43	58.0
2	13:23	29.41	100	7.06	0,963	11.81	-74	6.28	52.6
3	13:24	29.92	100	6.92	0947	11.97	-65	6.11	53.8
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:	\	Hal	iBa			Well Integri	tv	Yes	No
					-	Well has ID		V	- 1
Sample App	earance:					Casing lock		1/	
Odor:	None 🗆	Slight	Mod. □	Strong		Well cap fits	securely.	V	
Color 🗷	None 🗆	Slight □	Mod. □	Strong		Good seal/d	Irainage	V	
Turb:	None □	Sfight	Mod □	Strong		Well has we	ep holes	V	
DOTTI E IAII	FORMATION								
BOTTLEIN	FORMATION Unfile			11		Eile	ered	-	
Qty	Bottles	rei eu		7	Qty	Bottles	ered	-	
	VOAs (C,V, 4	OmL, HCL)		Y	4.5	Metais (P,250	mL. HNO3)		
	VOAS (C,V, 4			h		Ammonia (P,		04)	
	Organics (A,C				1	General (P,50			
	Organics (A,C	6,U 500mL)							
	TOC (A,V 40r	nL, H2SO4)							
	TOX (A,G 250	mL, H2SO4)							
	Metals (P,250								
		50mL, NaOH)							
		250mL, H2SO	(4)						
-	General (P, 2		0						
	1000	NIL	P						
					Final	DTW:	33.0	5 ft	
Comments	* 947	(II)							
	-	-							
				-	7/1/1/1	1			
			Sampler's S	ignature:	Um	V			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT ACKLIBETOND DC-257-203

WELL/SAM	PLE POINT	G5	75		Purge N	/lethod:	Com	PRESSER	
Date:	01/16	2/23	Start Time:	1649		Finish/S	ample Time	1122	
Well Depth	(Bottom) Fro	m MP:	37.40	ft		Min. Purge	Volume:		Gal / L
Depth to Wa	ater From Mi	P:	28.58	ft		Total Purge	Volume:	1.00	Gal (2)
Water Colu	mn Length:		8.82	ft		Max Draw	down:	_	ft
Well Water	Volume:		5.34	Gal (1)		Total Draw	down:	1.48	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	00	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1109	29.30	100	6 80	1010	9.57	202	4.24	0.00
2	1110	29.55	100	6.79	1010	9.49	205	4.51	000
3	III	29.77	100	6.74	1016	9.21	208	3.99	0.00
4	-								
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		110	RIGH			Well Integr	rity	Yes	No
						Well has It			
Sample App	earance:					Casing loci	ked/secure	V	
Odor:	None [] Slight □	Mod.	Strong		Well cap fit	s securely.	1	
				Strong	-	Good seal/		1.72	
Turb:	None 🗆	Slight	Mod □	Strong		Well has w	eep holes	V	
BOTTI E IN	FORMATIO	N.							
BOTTLE IN		Itered		ĺ		Fil	tered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V,	40mL, HCL)			i	Metals (P,25	0mL, HNO3)		
	VOAS (C,V,	40mL)				Ammonia (P	,250mL, H2S0	04)	
	Organics (A,	G,U 1000mL)		(4)	- 1	General (P.5	i00mL)		
	Organics (A,								,
	TOC (A,V 40								
		0mL, H2SO4)							
1	Metals (P,25				-				
		250mL, NaOH)				-			
		6,250mL, H2S0				-			
	General (P,	250 mL) [00	301						
					Final	DTW:	30.0	DO #	
Comments									
						-		-	
			0		///	1	~		
			Sampler's S	ignature:	11				

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

WELL/SAM	IPLE POINT	G6	0S		Purge i	Method: -	COMP	DOBHER	SIRL
Date:	01/12	123	Start Time:	1145		Finish/Sa	ample Time	133	8
Well Depth	(Bottom) Fre	om MP:	39.20	ft		Min. Purge	Volume:		Gal / L
Depth to W	ater From M	IP:	28.40	ft		Total Purge	Volume:	1.00	Gal 🖒
Water Colu	mn Length:		10.80	ft		Max Drawo	down:		ft
Well Water	Volume:		6.54			Total Drawd	lown:	1.25	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1327	28.95	100	6.76	987	10.83	112	6.96	220
2	1328	29.03	100	6.64	992	10.85	112	6.95	212
3	13.29	29.18	100	6.65	990	10.80	112	6-92	218
4									
5	_	-							-
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Ciald Mater		Ц	A			18/-11 1-4	4.	V	NI
Field Meter:		FIOR	IBA			Well Integri Well has ID		Yes	No
Sample App	voorance.					Casing lock			
				Strong	-	Well cap fits	securely.		
Color [None D	Slight 🗆	Mod.	Strong		Good seal/o	rainage	-	
Turb: □	None 🔑	7 Slight □	Mod □	Strong		Well has we	ep holes		
BOTTLE IN	FORMATIO	N.							
DOTTEL III		iltered		1		Filt	ered		100
Qty	Bottles				Qty	Bottles			
	VOAs (C,V,	40mL, HCL)		0	1	Metals (P,250	mL, HNO3)		
	VOAS (C.V.			(11)		Ammonia (P,		04)	
	Organics (A,	G,U 1000mL)		(7	1	General (P,50	00mL)		
	Organics (A.								
	TOC (A,V 40	mL, H2SO4)							
	TOX (A,G 25	50mL, H2SO4)							
(Metals (P,25	OmL, HNO3)							
		250mL, NaOH)							
	Phenols (A,C	3,250mL, H2S0	04)						
1	General (P,	250 mL) /00	Bac						
Comments	BLADO	IER DID	w+Wa	K USED		DTW:	29.	(95 ft	
				,	The state of the s				
						2		/	
			Sampler's S	ignature:	19)/	1	7	
				/	///				

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEM ENTERCOLING OND DC-257-203

WELL/SAN	PLE POINT	Ge	OL		Purge N	lethod:	COMP	NESSOR_	
Date:	01/1	2/23	Start Time:	120	7	Finish/S	ample Time:	124	8
Well Depth	(Bottom) Fro	om MP:	27.00	ft		Min. Purge	Volume:		Gal / L
Depth to W	ater From Mi	P:	24,05	ft		Total Purge	Volume:	1.00	Gal 🕡
Water Colu	ımn Length:		2.95	ft		Max Draw	down:	_	fit
Well Water	•			Ga		Total Drawo	down:	0.95	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
11	1221	25.00	100	5.90	1000	10.07	160	1-32	6-10
2	12.22	25.00	100	5.91	1000	1005	157	0.98	3.30
3	1223	25.00	100	5.90	993	10.18	155	0.84	2.40
4									
5									
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter	:	HOR	IBA			Well Integr		Yes	No
Sample Ap	pearance:					Casing lock	ed/secure		
Odor:	Z None □	Slight 🗆	Mod. □	Strong		Well cap fit	s securely:	/	
Color	None E	Slight	Mod. □	Strong		Good seal/o	drainage	/	
Turb:	None 🗵	rSlight 🗆	Mod 🗆	Strong		Well has we	eep holes	~	
BOTTLE IN	FORMATIO	N:							
		Itered				Filt	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	10mL, HCL)		(1)		Metals (P,25			
	VOAS (C,V,	40mL)				Ammonia (P.	,250mL, H2S0	04)	
	Organics (A,			_		General (P,5	00mL)		
	Organics (A,								
	TOC (A,V 40				-		-		
- 1		0mL, H2SO4)				-			
	Metals (P,25)	250mL, NaOH)							
		3,250mL, H2S(
1		160-mL) (0(
			77.70						P.
				1	Final	DTW:	25	100 n	25.50
Comments									
))	
			Sampler's S	signature:/		7		2	
						(8	-		

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY FOND DC-257-203

WELLISAN	IPLE POINT	G6	4L		Purge I	Method:	SUBH	FRSDACE	
Date:	01/10	1/23	Start Time:	130	-(Finish/Sa	ample Time	132	7
Well Depth	(Battom) Fro	om MP:	30.46	ft		Min. Purge	Volume:		Gal / L
Depth to W	ater From M	IP:	N-36	ft		Total Purge	Volume:	1.00	Gal 🔎
Water Colu	mn Length:		3.71	ft		Max Drawo	down:		ft
Well Water	Volume:		224	Gal / L		Total Drawd	own:	1.14	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1315	26.98	100	6-63	942	12.78	57	0.98	183
2	1316	27,22	100	6.64		1261	56	0.81	172
3	1317	27.40	00	6.63	942	12.77	54	0.60	169
4	F								
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		Ho	Z ZBA			Well Integri		Yes	No
Sample App	earance:					Casing locke		/	
Odor: 🛭	None [□ Slight □	Mod. □	Strong		Well cap fits	securely.		
Color 15	None [☐ Slight ☐	Mod. □	Strong		Good seal/d	rainage		
Turb:	None E	Slight □	Mod □	Strong		Well has we	ep holes	/	
BOTTLE IN	FORMATIO	N:							
		Itered				Filte	red		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V,	40mL, HCL)		(h)	1	Metals (P,250	mL, HNO3)		
	VOAS (C,V,			$ (\neg j) $		Ammonia (P,2		4)	
		G,U 1000mL)			1	General (P,50			
	Organics (A,								
		mL, H2SO4)							
		50mL, H2SO4)							
1	Metals (P,25								
		250mL, NaOH)							
		3,250mL, H2SC							
		250 mL) 100							
Comments					Final	DTW:	27.	. 39 A	
			Sampler's S	ignature:	7		2-72	Contraction of	

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

WELL/SAN	IPLE POINT	G6	48		Purge N	Method:	Com	PAES SOF	
Date:	01/14	/25	Start Time:	122	1	Finish/S	ample Time	1302	
Well Depth	(Bottom) Fro	om MP:	39.50	ft		Міл. Purge '	Volume:	*	Gal / L
Depth to W	ater From M	P: (27.40)ft		Total Purge	Volume:	1.00	Gal /
Water Colu	mn Length:		11.80	ft		Max Drawo	down:		ft
Well Water	Volume:		7-14	Gal / L		Total Drawd	lown:	1,00	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1248	28.57	100	6.92	747	12.11	98	5.32	0.00
2	1249	28.00	100	6.84	750	12.15	90	3.68	0.00
3	1250	28,70	100	6.77	766	12.21	65	2.32	0.00
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		11 -				C			
Field Meter	:	10K	JBA		-	Well Integri		Yes	No
Comple An						Well has ID		-	
Sample Ap						Casing lock		1	
Odor:	None E	3 Slight □	Mod. □	Strong		Well cap fits	s securely.	/	
Color 5	None D	Slight	Mod. □	Strong		Good seal/o	Irainage	/	
Turb:	None [Slight	Mod 🗆	Strong		Well has we	ep holes	/	
207151									
BOLLFIN	FORMATIO	N: Itered				F:N.	ered		1
Qty	Bottles	itered		_	Qty	Bottles	erea		
Gry	VOAs (C,V,	40ml HCL)		at	T T	Metals (P,250	3ml HNO31		
	VOAS (C,V,			12mg		Ammonia (P,)4)	
		G,U 1000mL)			1	General (P,50		.,	
	Organics (A,			(4)					
		mL, H2SO4)		0					
	TOX (A,G 25	0mL, H2SO4)							
- 1	Metals (P,25	0mL, HNO3)							
	Cyanide (P,	250mL, NaOH)							
		3,250mL, H2SC							
1	General (P, 4	250 mL) 154	90						
							28.	70	1
					Final	DTW:	∞o .	ft ft	
Comments									
					-			_/_	
			Sampler's S	ianaturo:	6/		12		
			Camplel 8 3	gnatule.	/				

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTLY COULD REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

Date:	16-Jan-	23	_ Start Time:	1009		lethod: Finish/Sa	ample Time	1023	
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO T	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU
1	1020	4.5	-	9.74	1326	699	188	3.08	0,0
	10			6	\$321eD		-0		
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
ample App dor: [Dearance: None	Slight [□ Mod.	Strong	-				
Sample App Odor: © Color #	None None	Slight I	□ Mod.		-				
Sample App Odor: © Color #	oearance: None None None None None	Slight I	□ Mod.	Strong	-	Filte	ered		
Sample App Odor: © Color # Furb: 7	oearance: None None None None None	Slight I	□ Mod.	Strong	Qtty	Filte Bottles	ered		
Sample App Odor: © Color #	Pearance: None None None None Unfil	Slight [Slight [Slight [N:	□ Mod.	Strong	Qty				
Sample App Odor: © Color # Furb: 7	None Unfill Bottles VOAs (C,V, 4	Slight Day	□ Mod. □ S	Strong		Bottles	mL, HNO3)	04)	
Sample App Odor: © Color # Furb: 7	None Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,0)	Slight [Slight [Slight [Slight [N: tered 10mL, HCL) 10mL) 3,U 1000mL)	□ Mod. □ S	Strong		Bottles Metals (P,250	mL, HNO3) 250mL, H2S0	04)	
Sample App Odor: © Color # Furb: 7	Poearance: None Display None D	Slight [Slight [Slight [Slight [N: Itered 100mL, HCL) 140mL) 13,U 1000mL) 13,U 500mL)	□ Mod. □ S	Strong		Bottles Metals (P,250 Ammonia (P,2	mL, HNO3) 250mL, H2S0	04)	
Sample App Odor: © Color # Furb: 7	None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40)	Slight [Slight [Slight [Slight [Slight [N: Itered DmL, HCL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4)	□ Mod. ☑ S □ Mod □ S	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL)	04)	
Sample App Odor: © Color # Furb: 7	None Unfill Bottles VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25)	Slight [Slight [Slight [Slight [Slight [N: Itered DmL, HCL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4	□ Mod. ☑ S □ Mod □ S	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0	04)	
Sample App Odor: © Color # Furb: 7	Poearance: None None None Unfill Bottles VOAs (C,V, 4 VOAs (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,250	Slight I Slight I Slight I Slight I N: N: Nered IOmL, HCL) 40mL) 3,U 1000mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4	□ Mod. □ S □ Mod □ S	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL)	04)	
Sample App Odor: © Color # Furb: #	Poearance: None None None FORMATION Unfil Bottles VOAs (C,V, 4 VOAs (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 25)	Slight Sl	Mod. ØS	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL)	04)	
Sample App Odor: © Color # Furb: 7	Poearance: None None None Unfill Bottles VOAs (C,V, 4 VOAs (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,250	Slight [N: Itered OmL, HCL) HOML) HOML) HOML HOML HOML HOML, HOMA H	Mod. ØS	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL)	04)	
Color # Furb: 7	None Unfill Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G	Slight [N: Itered OmL, HCL) HOML) HOML) HOML HOML HOML HOML, HOMA H	Mod. ØS	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL)	04)	
Sample App Odor: © Color # Furb: 7	None Unfill Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G	Slight [N: Itered OmL, HCL) HOML) HOML) HOML HOML HOML HOML, HOMA H	Mod. ØS	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL))4)	
Sample App Odor: © Color # Furb: 7	None Unfill Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G	Slight [N: Itered OmL, HCL) HOML) HOML) HOML HOML HOML HOML, HOMA H	Mod. ØS	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL)	04)	
Sample App Odor: © Color # Furb: 7	None Unfill Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G	Slight [N: Itered OmL, HCL) HOML) HOML) HOML HOML HOML HOML, HOMA H	Mod. ØS	Strong		Bottles Metals (P,250 Ammonia (P,2 General (P,50	mL, HNO3) 250mL, H2S0 0mL)	04)	

	Mult	ipar	ameter N	1e	ter	Field	d Ca	libration	Checklist		
Field Personnel:	KL		JR			Lo	cation:	Duck	CCI	reek	
Weather:	440	200	dy win	d	4mp	Enviro	nment:	mud	19500	3	
Multiparameter	Water Meter	Make:	Horiba	М	odel:	V-50	000	Serial Number:	0401	FVT	F
Water Lev	el Meter	Make:	Heren	М	odel:	Dipas	Tue	Serial Number:	198622	0213	IML
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibr	rate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	61.08	5.U.	±0.1 s.u.	7		./\/		1	MSI	L344-09	12/14/2023
рН 7.00а	6.98	s.u.	±0.1 s.u.	1	1	1			MS!	L343-07	12/9/2023
pH 10.00a	10.82	s.u.	±0.1 s.u.					1	MSI	M082-04	3/25/2024
SC Zero (DI)	20.92	μS/cm	0<25 μS/cm						Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2,045	μS/cm	±5%						Geotech	2GE1442	May-23
ORP	228	mV	±15 mV						InSitu	2G1762	Jun-23
DO (Zero pt)	0.01	mg/L	±0.1						Macron	#000228049	8/26/2025
DO (Saturated)	90,54	%	97-100%						Pace Labs	N/A (DI)	N/A (DI)
Turbidity (Di)	1.21	NTU	<2 NTU	,000			-	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unless only on	e well						-	1		
ICV	(Initial Calibration	ation V	'erification)				Time:	850			
Buffer	Check Value	Units	Range	Pas	s/Fail			n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.96	s.u.	±0.15 s.u.		2		Λ/		Geotech	2GC243	Mar-24
pH 7.00b	7.01	s.u.	±0.15 s.u.				- 1	7	Geotech	2GC931	Mar-24
pH 10.00b	10.08	s.u.	±0.15 s.u.				1	_	Geotech	2GE820	May-24
	13017	μS/cm	±5%		F		951	6 Recal	Ricca	4205H64	May-24
Approx. every 4 h		e well								10-5-1	
CCV (Continue	d Calibration	Verific	ation):				Time:	1548			
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibr	rate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	S.U.	±0.1 s.u.	_	D	A /	/	1/	MSI	L315-04	11/22/2023
pH 7.00a	7.92	S.U.	±0.1 s.u.		1	1		7	MSI	L172-33	6/23/2023
pH 10.00a	10.07	S.U.	±0.1 s.u.		1				MSI	L354-22	1/5/2024
SC 1000	1997	μS/cm	±5%						Ricca	2108D48	Jul-23
DO (Zero pt)	0.05	mg/L	±0.1 mg/L			1			Macron		8/26/2025
Turbidity (DI)	00	NTU	<2 NTU				/	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well						7			
CCV (Continue	d Calibration	Verific	ation):				Time:				
Buffer	Check Value	Units	Range	Pag	s/Fail	Calib		Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	CHECK VAIGE	S.U.	±0.1 s.u.	1 03	.5, 1 01	CONTO		- Mjaseca Nedarije	MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.						MSI	L172-33	6/23/2023
10.00a		5.U.	±0.1 s.u.						MSI	L354-22	1/5/2024
SC 1000		μS/cm	±5%						Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L						Macron		8/26/2025
Turbidity (DI)		NTU	<2 NTU						Pace Labs	N/A (DI)	N/A (DI)
Comments: Signature:	Jan	ph	Roed				Date:	1/11	23		
	0	-						- 1	1		

Field Personnel:	1101101		m bellon		Location:	Dock	creen		
Weather:	43°- 5	201	St 3mpr		Environment:	yeass,	in m	ł	
Multiparamete	r Water Meter	Make:	Horiba	Model:	U-5000	Serial Number:	YL9K	J9 4	IA
Water Lev	vel Meter	Make:	SOLINSL	Model:	lol	Serial Number:	252	879	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	5.U.	±0.1 s.u.	P	No	NA	M\$I	L344-09	12/14/2023
pH 7.00a	6.96	S.U.	±0.1 s.u.	1/1	1	1	MSI	L343-07	12/9/2023
pH 10.00a	10.04	s.u,	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	19.0	µS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2060	μ5/cm	±5%				Geotech	1GK328	Nov-22
ORP	243	mV	±15 mV				InSitu	2GC827	Dec-22
DO (Zero pt)	0.04	mg/L	±0.1	1			Macron	#000228049	8/26/2025
DO (Saturated)	-	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.2	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	ie weli					249001		
ICV	(Initial Calibr	ation V	erification)		Time:	0859			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	7.02	s.u.	±0.15 s.u.	P	N	/A	Geotech	2GC243	Mar-24
pH 7.00b	6.88	s.u.	±0.15 s.u.	11	T		Geotech	2GC931	Mar-24
pH 10.00b	9.96	S.U.	±0.15 s.u.				Geotech	2GE82D	May-24
SC 1000	1040	μS/cm	±5%				Ricca	4205H64	May-24
Approx. every 4 h	rs, unless only or	e well							
CCV (Continue	d Calibration	Verific	ation):		Time:	1450			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	S.U.	±0.1 s.u.	0	ho	MA	MSI	L315-04	11/22/2023
pH 7.00a	4,07	5.u.	±0.1 s.u.	1	100	1	MSI	£172-33	6/23/2023
pH 10.00a	10-07	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	1020	μS/cm	±5%		-		Ricca	2108D48	Jul-23
DO (Żero pt)	0.00	mg/L	±0.1 mg/L				Macron		8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU		1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h								1.47.17	14/11 (01)
CCV (Continue			ation):		Time:		1		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		S.u.	±0.1 s.u.	1		7.7.7.	MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
		5.U.	±0.1 s.u.		-		MSI	L354-22	1/5/2024
10.00a		µS/cm	±5%				Ricca	2108D48	Jul-23
		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
10.00a SC 1000 DO (Zero pt)				1			Pace Labs	N/A (DI)	N/A (DI)
SC 1000		NTU	<2 NTU				LOCK FORD	114/12 (201)	
SC 1000 DO (Zero pt)		NTU	<2 NTU				Trace Labs	[MA (DI)	

SC 1000 /OPG μS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) OPG mg/L ±0.1 mg/L Macron #000228049 8/26/20 Turbidity (DI) / 2 γ NTU <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time: Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 4.00a S.u. ±0.1 s.u. MS1 L315-04 11/22/21 7.00a S.u. ±0.1 s.u. MS1 L172-33 6/23/20 10.00a S.u. ±0.1 s.u. MS1 L354-22 1/5/202 SC 1000 μS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/20 Macron #000228049 #0	The state of the s	100	21001	TO17 2101				11101	F41 F 00	9,23,2023
DO (Zero pt) OOJ mg/L ±0.1 mg/L ±0.1 mg/L Macron #000228049 8/26/20	pH 10.00a	9.98	5.Ų.	±0.1 s.u.				MSI	L354-22	1/5/2024
DO (Zero pt) O_O_Q mg/L ±0.1 mg/L Macron #000228049 8/26/200 Turbidity (Di) / 2 m NTU <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 4 hrs, unless only one well	SC 1000	1000	μS/cm	±5%			1	Ricca	2108D48	Jul-23
Turbidity (DI) / 2 η NTU <2 NTU Pace Labs N/A (DI) N/A (DI) Approx. every 4 hrs; unless only one well CCV (Continued Calibration Verification): Buffer. Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 4.00a s.u. ±0.1 s.u. MSI L315-04 11/22/2 7.00a s.u. ±0.1 s.u. MSI L172-33 6/23/20 10:00a s.u. ±0.1 s.u. MSI L354-22 1/5/202 86 1000 μ5/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/20	DO (Zero pt)	-	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
CCV (Continued Calibration Verification): Time: Buffer. Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 4.00a s.u. ±0.1 s.u. MSI 1315-04 11/22/2 7.00a s.u. ±0.1 s.u. MSI 1172-33 6/23/20 10:00a s.u. ±0.1 s.u. MSI 1354-22 1/5/202 SC 1000 μS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/20	Turbidity (DI)	7.	NTU	<2 NTU	1-	-	+	Pace Labs	N/A (DI)	N/A (DI)
Buffer Check Value Units Range Pass/Fall Calibrate? Adjusted Reading Manufacturer Lot# Exp.	Approx. every 4 hi	s, unless only of	ie well		1	1	1			
4.00a s.u. ±0.1 s.u. MS1 £315-04 11/22/2 7.00a s.u. ±0.1 s.u. MS1 £172-33 6/23/20 10.00a s.u. ±0.1 s.u. MS1 £354-22 1/5/202 5C 1000 μS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/20	CCV (Continue	d Calibration	Verifica	tion):		Time:				
4.00a s.u. ±0.1 s.u. MS1 £315-04 11/22/2 7.00a s.u. ±0.1 s.u. MS1 £172-33 6/23/20 10.00a s.u. ±0.1 s.u. MS1 £354-22 1/5/202 5C 1000 μS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/20	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
10:00a s.u. ±0.1 s.u. MSI L354-22 1/5/2020 SC 1000 μS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/200	4.00a		S.u.	±0.1 s.u.				MS1	L315-04	11/22/2023
SG 1000 μS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/20	7.00a		s.u.	±0.1 s.u.	14			MSI	L172-33	6/23/2023
DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/20:	10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
	SC 1000		μ\$/cm	±5%				Ricca	2108D48	Jul-23
Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI)	DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
	Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:	Comments:									

Field Personnel:	KAVEB	· De	SKE		Location:	DUCK	PEEK		
Weather	360000	ما دو) TUD	May N	Environment:	STILL NO D	UCKS, AND	IDONTS	EE A CRE
Multiparamete	r Water Meter	Make:	Horiba	Model:	HORAGE IA	Serial Number:	PWZC	EDER	_
Water Lex	el Meter	Makei	Solvyt	Model:	100(Şerial Number:	2528	79	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.02	S.U.	±0.1 s.u.	Pass	MO	WA	MSI	L315-04	11/22/2023
pH 7.00a	7.01	S.U.	±0.1 s.u.	1	1	11	MSI	L172-33	6/23/2023
pH 10:00a	10.00	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC Zero (DI)	13.20	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2006	μS/cm	±5%				Geotech	1GK328	Nov-22
ORP"	240	mV	±15 mV				InSitu	1GL481	Sep-22
DØ (Zero pt)	0.02	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)		%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	10.20	NTU	<2 NTU	1+1	-	(Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only on	e well			1				Maria de la compansión de
ICV	(Initial Calibr	ation V	erification)		Time:	0846	E Transfer		
Buffer	Check Value	Units	Range	Pass/Fail			Manufacturer	Lot#	Exp.
pH 4.00b	4-04	5.U.	±0.15 s.u.	PASS			Geotech	1GF009	Jun-23
pH 7.00b	697	S.U.	±0.15 s.u.	7 /45 >			Geotech	0GJ268	Oct-22
pH 10.00b	9,98	S.U.	±0.15 s.u.				Geotech	1GF458	Jun-23
SC 1000	1006	μS/cm	±5%	1_1_			Ricca	2108D48	Jul-23
Approx. every 4 h			41						
CCV (Continue			tion):		Time:	1553			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4:00a			±0.1 s.u.	-			MSI	L315-04	11/22/2023
pH 7.00a	4.08	s.u.	±0.1 s.u.	DASS	No	10/19	MSI	L172-33	6/23/2023
pH 10.00a	10.05	5.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	10.05	μS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.07	mg/L	±0.1 mg/L				Macron		8/26/2025
Turbidity (DI)	0.80	NTU	<2 NTU	1.1.		100	Pace Labs	N/A (DI)	N/A (DI)
Approx, every 4 h			121110	7.11.	arda kalendara	1000	4	Indicated.	1.4.1.1
CCV (Continue			ation):	\$ 14 di.	Time	1,1,27,1			
Buffer	Check Value	Units	Range	Pass/Fall	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	, 10 (0 0 0 0 0 0 0 0 0 0	s.u.	±0.1 s.u.	1000			MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		S.U.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		μ5/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
		, ,		•					
Comments:									

Multiparameter Meter Field Calibration Checklist Location: Field Personnel: Environment: Weather: U-5000 Multiparameter Water Meter Model: Serial Number: 10 St 2202 13(M) Water Level Meter Make: Model: Serial Number: Henn Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.03 ±0.1 s.u. M MSI pH 4.00a L344-09 12/14/2023 s.u. pH 7.00a ±0.1 s.u. MS! L343-07 12/9/2023 7:01 5.U, pH 10.00a 10,06 s.u. ±0.1 s.u. MSI M082-04 3/25/2024 SC Zero (DI) 1010 µS/cm 0<25 µS/cm Pace Labs N/A (DI) N/A (DI) 236204 SC 2000 µ\$/cm ±5% Geotech 1GK328 Nov-22 ORP 236 mV ±15 mV InSitu 2GC827 Dec-22 0.00 ±0.1 Macron #000228049 8/26/2025 DO (Zero pt) mg/L DO (Saturated) 97-100% Pace Labs N/A (DI) N/A (DI) 96 Turbidity (DI) 0.0 NTU N/A (DI) N/A (DI) <2 NTU Pace Labs Approx. every 4 hrs, unless only one well HUM Zich @ 10°C 01/163 ICV (Initial Calibration Verification) Action_Taken? Buffer Check Value Units Range Pass/Fail Manufacturer Lot# Exp. NI pH 4.00b 4-00 ±0.15 s.u. Geotech 2GC243 Mar-24 5.U. pH 7.00b 7201 ±0.15 s.u. Geotech 2GC931 Mar-24 5.U. pH 10.00b 10.00 s.u. ±0.15 s.u. Geotech 2GE820 May-24 SC 1000 DN O μ5/cm ±5% Ricca 4205H64 May-24 Approx. every 4 hrs, unless only one well 540 CCV (Continued Calibration Verification): Time: Buffer Check Value Units Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Range Ехр. pH 4.00a VO 4.05 ±0.1 s.u. MSI L315-04 11/22/2023 s.u. MSI pH 7.00a 7103 s.u. ±0.1 s.u. L172-33 6/23/2023 pH 10.00a 10 05 5.U. ±0.1 s.u. MSI L354-22 1/5/2024 SC 1000 10 20 μS/cm ±5% Ricca 2108D48 Jul-23 0,04 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 0.0 <2 NTU Pace Labs Turbidity (DI) NTU N/A (DI) N/A (DI) Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time Buffer Check Value Pass/Fail Calibrate? **Adjusted Reading** Manufacturer Units Range Lot# Exp. 4.00a ±0.1 s.u. MSI L315-04 11/22/2023 s.u. 7.00a ±0.1 s.u. MŞI L172-33 6/23/2023 s.u. 10.00a ±0.1 s.u. MSI L354-22 1/5/2024 s.u. SC 1000 µS/cm ±5% Ricca 2108D48 Jul-23 DO (Zero pt) #000228049 8/26/2025 mg/L ±0.1 mg/L Macron Turbidity (DI) NTU Pace Labs N/A (DI) N/A (DI) <2 NTU Comments: THAT 1/12/2023 Date: Signature:

Field Personnel:	Austin	No	7018		Location:	duck cre	e t		
Weather:	· # 1	outy/	rain sself	ach	Environment:	mudgerass 1	,		
Multiparamete		Make:	Horiba	Model:	V-5000		PWZGY.	JD3	
Water Lev	el Meter	Make:	WT	Model:	Herron		19FF 2111		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	3,98	s.u.	±0.1 s.u.	P.	N	NIA	MSI	L344-09	12/14/202
pH 7.00a	7.01	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a	10.05	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	19	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1998	μS/cm	±5%				Geotech	1GK328	Nov-22
ORP	793	mV	±15 mV				InSitu	2GC827	Dec-22
DO (Zero pt)	0.08	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	2	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	12.011	NTU	<2 NTU	1	-		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	e well				-			1 - (-)
	(Initial Calibr		erification)		Time:	0979			
Buffer	Check Value	Units		Pass/Fail		Taken?	Manufacturer	Lat#	F
	-		Range	Pass/Fall				Lot#	Exp.
pH 4.00b	4,05	s.u.	±0.15 s.u.	-			Geotech	2GC243	Mar-24
pH 7.00b	9.98	s.u.					Geotech	2GC931	Mar-24
pH 10.00b	9,18	S.U.	±0.15 s.u.	1			Geotech	2GE820 4205H64	May-24
SC 1000	(10)	μS/cm	±5%				Ricca	14205H64	May-24
Approx. every 4 h						111-			
CCV (Continue	d Calibration	Verifica	ation):		Time:	1997			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	1,79	S.U.	±0.1 s.u.	P	N	NIA	MSI	L315-04	11/22/2023
рН 7.00а	2.03	5.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
pH 10.00a	10,05	s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000	993	μS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0,08	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Арргох. every 4 hi	rs, unless only on	e well							
CCV (Continue	d Calibration	Verifica	ation):		Time:				
	Check Value			Dare/Foil	Calibrata	Adjusted Reading	Manufacturar	Lot#	- Cum
	check value			Pass/Fall	Calibrater	Adjusted Reading			Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L315-04	11/22/2023
7.00a		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
10.00a		S.U.	±0.1 s.u.	+-+			MSI	L354-22	1/5/2024
SC 1000		μS/cm	±5%	+			Ricca	2108D48	Jul-23
DO (Zero pt)		mg/L	±0.1 mg/L	-			Macron Page Labo		8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:		_	1	-1		1.0			
Signature:	M1 .	. (Dove		Date:	16-Jun	a 3		

Multiparameter Meter Field Calibration Checklist													
Field Personnel:	KY12 1	ANA				Lo	ocation:	DV	ck	Chek			
Weather:	38 +0.	57°	Cloudy	Riv	14	Enviro	nment:		1001	1 (1)			
Multiparameter	Water Meter	Make:	Political	Mo	तथः	140E	No.	Serial	Number:	MULFUTF			
Water Leve	el Meter	Make:	SClinst	MO	del:	101		Serial Number		- 11 m			
Buffer	Check Value	Units	Range	Pass.	/Fail	Calib	rate?	Adjusted	Reading	Manufacturer	Lot#	Ехр.	
pH 4.00a	5.09	S.U.	±0.1 s.u.	P		N	4	N	0	MSI	L344-09	12/14/2023	
pH 7.00a	7,01	s.u.	±0.1 s.u.	1				1		MSI	L343-07	12/9/2023	
pH 10.00a	10.04	s.u.	±0.1 s.u.							MSI	M082-04	3/25/2024	
SC Zero (DI)	2036	μS/cm	0<25 μS/cm							Pace Labs	N/A (DI)	N/A (DI)	
SC 2000	1995	μS/cm	±5%							Geotech	2GE1442	May-23	
ORP	234	mV	±15 mV							InSitu	2G1762	Jun-23	
DO (Zero pt)	0.09	mg/L	±0.1							Macron	#000228049	8/26/2025	
DO (Saturated)	09.10	%	97-100%			1		1		Pace Labs	N/A (DI)	N/A (DI)	
Turbidity (DI)	1.04	NTU	<2 NTŲ	U		7	1	1	0	Pace Labs	N/A (DI)	N/A (DI)	
Approx. every 4 hr	s, unless only on	e well											
ICV	(Initial Calibr	ation V	erification)				Time:	09	36				
Buffer	Check Value						n Taken?		Manufacturer	Lot#	Exp.		
pH 4.00b	7.74	S.U.	±0.15 s.u.	T)		A	/a		Geotech	2GC243	Mar-24	
pH 7.00b	6.92	\$.u.	±0.15 s.u.	-			7.0	1		Geotech	2GC931	Mar-24	
pH 10.00b	10.00	S.U.	±0.15 s.u.					1		Geotech	2GE820	May-24	
SC 1000	961	μ5/cm	±5%	1.1	,		-	1		Ricca	4205H64	May-24	
Approx. every 4 hr			_5/6	1~			_	ь			1.200.10		
CCV (Continue			ation):				Time:	TY:	47	(P)			
Buffer	Check Value	Units	Range	Pass	/Fail	Calib	rate?	Adjusted	Reading	Manufacturer	Lot#	Exp.	
pH 4.00a	1	s.u.	≠0.1 s.u.			1	1			MSI	1315-04	11/22/2023	
pH 7.00a	1	S.U,	±0.1 s.u.			1/	_			MSI	L172-33	6/23/2023	
pH 10.00a	1	5.U.	±0.1 s.u.			X				MSI	1354-22	1/5/2024	
SC 1000	200	JS/cm	±5%			/				Ricca	2108D48	Jul-23	
DO (Zero pt)		n/g/L	±0.1 mg/L							Macron	#000228049	8/26/2025	
Turbidity (DI)		NTU	<2 NTU				1			Pace Labs	N/A (DI)	N/A (DI)	
Approx. every 4 hr	s, unless only on	e well					1						
CCV (Continue	d Calibration	Verific	ation):				Time:	14	42				
Buffer	Check Value	Units	Range	Pass	/Fail	Calib	rate?	Adjusted	Reading	Manufacturer	Lot#	Exp.	
4.00a	4.01	s.u.	±0.1 s.u.	1	,		a	N		MSI	L315-04	11/22/2023	
7.00a	6.98	s.u.	±0.1 s.u.			1		1		MSI	L172-33	6/23/2023	
10.00a	10.04	s.u.	±0.1 s.u.	11		1				MSI	L354-22	1/5/2024	
SC 1000	997	μS/cm	±5%	11						Ricca	2108D48	Jul-23	
DO (Zero pt)	0.04	mg/L	±0.1 mg/L	1		1	,	,		Macron	#000228049	8/26/2025	
Turbidity (DI)	1.15	NTU	<2 NTU	1		P		1	1	Pace Labs	N/A (DI)	N/A (DI)	
Comments:													
	,	1	,)										
Signature:	KM	M					Date:	-	b-	23			

Make: Make: Make: Make: Justin Structure Make: Make:	Range ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	Model: Pass/Fail	Environment: USUVO D'ACUT Time:	Serial Number: Serial Number: Adjusted Reading	MANUFACTURER MSI MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	Lot# L344-09 L343-07 M082-04 N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	
Make: alue Units s.u. s.u. µs/cm µs/cm mV mg/L % NTU mly one well calibration V alue Units s.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification)	Model:	7: Maril Calibrate?	Serial Number:	Manufacturer MSI MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	Lot# L344-09 L343-07 M082-04 N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	Exp. 12/14/202 12/9/2023 3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025
s.u. s.u. µS/cm mV mg/L % NTU alue Units	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification)	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer MSI MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	1.ot# L344-09 L343-07 M082-04 N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	Exp. 12/14/202 12/9/2023 3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025
s.u. 1 s.u. 2 s.u. µS/cm mV mg/L % NTU mly one well calibration V alue Units s.u.	±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range	G -	A)0	1/4	MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	L344-09 L343-07 M082-04 N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	12/14/202 12/9/2023 3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025
s.u. µS/cm µS/cm mV mg/L % NTU inly one well calibration V alue Units s.u.	±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification)	Pass/Fail	Time:		MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	L343-07 M082-04 N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	12/9/2023 3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025
s.u. µS/cm µS/cm mV mg/L % NTU only one welf calibration V alue Units s.u.	±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range	Pass/Fail		2950	MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	M082-04 N/A (DI) 1GK328 2GC827 #00D228049 N/A (DI) N/A (DI)	3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025
μS/cm μS/cm mV mg/L % NTU only one welf calibration V alue Units s.u.	0<25 µS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range	Pass/Fail		2950	Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	N/A (DI) 1GK328 2GC827 #00D228049 N/A (DI) N/A (DI)	N/A (DI) Nov-22 Dec-22 8/26/2025
μs/cm mV mg/L % NTU mly one welf calibration V alue Units s.u.	±5% ±15 mV ±0.1 97-100% <2 NTU erification)	Pass/Fail		2950	Geotech InSitu Macron Pace Labs	1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	N/A (DI) Nov-22 Dec-22 8/26/2025
mV mg/L % NTU only one well calibration V alue Units s.u.	±15 mV ±0.1 97-100% <2 NTU erification)	Pass/Fail		2950	InSitu Macron Pace Labs Pace Labs	2GC827 #000228049 N/A (DI) N/A (DI)	Nov-22 Dec-22 8/26/2025
mV mg/L % NTU only one well calibration V alue Units s.u.	±0.1 97-100% <2 NTU erification)	Pass/Fail		2950	Macron Pace Labs Pace Labs	#000228049 N/A (DI) N/A (DI)	8/26/2025
% NTU inly one well calibration V alue Units s.u.	97-100% <2 NTU erification)	Pass/Fail		2950	Pace Labs	#000228049 N/A (DI) N/A (DI)	8/26/2025
% NTU inly one well calibration V alue Units s.u.	<2 NTU erification) Range	Pass/Fail		0950	Pace Labs	N/A (DI) N/A (DI)	
alibration V	erification) Range	Pass/Fail		0900	/1	N/A (DI)	
alibration V	Range	Pass/Fail		daca	249 W		N/A (DI)
alibration V	Range	Pass/Fail		DACO		1000	1.47.4017
alue Units	Range	Pass/Fail					
- S.u.		1 033/1 014		n Taken?	Manufacturer	Lot#	Exp.
7	20-10 3.0.	62	NI	D.	Geotech	2GC243	Mar-24
3.0.	±0.15 s.u.	10,	44/	-	Geotech	2GC931	Mar-24
S.U.	±0.15 s.u.	+++			Geotech	2GE820	
μS/cm	±5%			_	Ricca	4205H64	May-24 May-24
nly one well	2070					42037104	1VIQY-2-4
	ation).		Time:	11602	1		
-7		In. /r :			10-11		
,		Pass/Fail					Ехр.
		+1	/10	MA			11/22/202
		V					6/23/2023
_		-	-				1/5/2024
-		+					Jul-23
		+					8/26/2025
	<2 N10	4-			Pace Labs	N/A (DI)	N/A (DI)
		- 1			1		
	ation):		Time:				
alue Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
s.u.	±0.1 s.u.				MSI	L315-04	11/22/202
s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
μS/cm	±5%				Ricca	2108D48	Jul-23
mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
	ation Verification	ation Verification): falue Units Range (2 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 1 s.u. ±0.1 s.u. ±0.1 s.u. 1 μS/cm ±5% (2 mg/L ±0.1 mg/L ±0.1 mg/L tonly one well tonly one well stion Verification): falue Units Range 1 s.u. ±0.1 s.u. 1 s.u. ±0.1 s.u. 2 mg/L ±0.1 mg/L tonly mg/L tonly one t	ation Verification): alue Units Range Pass/Fail s.u. ±0.1 s.u. s.u. ±0.1 s.u. μS/cm ±5% mg/L ±0.1 mg/L nnly one well ation Verification): alue Units Range Pass/Fail s.u. ±0.1 s.u. s.u. ±0.1 s.u. tonly one well ation Verification): alue Units Range Pass/Fail s.u. ±0.1 s.u. s.u. ±0.1 s.u. s.u. ±0.1 s.u. μS/cm ±5% mg/L ±0.1 mg/L	ation Verification): Time: alue Units Range Pass/Fail Calibrate? s.u. ±0.1 s.u. s.u. ±0.1 s.u. μS/cm ±5% mg/L ±0.1 mg/L ation Verification): Time: alue Units Range Pass/Fail Calibrate? s.u. ±0.1 s.u. s.u. ±0.1 s.u. ation Verification): Time: alue Units Range Pass/Fail Calibrate? s.u. ±0.1 s.u. s.u. ±0.1 s.u. μS/cm ±5% mg/L ±0.1 mg/L	ation Verification): Time:	Time:	Time:

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

July 18, 2023

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the **revised** analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely, Schindler

Gail Schindler Project Manager (309) 692-9688 x1716 gail.schindler@pacelabs.com

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

GE02228

Work Order

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Work Order GE02632

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Work Order GE02767

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Work Order GE02997

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Case Narrative

Revised Report - added missing fluoride results.

ANALYTICAL RESULTS

Sample: GE02228-01 **Name:** X301

Matrix: Ground Water - Grab

Sampled: 05/10/23 15:43 **Received:** 05/10/23 17:20

Parameter	Result	Unit	Qualifier Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA								
Chloride	320	mg/L	05/25/23 13:47	100	100	05/25/23 13:47	CRD	EPA 300.0 REV 2.1
Sulfate	640	mg/L	05/25/23 13:47	100	100	05/25/23 13:47	CRD	EPA 300.0 REV 2.1
Field - PIA								
Dissolved oxygen, Field	12	mg/L	05/10/23 15:43	1		05/10/23 15:43	FIELD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as	30	mg/L	05/19/23 14:15	1	10	05/19/23 14:15	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L	05/19/23 14:15	1	10	05/19/23 14:15	CPS	SM 2320B 1997*
Total Metals - PIA								
Calcium	580	mg/L	05/15/23 12:00	100	4.0	05/23/23 09:41	JMW	EPA 6020A
Magnesium	1500	mg/L	05/15/23 12:00	100	2.0	05/23/23 09:41	JMW	EPA 6020A
Potassium	50	mg/L	05/15/23 12:00	5	0.10	05/23/23 11:17	JMW	EPA 6020A
Sodium	340	mg/L	05/15/23 12:00	5	0.10	05/23/23 11:17	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GE02632-11 Name: G57S

Matrix: Ground Water - Grab

Sampled: 05/11/23 15:22 **Received:** 05/11/23 17:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	16	mg/L	Q4	05/12/23 23:11	10	10	05/12/23 23:11	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		05/12/23 21:24	1	0.250	05/12/23 21:24	CRD	EPA 300.0 REV 2.1
Sulfate	49	mg/L	Q4	05/12/23 23:11	10	10	05/12/23 23:11	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	20.25	Feet		05/11/23 15:22	1		05/11/23 15:22	FIELD	Field*
Dissolved oxygen, Field	2.6	mg/L		05/11/23 15:22	1		05/11/23 15:22	FIELD	Field*
Oxidation Reduction Potential	125	mV		05/11/23 15:22	1	-500	05/11/23 15:22	FIELD	Field*
pH, Field Measured	6.87	pH Units		05/11/23 15:22	1		05/11/23 15:22	FIELD	Field*
Specific Conductance, Field Measured	1281	umhos/cm		05/11/23 15:22	1		05/11/23 15:22	FIELD	Field*
Temperature, Field	17.7	°C		05/11/23 15:22	1		05/11/23 15:22	FIELD	Field*
Measured Turbidity, Field Measured	46.8	NTU		05/11/23 15:22	1	0.00	05/11/23 15:22	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	760	mg/L		05/22/23 09:02	1	10	05/22/23 09:02	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		05/22/23 09:02	1	10	05/22/23 09:02	CPS	SM 2320B 1997*
Soluble General Chemistry -	PIA								
Solids - total dissolved solids (TDS)	890	mg/L	М	05/18/23 15:57	1	26	05/18/23 16:48	HRF	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		05/15/23 12:00	5	10	05/23/23 14:55	JMW	EPA 6020A
Calcium	170	mg/L		05/15/23 12:00	5	0.20	05/23/23 12:35	JMW	EPA 6020A
Magnesium	97	mg/L		05/15/23 12:00	5	0.10	05/23/23 12:35	JMW	EPA 6020A
Potassium	0.31	mg/L		05/15/23 12:00	5	0.10	05/23/23 12:35	JMW	EPA 6020A
Sodium	12	mg/L		05/15/23 12:00	5	0.10	05/23/23 12:35	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GE02632-14 Name: G64S

Matrix: Ground Water - Grab

Sampled: 05/11/23 15:11

Received: 05/11/23 17:20

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	3.4	mg/L		05/12/23 23:33	1	1.0	05/12/23 23:33	CRD	EPA 300.0 REV 2.1
Fluoride	0.294	mg/L		05/12/23 23:33	1	0.250	05/12/23 23:33	CRD	EPA 300.0 REV 2.1
Sulfate	23	mg/L		05/12/23 23:54	10	10	05/12/23 23:54	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	23.26	Feet		05/11/23 15:11	1		05/11/23 15:11	FIELD	Field*
Dissolved oxygen, Field	4.6	mg/L		05/11/23 15:11	1		05/11/23 15:11	FIELD	Field*
Oxidation Reduction Potential	-33.0	mV		05/11/23 15:11	1	-500	05/11/23 15:11	FIELD	Field*
pH, Field Measured	6.86	pH Units		05/11/23 15:11	1		05/11/23 15:11	FIELD	Field*
Specific Conductance, Field Measured	765.0	umhos/cm		05/11/23 15:11	1		05/11/23 15:11	FIELD	Field*
Temperature, Field Measured	16.4	°C		05/11/23 15:11	1		05/11/23 15:11	FIELD	Field*
Turbidity, Field Measured	48.5	NTU		05/11/23 15:11	1	0.00	05/11/23 15:11	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	410	mg/L		05/22/23 09:02	1	10	05/22/23 09:02	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		05/22/23 09:02	1	10	05/22/23 09:02	CPS	SM 2320B 1997*
Soluble General Chemistry - F	PIA								
Solids - total dissolved solids (TDS)	450	mg/L		05/18/23 15:57	1	26	05/18/23 16:48	HRF	SM 2540C
Total Metals - PIA									
Boron	14	ug/L		05/15/23 12:00	5	10	05/23/23 14:59	JMW	EPA 6020A
Calcium	97	mg/L		05/15/23 12:00	5	0.20	05/23/23 12:39	JMW	EPA 6020A
Magnesium	44	mg/L		05/15/23 12:00	5	0.10	05/23/23 12:39	JMW	EPA 6020A
Potassium	0.56	mg/L		05/15/23 12:00	5	0.10	05/23/23 12:39	JMW	EPA 6020A
Sodium	12	mg/L		05/15/23 12:00	5	0.10	05/23/23 12:39	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GE02767-05 Name: G54L

Matrix: Ground Water - Grab

Sampled: 05/12/23 12:20

Received: 05/12/23 14:31

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	33	mg/L		05/13/23 05:33	10	10	05/13/23 05:33	CRD	EPA 300.0 REV 2.1
Sulfate	120	mg/L		05/25/23 15:55	25	25	05/25/23 15:55	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	22.4	Feet		05/12/23 12:20	1		05/12/23 12:20	FIELD	Field*
Dissolved oxygen, Field	1.0	mg/L		05/12/23 12:20	1		05/12/23 12:20	FIELD	Field*
Oxidation Reduction Potential	-37.5	mV		05/12/23 12:20	1	-500	05/12/23 12:20	FIELD	Field*
pH, Field Measured	6.54	pH Units		05/12/23 12:20	1		05/12/23 12:20	FIELD	Field*
Specific Conductance, Field Measured	1505	umhos/cm		05/12/23 12:20	1		05/12/23 12:20	FIELD	Field*
Temperature, Field Measured	20.4	°C		05/12/23 12:20	1		05/12/23 12:20	FIELD	Field*
Turbidity, Field Measured	130	NTU		05/12/23 12:20	1	0.00	05/12/23 12:20	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	690	mg/L		05/23/23 10:23	1	10	05/23/23 10:23	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		05/23/23 10:23	1	10	05/23/23 10:23	CPS	SM 2320B 1997*
Fluoride	< 0.250	mg/L		05/24/23 11:14	1	0.250	05/24/23 11:14	TTH	SM 4500F C 1997
Soluble General Chemistry	- PIA								
Solids - total dissolved solids (TDS)	520	mg/L		05/18/23 17:03	1	26	05/18/23 17:42	HRF	SM 2540C
Total Metals - PIA									
Boron	95	ug/L		05/16/23 09:02	5	10	05/19/23 11:39	JMW	EPA 6020A
Calcium	190	mg/L		05/16/23 09:02	5	0.20	05/19/23 11:39	JMW	EPA 6020A
Magnesium	91	mg/L		05/16/23 09:02	5	0.10	05/19/23 11:39	JMW	EPA 6020A
Potassium	0.45	mg/L		05/16/23 09:02	5	0.10	05/19/23 11:39	JMW	EPA 6020A
Sodium	17	mg/L		05/16/23 09:02	5	0.10	05/19/23 11:39	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GE02767-06 Name: G54S

Matrix: Ground Water - Grab

Sampled: 05/12/23 13:04

Received: 05/12/23 14:31

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	< 5.0	mg/L		05/25/23 16:16	5	5.0	05/25/23 16:16	CRD	EPA 300.0 REV 2.1
Sulfate	31	mg/L		05/13/23 06:10	10	10	05/13/23 06:10	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	23.4	Feet		05/12/23 13:04	1		05/12/23 13:04	FIELD	Field*
Dissolved oxygen, Field	1.2	mg/L		05/12/23 13:04	1		05/12/23 13:04	FIELD	Field*
Oxidation Reduction Potential	-30.0	mV		05/12/23 13:04	1	-500	05/12/23 13:04	FIELD	Field*
pH, Field Measured	6.73	pH Units		05/12/23 13:04	1		05/12/23 13:04	FIELD	Field*
Specific Conductance, Field Measured	796.0	umhos/cm		05/12/23 13:04	1		05/12/23 13:04	FIELD	Field*
Temperature, Field Measured	16.3	°C		05/12/23 13:04	1		05/12/23 13:04	FIELD	Field*
Turbidity, Field Measured	40.5	NTU		05/12/23 13:04	1	0.00	05/12/23 13:04	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	500	mg/L		05/23/23 10:23	1	10	05/23/23 10:23	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		05/23/23 10:23	1	10	05/23/23 10:23	CPS	SM 2320B 1997*
Fluoride	< 0.250	mg/L		05/24/23 11:16	1	0.250	05/24/23 11:16	TTH	SM 4500F C 1997
Soluble General Chemistry	- PIA								
Solids - total dissolved solids (TDS)	540	mg/L		05/18/23 17:03	1	26	05/18/23 17:42	HRF	SM 2540C
Total Metals - PIA									
Boron	62	ug/L		05/16/23 09:02	5	10	05/19/23 11:43	JMW	EPA 6020A
Calcium	130	mg/L		05/16/23 09:02	5	0.20	05/19/23 11:43	JMW	EPA 6020A
Magnesium	50	mg/L		05/16/23 09:02	5	0.10	05/19/23 11:43	JMW	EPA 6020A
Potassium	0.74	mg/L		05/16/23 09:02	5	0.10	05/19/23 11:43	JMW	EPA 6020A
Sodium	9.4	mg/L		05/16/23 09:02	5	0.10	05/19/23 11:43	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GE02767-07 Name: G54S DUP

Matrix: Ground Water - Field Duplicate

Sampled: 05/12/23 13:04 **Received:** 05/12/23 14:31

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method Anions - PIA CRD Chloride 05/25/23 16:59 5 5.0 05/25/23 16:59 EPA 300.0 REV 2.1 < 5.0 mg/L Sulfate 30 05/13/23 06:48 10 10 05/13/23 06:48 CRD EPA 300.0 REV 2.1 mg/L Field - PIA Depth, From Measuring 23.4 Feet 05/12/23 13:04 05/12/23 13:04 **FIELD** Field* 1 Point Dissolved oxygen, Field 1.2 mg/L 05/12/23 13:04 05/12/23 13:04 **FIELD** Field* Oxidation Reduction -30.0 -500 05/12/23 13:04 Field* mV 05/12/23 13:04 FIELD 1 Potential pH, Field Measured 6.73 pH Units 05/12/23 13:04 05/12/23 13:04 **FIELD** Field* 1 Specific Conductance, Field 796.0 umhos/cm 05/12/23 13:04 05/12/23 13:04 **FIELD** Field* Measured Temperature, Field 16.3 °C 05/12/23 13:04 1 05/12/23 13:04 **FIELD** Field* Measured Turbidity, Field Measured 40.5 NTU 05/12/23 13:04 0.00 05/12/23 13:04 **FIELD** Field* **General Chemistry - PIA** Alkalinity - bicarbonate as SM 2320B 1997* 480 mg/L 05/23/23 10:23 10 05/23/23 10:23 **CPS** CaCO3 CPS SM 2320B 1997* Alkalinity - carbonate as < 10 mg/L 05/23/23 10:23 1 10 05/23/23 10:23 CaCO3 Fluoride < 0.250 05/24/23 12:07 0.250 05/24/23 12:07 TTH SM 4500F C 1997 mg/L 1 Soluble General Chemistry - PIA Solids - total dissolved 580 HRF SM 2540C mg/L 05/18/23 17:03 1 26 05/18/23 17:42 solids (TDS) **Total Metals - PIA** 52 ug/L 05/16/23 09:02 5 10 05/19/23 11:47 **JMW** EPA 6020A 130 05/16/23 09:02 5 0.20 05/19/23 11:47 **JMW** EPA 6020A Calcium mg/L 50 05/16/23 09:02 5 05/19/23 11:47 EPA 6020A Magnesium mg/L 0.10 JMW Potassium 0.71 mg/L 05/16/23 09:02 5 0.10 05/19/23 11:47 **JMW** EPA 6020A 05/16/23 09:02 05/19/23 11:47 Sodium 5 0.10 JMW. FPA 6020A 9.3 mg/L

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ANALYTICAL RESULTS

Sample: GE02767-08 Name: G60L

Matrix:

Ground Water - Grab

Sampled: 05/12/23 10:48 **Received:** 05/12/23 14:31

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method Anions - PIA Chloride CRD 11 05/13/23 08:03 5 5.0 05/13/23 08:03 EPA 300.0 REV 2.1 mg/L Sulfate 160 05/13/23 08:22 50 50 05/13/23 08:22 CRD EPA 300.0 REV 2.1 mg/L Field - PIA Depth, From Measuring 12.27 05/12/23 10:48 05/12/23 10:48 **FIELD** Field* Feet 1 Point Dissolved oxygen, Field 2.4 mg/L 05/12/23 10:48 05/12/23 10:48 **FIELD** Field* Oxidation Reduction -500 05/12/23 10:48 Field* 242 mV 05/12/23 10:48 FIELD 1 Potential pH, Field Measured 5.97 pH Units 05/12/23 10:48 05/12/23 10:48 **FIELD** Field* 1 Specific Conductance, Field 720.0 umhos/cm 05/12/23 10:48 05/12/23 10:48 **FIELD** Field* Measured Temperature, Field 13.7 °C 05/12/23 10:48 1 05/12/23 10:48 **FIELD** Field* Measured Turbidity, Field Measured 15.4 NTU 05/12/23 10:48 0.00 05/12/23 10:48 FIELD Field* **General Chemistry - PIA** Alkalinity - bicarbonate as 05/23/23 10:23 300 mg/L 05/23/23 10:23 10 **CPS** SM 2320B 1997* CaCO3 CPS SM 2320B 1997* Alkalinity - carbonate as < 10 mg/L 05/23/23 10:23 1 10 05/23/23 10:23 CaCO3 Fluoride < 0.250 05/24/23 12:28 0.250 05/24/23 12:28 TTH SM 4500F C 1997 mg/L 1 Soluble General Chemistry - PIA Solids - total dissolved 510 HRF SM 2540C mg/L 05/18/23 17:03 1 26 05/18/23 17:42 solids (TDS) **Total Metals - PIA** 42 ug/L 05/16/23 09:02 5 10 05/19/23 11:51 **JMW** EPA 6020A 100 05/16/23 09:02 5 0.20 05/19/23 11:51 **JMW** EPA 6020A Calcium mg/L 05/16/23 09:02 5 05/19/23 11:51 EPA 6020A Magnesium 40 mg/L 0.10 JMW Potassium 0.33 mg/L 05/16/23 09:02 5 0.10 05/19/23 11:51 **JMW** EPA 6020A 05/16/23 09:02 05/19/23 11:51 Sodium 33 5 0.10 **JMW** FPA 6020A mg/L

ANALYTICAL RESULTS

Sample: GE02767-09 Name: G60S

Matrix: Ground Water - Grab

Sampled: 05/12/23 11:00 **Received:** 05/12/23 14:31

Parameter	Result	Unit	Qualifier Prepa	red Dilutio	on MRL	Analyzed	Analyst	Method
Anions - PIA								
Chloride	7.0	mg/L	05/30/23	17:14 5	5.0	05/30/23 17:14	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	05/26/23	04:44 1	0.250	05/26/23 04:44	CRD	EPA 300.0 REV 2.1
Sulfate	68	mg/L	05/26/23	05:05 25	25	05/26/23 05:05	CRD	EPA 300.0 REV 2.1
Field - PIA								
Depth, From Measuring Point	25.28	Feet	05/12/23	11:00 1		05/12/23 11:00	FIELD	Field*
Dissolved oxygen, Field	1.2	mg/L	05/12/23	11:00 1		05/12/23 11:00	FIELD	Field*
Oxidation Reduction Potential	-21.7	mV	05/12/23	11:00 1	-500	05/12/23 11:00	FIELD	Field*
pH, Field Measured	6.81	pH Units	05/12/23	11:00 1		05/12/23 11:00	FIELD	Field*
Specific Conductance, Field Measured	955.6	umhos/cm	05/12/23	11:00 1		05/12/23 11:00	FIELD	Field*
Temperature, Field Measured	17.6	°C	05/12/23	11:00 1		05/12/23 11:00	FIELD	Field*
Turbidity, Field Measured	>1000	NTU	05/12/23	11:00 1	0.00	05/12/23 11:00	FIELD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as CaCO3	480	mg/L	05/23/23	10:23 1	10	05/23/23 10:23	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	05/23/23	10:23 1	10	05/23/23 10:23	CPS	SM 2320B 1997*
Soluble General Chemistry	· PIA							
Solids - total dissolved solids (TDS)	600	mg/L	05/18/23	17:03 1	26	05/18/23 17:42	HRF	SM 2540C
Total Metals - PIA								
Boron	30	ug/L	05/16/23	09:02 5	10	05/19/23 11:54	JMW	EPA 6020A
Calcium	140	mg/L	05/16/23	09:02 5	0.20	05/19/23 11:54	JMW	EPA 6020A
Magnesium	53	mg/L	05/16/23	09:02 5	0.10	05/19/23 11:54	JMW	EPA 6020A
Potassium	0.98	mg/L	05/16/23	09:02 5	0.10	05/19/23 11:54	JMW	EPA 6020A
Sodium	13	mg/L	05/16/23	09:02 5	0.10	05/19/23 11:54	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GE02997-02 Name: G02S

Matrix: Ground Water - Grab

Sampled: 05/15/23 15:18 **Received:** 05/16/23 06:50

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	2.6	mg/L		05/16/23 11:09	1	1.0	05/16/23 11:09	CRD	EPA 300.0 REV 2.1
Fluoride	0.282	mg/L		05/16/23 11:09	1	0.250	05/16/23 11:09	CRD	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		05/16/23 11:09	1	1.0	05/16/23 11:09	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	7.79	Feet		05/15/23 15:18	1		05/15/23 15:18	FIELD	Field*
Dissolved oxygen, Field	4.1	mg/L		05/15/23 15:18	1		05/15/23 15:18	FIELD	Field*
Oxidation Reduction Potential	-104	mV		05/15/23 15:18	1	-500	05/15/23 15:18	FIELD	Field*
pH, Field Measured	6.85	pH Units		05/15/23 15:18	1		05/15/23 15:18	FIELD	Field*
Specific Conductance, Field Measured	640.0	umhos/cm		05/15/23 15:18	1		05/15/23 15:18	FIELD	Field*
Temperature, Field	14.3	°C		05/15/23 15:18	1		05/15/23 15:18	FIELD	Field*
Measured Turbidity, Field Measured	19.5	NTU		05/15/23 15:18	1	0.00	05/15/23 15:18	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	420	mg/L		05/24/23 09:25	1	10	05/24/23 09:25	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		05/24/23 09:25	1	10	05/24/23 09:25	CPS	SM 2320B 1997*
Soluble General Chemistry - Pl	<u>A</u>								
Solids - total dissolved solids (TDS)	430	mg/L		05/19/23 12:22	1	26	05/19/23 13:18	HRF	SM 2540C
Total Metals - PIA									
Boron	64	ug/L		05/22/23 09:08	5	10	05/24/23 13:26	JMW	EPA 6020A
Calcium	96	mg/L		05/22/23 09:08	5	0.20	05/23/23 21:15	JMW	EPA 6020A
Magnesium	37	mg/L		05/22/23 09:08	5	0.10	05/23/23 21:15	JMW	EPA 6020A
Potassium	0.70	mg/L		05/22/23 09:08	5	0.10	05/24/23 13:26	JMW	EPA 6020A
Sodium	14	mg/L		05/22/23 09:08	5	0.10	05/24/23 13:26	JMW	EPA 6020A

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ANALYTICAL RESULTS

Sample: GE02997-03 Name: G50S

Matrix: Ground Water - Grab

Sampled: 05/15/23 12:56

Received: 05/16/23 06:50

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	9.5	mg/L		05/16/23 12:03	5	5.0	05/16/23 12:03	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		05/16/23 11:45	1	0.250	05/16/23 11:45	CRD	EPA 300.0 REV 2.1
Sulfate	40	mg/L		05/16/23 12:03	5	5.0	05/16/23 12:03	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	12.1	Feet		05/15/23 12:56	1		05/15/23 12:56	FIELD	Field*
Dissolved oxygen, Field	6.8	mg/L		05/15/23 12:56	1		05/15/23 12:56	FIELD	Field*
Oxidation Reduction Potential	-103	mV		05/15/23 12:56	1	-500	05/15/23 12:56	FIELD	Field*
pH, Field Measured	7.26	pH Units		05/15/23 12:56	1		05/15/23 12:56	FIELD	Field*
Specific Conductance, Field Measured	561.0	umhos/cm		05/15/23 12:56	1		05/15/23 12:56	FIELD	Field*
Temperature, Field	14.1	°C		05/15/23 12:56	1		05/15/23 12:56	FIELD	Field*
Measured Turbidity, Field Measured	66.7	NTU		05/15/23 12:56	1	0.00	05/15/23 12:56	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	460	mg/L		05/24/23 09:25	1	10	05/24/23 09:25	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		05/24/23 09:25	1	10	05/24/23 09:25	CPS	SM 2320B 1997*
Soluble General Chemistry	- PIA								
Solids - total dissolved solids (TDS)	380	mg/L		05/19/23 12:22	1	26	05/19/23 13:18	HRF	SM 2540C
Total Metals - PIA									
Boron	30	ug/L		05/22/23 09:08	5	10	05/24/23 13:29	JMW	EPA 6020A
Calcium	90	mg/L		05/22/23 09:08	5	0.20	05/23/23 21:19	JMW	EPA 6020A
Magnesium	37	mg/L		05/22/23 09:08	5	0.10	05/23/23 21:19	JMW	EPA 6020A
Potassium	0.35	mg/L		05/22/23 09:08	5	0.10	05/24/23 13:29	JMW	EPA 6020A
Sodium	9.0	mg/L		05/22/23 09:08	5	0.10	05/24/23 13:29	JMW	EPA 6020A

16 Customer #: 72-104337

ANALYTICAL RESULTS

Sample: GE02997-04 Name: G51S

Ground Water - Grab Matrix:

Sampled: 05/15/23 11:26 Received: 05/16/23 06:50

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method Anions - PIA Chloride CRD 12 05/16/23 12:40 10 10 05/16/23 12:40 EPA 300.0 REV 2.1 mg/L Fluoride < 0.250 05/16/23 12:21 1 0.250 05/16/23 12:21 CRD EPA 300.0 REV 2.1 mg/L Sulfate 05/16/23 12:40 10 05/16/23 12:40 CRD EPA 300.0 REV 2.1 56 10 mg/L Field - PIA 9 95 05/15/23 11:26 05/15/23 11:26 FIELD Field* Depth, From Measuring Feet 1 05/15/23 11:26 05/15/23 11:26 Field* Dissolved oxygen, Field 1 FIELD 1.3 mg/L Oxidation Reduction -53.0 mV 05/15/23 11:26 1 -500 05/15/23 11:26 FIELD Field* Potential pH, Field Measured 7.12 pH Units 05/15/23 11:26 05/15/23 11:26 **FIELD** Field* Specific Conductance, Field 600.0 umhos/cm 05/15/23 11:26 05/15/23 11:26 **FIELD** Field* 1 Measured Temperature, Field 13.6 °C 05/15/23 11:26 05/15/23 11:26 **FIELD** Field* 1 Measured Turbidity, Field Measured 430 NTU 05/15/23 11:26 0.00 05/15/23 11:26 **FIELD** Field* 1 **General Chemistry - PIA** CPS Alkalinity - bicarbonate as 290 05/24/23 09:25 10 05/24/23 09:25 SM 2320B 1997* mg/L 1 CaCO3 Alkalinity - carbonate as < 10 05/24/23 09:25 10 05/24/23 09:25 CPS SM 2320B 1997* mg/L 1 CaCO3 Soluble General Chemistry - PIA Solids - total dissolved 430 HRF SM 2540C mg/L 05/19/23 12:22 1 26 05/19/23 13:18 solids (TDS) **Total Metals - PIA** 21 ug/L 05/22/23 09:08 5 10 05/24/23 13:33 **JMW** EPA 6020A 98 05/22/23 09:08 5 0.20 05/23/23 21:23 **JMW** EPA 6020A Calcium mg/L 05/22/23 09:08 5 05/23/23 21:23 EPA 6020A Magnesium 41 mg/L 0.10 JMW Potassium 0.29 mg/L 05/22/23 09:08 5 0.10 05/24/23 13:33 **JMW** EPA 6020A 7.3 05/24/23 13:33 Sodium 05/22/23 09:08 5 0.10 **JMW** FPA 6020A mg/L

17 Customer #: 72-104337

ANALYTICAL RESULTS

Sample: GE02997-08 Name: G64L

Matrix: Ground Water - Grab

Sampled: 05/15/23 15:00

Received: 05/16/23 06:50

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	2.8	mg/L		05/16/23 14:10	1	1.0	05/16/23 14:10	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		05/16/23 14:10	1	0.250	05/16/23 14:10	CRD	EPA 300.0 REV 2.1
Sulfate	69	mg/L		05/16/23 14:46	50	50	05/16/23 14:46	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	21.17	Feet		05/15/23 15:00	1		05/15/23 15:00	FIELD	Field*
Dissolved oxygen, Field	3.9	mg/L		05/15/23 15:00	1		05/15/23 15:00	FIELD	Field*
Oxidation Reduction Potential	133	mV		05/15/23 15:00	1	-500	05/15/23 15:00	FIELD	Field*
pH, Field Measured	6.99	pH Units		05/15/23 15:00	1		05/15/23 15:00	FIELD	Field*
Specific Conductance, Field	958.0	umhos/cm		05/15/23 15:00	1		05/15/23 15:00	FIELD	Field*
Measured Temperature, Field Measured	16.1	°C		05/15/23 15:00	1		05/15/23 15:00	FIELD	Field*
Turbidity, Field Measured	259	NTU		05/15/23 15:00	1	0.00	05/15/23 15:00	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	480	mg/L		05/24/23 09:25	1	10	05/24/23 09:25	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L		05/24/23 09:25	1	10	05/24/23 09:25	CPS	SM 2320B 1997*
Soluble General Chemistry -	<u>PIA</u>								
Solids - total dissolved solids (TDS)	600	mg/L		05/19/23 12:22	1	26	05/19/23 13:18	HRF	SM 2540C
Total Metals - PIA									
Boron	31	ug/L		05/22/23 09:08	5	10	05/24/23 14:00	JMW	EPA 6020A
Calcium	110	mg/L		05/22/23 09:08	5	0.20	05/23/23 21:46	JMW	EPA 6020A
Magnesium	65	mg/L		05/22/23 09:08	5	0.10	05/23/23 21:46	JMW	EPA 6020A
Potassium	1.2	mg/L		05/22/23 09:08	5	0.10	05/24/23 14:00	JMW	EPA 6020A
Sodium	14	mg/L		05/22/23 09:08	5	0.10	05/24/23 14:00	JMW	EPA 6020A

QC SAMPLE RESULTS

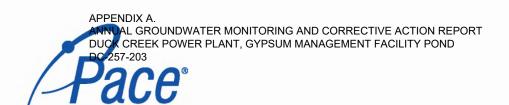
Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPI Lim
Batch B333386 - SW 3015 - EPA 6020A									
Blank (B333386-BLK1)				Prepared: 0	5/15/23 Anal	yzed: 05/23/23	3		
Boron	< 10	ug/L		· ·		<u> </u>			
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B333386-BS1)				Prepared: 0	5/15/23 Anal	yzed: 05/23/23	3		
Boron	482	ug/L		555.6		87	80-120		
Calcium	5.14	mg/L		5.556		93	80-120		
Magnesium	5.06	mg/L		5.556		91	80-120		
Potassium	5.14	mg/L		5.556		93	80-120		
Sodium	5.11	mg/L		5.556		92	80-120		
Batch B333402 - IC No Prep - EPA 300.0 REV	2.1								
Matrix Spike (B333402-MS3)	—— Sample: GE026	32-11		Prepared &	Analyzed: 05/	/12/23			
Fluoride	1.69	mg/L		1.500	0.243	96	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	49.0	NR	80-120		
Chloride	< 1.0	mg/L	Q4	1.500	16	NR	80-120		
Matrix Spike Dup (B333402-MSD3)	Sample: GE026	-		Prepared &	Analyzed: 05/	/12/23			
Chloride	< 1.0	mg/L	Q4	1.500	16	NR	80-120		20
Fluoride	1.67	mg/L		1.500	0.243	95	80-120	1	20
Sulfate	1.00E9	mg/L	Q4	1.500	49.0	NR	80-120	0	20
Batch B333464 - SW 3015 - EPA 6020A									
Blank (B333464-BLK1)				Prepared: 0	5/16/23 Anal	yzed: 05/19/23	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B333464-BS1)				Prepared: 0	5/16/23 Anal	yzed: 05/19/23	3		
Boron	1080	ug/L		1111		97	80-120		
Calcium	5.58	mg/L		5.556		101	80-120		
Magnesium	5.39	mg/L		5.556		97	80-120		
Potassium	5.55	mg/L		5.556		100	80-120		
Sodium	5.65	mg/L		5.556		102	80-120		
Batch B333806 - No Prep - SM 2540C									
Blank (B333806-BLK1)				Prepared &	Analyzed: 05/	/18/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B333806-BS1)				Prepared &	Analyzed: 05	18/23			
Solids - total dissolved solids (TDS)	983	mg/L		1000		98	84.9-109		
Duplicate (B333806-DUP2)	Sample: GE026	22 44		Prepared &	Analyzed: 05	/18/23			

Batch B333818 - No Prep - SM 2540C

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QC SAMPLE RESULTS

				Spike	Source		%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Lim
Blank (B333818-BLK1)				Prepared &	Analyzed: 05/	18/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B333818-BS1)				Prepared &	Analyzed: 05/	18/23			
Solids - total dissolved solids (TDS)	923	mg/L		1000		92	84.9-109		
Duplicate (B333818-DUP2)	Sample: GE027	67-09		Prepared &	Analyzed: 05/	18/23			
Solids - total dissolved solids (TDS)	625	mg/L			605			3	5
Batch B333887 - No Prep - SM 2540C									
Blank (B333887-BLK1)				Prepared &	Analyzed: 05/	19/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B333887-BS1)				Prepared &	Analyzed: 05/	19/23			
Solids - total dissolved solids (TDS)	940	mg/L		1000		94	84.9-109		
Batch B333977 - SW 3015 - EPA 6020A									
Blank (B333977-BLK1)				Prepared: 0	5/22/23 Analy	/zed: 05/24/2	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L	Ва						
Sodium	0.126	mg/L	В						
LCS (B333977-BS1)				Prepared: 0	5/22/23 Analy	/zed: 05/24/2	3		
Boron	548	ug/L		555.6		99	80-120		
Calcium	5.48	mg/L		5.556		99	80-120		
Magnesium	5.66	mg/L		5.556		102	80-120		
Potassium	5.59	mg/L		5.556		101	80-120		
Sodium	5.59	mg/L		5.556		101	80-120		
Batch B334050 - No Prep - SM 2320B 1997									
Duplicate (B334050-DUP2)	Sample: GE026	32-11		Prepared &	Analyzed: 05/	22/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	775	mg/L			762			2	10
Duplicate (B334050-DUP4)	Sample: GE026	32-14		Prepared &	Analyzed: 05/	22/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	412	mg/L			412			0	10
Batch B334208 - No Prep - SM 4500F C 1997									
Matrix Spike (B334208-MS3)	Sample: GE022	28-01		Prepared &	Analyzed: 05/	24/23			
Fluoride	39.2	mg/L	Q4	1.000	27.8	NR	80-120		
Matrix Spike Dup (B334208-MSD3)	Sample: GE022	28-01		Prepared &	Analyzed: 05/	24/23			
Fluoride	39.4	mg/L	Q4	1.000	27.8	NR	80-120	0.3	20



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NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

- B Present in the method blank at 126 ug/L.
- Ba Present in the method blank at 232 ug/L.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

David g Schindler

TNI

Certified by: Gail Schindler, Project Manager

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Samples ntact (Y/N) Project No./ Lab I.D. SAMPLE CONDITIONS (N/A) Custody saled Cook Received on Ice (Y/N) Residual Chlorine (Y/N) 33 J° ni qmeT = 0 DC_WPCP_203-206 Ē OC_SUP_000 Requested Analysis Filtered Site Location STATE DC CLOSURE 201-202 540-23 OC_842_206 DATE DC 842 203 DC_845_201-202 OC_811_204 DC_257_205 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION OC_257_204 OC_257_203 N/A 1 tesT sisylanA1 Other Methanol Na2S2O3 HOBN HCI HNO3 OS^zH Unpreserved Project Meneger: Profile #: 21 # OF CONTAINERS SAMPLE TEMP AT COLLECTION SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: アカン 1543 COLLECTED RELINQUISHED BY / AFFILIATION ą 5/10/23 0 3 2285 SAMPLE TYPE (G=GRAB C=COMP) MATRIX CODE (see valid codes to left) Valid Metric Codes

MATRIX

CODE

CODE

WATER

WITHING

W 10 day DC_X301_leachate DC_T44!L DC_T45!L DC-23Q2-Rev 0 DC_T46!L ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLE ID Requested Due Date/TAT: hone: (217) 753-8911 Section D Required Clent Inform # Mati m 4 40 2 Ξ 01 12 13 1 15 16

APPENDIX A.

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

(FE02632 Vmw 5-12-23

gemples Jugar (XVV) Φ Project No./ Lab I.D. SAMPLE CONDITIONS **DRINKING WATER** ъ Custody Sealed Coole (N/A) epj REGULATORY AGENCY no bevisoeA OTHER Page: Residual Chlorine (Y/N) S o" ni qma⊺ 0 GROUND WATER Š _ 뿔 DC_WPCP_203-206 RCRA C Requested Analysis Filtered (Y/N) DC_SUP_000 12 Jon 5/11/23 Site Location STATE DC_CLOSURE_201-202 DATE DC_845_205 NPDES UST DC_845_203 DC 842 201-202 DC_811_204 ACCEPTED BY / AFFILIATION DC_267_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC_257_204 DC_267_203 Analysis Test 1 N /A 020ch Other Methanol Vistra Corp Jason Stuckey see Section A Preservatives Na₂S₂O₃ HOBN HCI 4NO3 Company Name: S DS2H 1720 Section C Altention: Unpreserved Ĭ Address: Quote Reference Project Maneger: Profile * # OF CONTAINERS SAMPLER NAME AND SIGNATURE 5/11/23 SAMPLE TEMP AT COLLECTION DATE 17C II WE 33 COLLECTED RELINQUISHED BY J AFFILIATION 4/11/23 DATE 2116 Sopy To: Jason Stuckey Required Project Information Report To: Brian Voelker roject Number: 2285 SAMPLE TYPE (G=GRAB C=COMP) ٥ ی urchase Order No.: MATRIX CODE (see valid codes to lott) roject Name: Section B Valid Metrix Codes MATRIX CODE WAY NO WAY DRINKING WATER OWATER WATER WATER PRODUCT PROD 10 day Brian. Voelker@VistraCorp.com DC-23Q2-Rev 0 DC_G02&D DC_G06#S DC_BA03 DC_BA05# DC_G02#S DC_BA02 DC_BA02!L DC_BA031L DC_BA04 DC_BA06 DC_G02!L DC_G03!L DC_G04!L DC_G06!L DC_G07!L DC BA01 ADDITIONAL COMMENTS (A-Z, 0-97, -.) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Clent Information Requested Due Date/TAT: Vistra Corp (217) 753-8911 Section A Required Client Information: Email To: ₽ 7 12 13 4 45 8 est m 4 LC? 9 ^ 60 • # Mati

CHAIN-OF-CUSTODY / Analytical Request Document

DATE Signed (S) 11/2-5

un

PRINT Name of SAMPLER: SIGNATURE OF SAMPLER: APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

Project No./ Lab I.D. BAMPLE CONDITIONS DRINKING WATER REGULATORY AGENCY OTHER Residual Chlorine (Y/N) GROUND WATER Ş 팯 DC_MPCP_203-206 RCRA r Requested Analysis Filtered (Y/N) DC_SUP_000 DC_CLOSURE_201-202 STATE: Site Location (8 DATE OC_846_205 NPDES UST DC_846_203 DC 842 201-205 DC_811_20¢ ACCEPTED BY / AFFILIATION DC_257_205 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. DC_257_204 DC_257_203 **↓** taeT sisylsnA↓ 1 NIA Other anoca Methanol Vistra Corp Jason Stuckey see Section A Preservatives COSSEN HOBN 10H ompany Name: 42SO4 (220) Sunts Project Manager: Profile #: beviesergnU TIME # OF CONTAINERS 2 SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION Sulps DATE 2200 355 1500 COLLECTED RELINQUISHED BY / AFFILIATION 5/11/5 5/11/23 5/11/23 5/11/23 Jopy To: Jason Stuckey Section B Required Project Information: Report To: Brian Voelker 2285 ى 5 ٥ ZAMPLETYPE (GEGRAB CECOMP) urchase Order No. roject Number: (Hel of select billey ees) MATRIX CODE roject Name: Valid Matrix Codes
MATRIX CODE するのと Brian. Voelker@VistraCorp.com 10 day DC-23Q2-Rev 0 DC_G12#S DC G50#S DC_651#S DC_G52#S DC_G53#S DC_612!L DC_G14!L DC_G16!L DC G50!L DC_G52!L DC G54!L DC_615IL DC_G51!L DC_653!L DC_G08!L DC_G09IL ADDITIONAL COMMENTS (4-Z, 0-9 / ,-) Sample IOs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Vistra Corp Requested Due Date/TAT: (217) 753-8911 Required Client Information: squired Client Info Section D mail To: Address: hone: 9 ÷ 12 17 4 40 16 10 φ # WELL 8 m ۴-8 σ

CHAIN-OF-CUSTODY / Analytical Request Document

PRINT Name of SAMPLER: SIGNATURE of SAMPLER:

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Vrnu 5-12-3 Samples Intact (Y/V) a 6 Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER (V/V) N ъ * Custody ICP (Y/N) REGULATORY AGENCY 3 Received on OTHER Page: Residual Chlorine (Y/N) ю O" ni qmeT GROUND WATER = 17:20 TME DC_WPCP_203-206 RCRA Requested Analysis Filtered (Y/N) DC_SUP_000 5/11/23 STATE DC_CLOSURE_201-202 Site Location DATE OC 846 206 DATE Signad
(MAIDDITY) S 11/2 NPDES UST OC_845_203 DC_845_201-202 DC_811_204 ACCEPTED BY / AFFILIATION OC_267_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. Alt relevant fields must be completed accurately DC_267_204 DC_267_203 Analysis Test N/A Other 980c Methanol Company Name: Vistra Corp Jason Stuckey see Section A Preservatives Na₂S₂O₃ thing HOBM HCI Invoice Information: XXX メメメ HNO × × × × OSZH 1720 Section C TIME Auote Raference: Project. Menager: Profile #: Unpreserved vodress: # OF CONTAINERS 90 X 2 3 5/11/23 SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION PRINT Name of SAMPLER: DATE 85-1522 1158 354 TIME 1100 COLLECTED RELINQUISHED BY / AFFILIATION 5/11/13 5/11/13 5/11/23 5111/23 5/11/25 DATE Required Project Information: Copy To: Jason Stuckey Report To: Brian Voelker mject Number: 2285 3 ح 2 0 SAMPLE TYPE (G=GRAB C=COMP) Purchase Order No.: 7 7 (Ree of seboo bilev ees) MATRIX CODE roject Name: Section B Section B Valid Matrix Codes ナロロド DRINKING WATER WATER WASTE WASTE WASTE WASTE WASTE WASTE WASTE WASTE WILL WIPE AIR TISSIE Brian.Voelker@VistraCorp.com 10 day DC-23Q2-Rev 0 DC G55#S DC_G56#S DC_G57#S DC 658#S DC_G59#S DC_G60#S DC_G61#S DC G54#S DC_G56!L DC_G55!L DC_G57!L DC_G58!L DC_G59!L DC_G60!L DC_G62!L DC G631 ADDITIONAL COMMENTS (A-Z-0-97.-) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Client Information Vistra Corp Requested Due Date/TAT: Tone: (217) 753-8911 Section A Required Client Information: Section A mail To: 2 Ξ 12 5 7 5 # 4 Ŋ 9 ~ 4 _ 80 6 25

APPENDIX A.

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APPENDIX A (F02127-23 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Samples (NYY) (DBIn) 6 Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER (N/A) Custody ealed Coole ъ Received on Ice (Y/N) REGULATORY AGENCY Ю OTHER 1 Page: Residual Chlorine (Y/V) S b Temp in "C GROUND WATER 20 ---¥ DC_WPCP_203-206 RCRA 1 Requested Analysis Filtered (Y/N) DC_SUP_000 5/11/23 Site Location STATE DC_CLOSURE_201-202 DATE Signed
[MM/DD/TY]: 05///2 DATE DC 842 502 NPDES UST DC 842 203 DC_845_201-202 DC_811_204 ACCEPTED BY / AFFILIATION DC_257_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. DC_257_204 DC_257_203 1 taeT sisylsnA1 1 N/A Some Other d lonsiteM Company Name: Vistra Corp. Jason Stuckey see Section A _EO_SS_Sb/ Preservatives HOSV IDH go by Involce Informetion: Invoice Information: X [€]ONH X X [⊅]OS^zH ¥ 1720 У Unpreserved TIME ttention: ĸ Quote Reference: Project Menager: Profile #: Address: S 7 õ # OF CONTAINERS 5/11/2 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 92 1251 1115 N COLECTED RELINQUISHED BY / AFFILIATION 5/11/23 5/11/23 5/11/23 DATE Required Project Information: Copy To: Jason Stuckey Section B Required Project Information Report To: Brian Voelker 2285 ٥ e. SAMPLE TYPE (GAGRAB C=COMP) و Purchase Order No.: 35 Project Number. MATRIX CODE (see valid codes to left) roject Name: Valid Matrix Codes WATER WATER WASER WASER WASER WASER WASER WASER WASER WASER WASER SOLUTION Brian.Voelker@VistraCorp.com 10 day DC-23Q2-Rev 0 DC_G70!L DC_G64#S DC_G66#S S#295 DC DC_G71!L DC_G71#S DC G63#S DC_G65#S DC_G66!L DC_G67!L DC_G72IL DC G64!L DC_L103 DC G651L DC_G73!L DC_OM01 ADDITIONAL COMMENTS (4-2, 0-97...) Sample IDs MUST BE UNIQUE SAMPLEID 13498 E. 900th St Section D Required Client Information Vistra Corp Requested Due Date/TAT: Jone: (217) 753-8911 Required Client Information: Email To:

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Section A Required Client Information:

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APPENDIX A

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

Intect (Y/N) Project No./ Lab I.D. Samples SAMPLE CONDITIONS **DRINKING WATER** DRINKING WATER (N/J.) Sealed Coc ъ Custody Ice (Y/V) REGULATORY AGENCY 8 OTHER Received on Residual Chlorine (Y/N) b S O° ni qmaT GROUND WATER GROUND WATER Qr.L DC_WPCP_203-206 뾽 RCRA OCC SUP 000 Requested Analysis Filtered Site Location OCTCFORNBETS01-505 5/11/13 OC_846_206 NPDES NPDES DATE Signed DATE (MM/DD/YY): 05/// UST DC_846_203 OC_845_201-202 OC_811_204 OC_267_205 ACCEPTED BY / AFFILIATION CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately OC_267_204 OC_267_203 ♦ tesT sisylsnA1 INA Methanol Company Name: Vistra Corp see Section A Amenton: Jason Stuckey see Section A Preservatives _EO_SS_EBN HOEN 100 IOH Invoice information: 4NO3 × *OS*H Section C TIME Unpreserved X Quale Reference: Project Meneger: Profile #: Address: **# OF CONTAINERS** 5/11/27 SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION PRINT Name of SAMPLER: DATE 3521 COLLECTED RELINQUISHED BY / AFFILIATION 5/11/23 DATE Copy To: Jason Stuckey Section B Required Project Information: Report To: Brian Voelker 0 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. 5 Project Number: MATRIX CODE (see valid codes to left) roject Name: Valid Matrix Codes DRINKING WATER WASTE WATER PRODUCT SOIUSOLID Brian. Voelker@VistraCorp.com 10 day DC-23Q2-Rev 0 DC_P05&D DC P36&D DC_P01#S DC_P02#S DC P04#S DC P05#S DC_P36#S DC P37&D DC_P38#S DC PO1\$ DC POSIL DC_P36!L DC P37!L DC_P39iL DC POTIL DC P38!L ADDITIONAL COMMENTS (A-Z, 0-97, -) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Clent Information Requested Due Date/TAT Vistra Com (217) 753-8911 Section A Required Client Information: Email To: Phone: Address: 40 9 £ 2 2 7 ÷ \$ N 177 • ø œ 60 ITEM *

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APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Samples Intact (Y/N) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Custady Sealed Coole Received on Ice (Y/N) REGULATORY AGENCY 0 OTHER OTHER Page: Residual Chlorine (Y/N) Temp in °C 19 GROUND WATER 3 _ IN L OC MACE 203-206 5/11/23173 RCRA Requested Analysis Filtered (Y/N) DC_SUP_000 52/11/50 STATE DC_CLOSURE_201-202 Site Location DATE OC 842 502 NPDES UST UST DC 842 503 DC 842 S01-S05 OC_811_20¢ DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION C 257 205 CHAIN-OF-CUSTODY / Ahalytical Request Document The Chain-of-Cushody is a LEGAL DOCUMENT. All relevant fields must be completed accurately OC_257_204 OC_267_203 ↓ teeT sisylsnA↓ 1 N/A grace Methanol Company Name: Vistra Corp Jason Stuckey see Section A _EO_SS_SBN **HOBN** HÇI Involce Information: CONH V OS2H Attention: X Section C TIME Nublesewed 172 Ouote Reference: Project Manager: Profile #: Address: 0 # OF CONTAINERS SAMPLER NAME AND SIGNATURE 3/11/23 SIGNATURE OF BANPLER: PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE ΨVI 1051 COLLECTED RELINQUISHED BY / AFFILIATION 9/11/23 DATE Copy To: Jason Stuckey Required Project Information: Report To: Brian Voelker roject Number, 2285 ٦ SAMPLE TYPE (GEGRAB CECOMP) Purchase Order No.: Purchase Order No.: 7 MATRIX CODE (see valid codes to loft) roject Name: Valid Matrix Codes DRINKING WATER
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TISSUE 10 day Brian.Voelker@VistraCorp.com Brian.Voelker@VistraCorp.com DC-23Q2-Rev 0 DC P41#S DC_P41&D DC_P42&D DC_R72#S DC P39&D DC_P40!L DC P40#S DC P41!L DC P42#S DC_R13!L DC_R611L DC P39#S DC R10!L DC R11!L DC P42!L DC_T43!L ADDITIONAL COMMENTS (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Clientinformation Requested Due Date/TAT: Vistra Corp hone: (217) 753-8911 Section A Required Client Information: Emall To: Emall To: 12 5 4 5 3 4 S ø ф \$ 7 9 # Mati

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APPENDIX A.

DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Intact (Y/N) Project No./ Lab I.D. saidmes. SAMPLE CONDITIONS (N/A) Custody Sealed Cooler Received on Ice (Y/N) Residual Chlorine (Y/N) O. ni qmeT 17:30 = DC_WPCP_203-206 3 000_que_000 Requested Analysis Filtered 83 STATE DC_CLOSURE_201-202 h Site Location DATE 4 5/11/ DC_845_205 DC_846_203 DATE Signed (MM/DD/YY): O'S DC 842 201-202 DC_811_204 DC_267_205 ACCEPTED BY / AFFILIATION DC_257_204 DC 267 203 4 Analysis Test 4 1 N /A Other Methanol Na₂S₂O₃ Preservatives HÕEN нст ×× ONH OS"H 1720 × * Опртезетува TIME Project Manager: Profile #: 4 0 # OF CONTAINERS SAMPLER NAME AND SIGNATURE 5/11/23 PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 1525 1600 1605 COLLECTED RELINQUISHED BY / AFFILIATION 5/11/23 5/11/23 DATE orgect Number: 2285 9 SAMPLE TYPE (G-GRAB C-COMP) MATRIX CODE (see velid codes to left) roject Name: Valid Matrix Codes MATRIX CODE WAY AND SEE DRINGING WATER WATER WASTE WATER PRODUCT SOLLSOLID DC_X301_leachate 10 day DC-23Q2-Rev 0 DC_T45!L DC_T46!L DC 744!I ADDITIONAL COMMENTS (A-Z-0-91.-) Sample IDs MUST BE UNIQUE EB-4 SAMPLEID Section D Required Client Information Requested Due Datts/TAT: none: (217) 753-8911 67 7 10 w 60 2 Ξ 42 5 4 5 16 24 ١. 00 # METI

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203 Samples Intact (Y/V) 6 Project No./ Lab I.D. GEOTHAN SAMPLE CONDITIONS DRINKING WATER (N/A) Custody looQ bales ð Received on Ice (Y/N) REGULATORY AGENCY ń OTHER Page: Residual Chlorine (Y/N) \mathcal{C} Temp in °C GROUND WATER =ŝ ¥ DC_WPCP_203-206 RCRA Ţ Requested Analysis Filtered (Y/N) 000 പ്രാവ M 5/12/23 d DC CLOSURE 201-202 STATE Site Location DATE DC 842 502 N NPDES UST DC_845_203 15 DC 842 201-202 DC_811_204 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION DC_257_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC_257_204 OC_267_203 ↑ Analysis Test TN A Other orsen Methanol Company Name: Vistra Corp Jason Stuckey see Section A Preservatives Na2SO HOPN HCI EONH. POS2H Supre Reference: Project Meneger. Profile #: ME Address: nubleserved Ċί # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION PRINT Name of SAMPLER: SIGNATURE OF SAMPLER: 1/2/2 220 TIME COLLECTED RELINQUISHED BY / AFFILIATION 12 193 DATE Required Project Information; Copy To: Jason Stuckey teport To: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No.: Project Number: MATRIX CODE (see velid codes to lett) roject Name: Valld Matrix Codes DRINIONS WATER OF WATER WASTE WATER WATER WATER WATER WATER WATER WATER WATER WATER WASOUT WATER MATRIX Brian. Voelker a VIstra Corp. com 10 day DC-23Q2-Rev 0 DC G52#S DC_G53#S DC G12#S DC G50#S DC G51#S DC_G14!L DC_G15!L DC G51!L DC G52IL DC_G53!L DC_G09!L DC_G12!L DC_654!L DC_G16!L DC G50!L DC_G08!1 ADDITIONAL COMMENTS (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Chant Information Vistra Corp Requested Due Date/TAT: (217) 753-8911 Section A Required Clent Information: mail To: (ddress: hane: 5 4 2 \$ = 4 ÷ # M3TI ~ eri 4 'n 9 ١, 0 6

APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Semples Tact (Y/V) ø Project No./ Lab I.D. D SAMPLE CONDITIONS **GED274** DRINKING WATER 6 ъ N Custody Cealed Coo ŧ Received on loe (V/V) REGULATORY AGENCY m OTHER Residual Chlorine (Y/N) Pare. Page D. ni qmeT ૪ GROUND WATER = 3 ĪME DC_MPCP_203-206 RCRA 5/12/23/14 Requested Analysis Filtered (Y/N) DC_SUP_000 DC_CLOSURE_201-202 STATE Site Locatio DATE OC_846_205 NPDES UST DC_842_203 DC 842 201-202 DC_811_204 ACCEPTED BY / AFFILIATION DC_257_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. DC 267 204 DC_267_203 1 tesT sisylenA1 N/A drace Other Methanol company Name: Vistra Corp Jason Stuckey see Section A Preservetives Na₂S₂O₃ HOEN HÇI invoice Information: HNO POS^ZH Section C Section C Unpreserved Suoto taferance: roloct fanager: rolle #: Ħ 20 # OF CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE OF SAMPLER SAMPLE TEMP AT COLLECTION 100 304 COLLECTED RELINQUISHED BY / AFFILIATION 12/23 5/12/23 0 Section B Required Project Information: Sapy To: Jason Stuckey Report To: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. raject Number: MATRIX CODE (see valid codes to left) roject Name: Section B Valid Matrix Codes MATRIX CO DRAWER WATER WASTE WASTE WASTE WATER PRODUCT SOLSDLID DC 654#S+ Brian. Voelker@VistraCorp.com 10 day 0 DC_G56#5 DC_G58#S DC_G59#S S#095 00 DC G61#5 DC 655#S DC G57#S DC_G59!L DC G55!L DC_G56!L DC G57!L DC_G58!L DC_G601L DC_G62IL DC G63!L DC-23Q2-Rev ADDITIONAL COMMENTS (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E, 900th St lequined Clent Information Vistra Corp Requested Due Date/TAT: (217) 753-8911 Section A Required Client Information: Section D Section A ompany. mail To: ddress: 9 £ 45 5 4 ц 9 ITEM # N m 4 S 9 ^ 8 0

APPENDIX A.

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK, CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203 Semples Intect (Y/V) Project No./ Lab I.D. GE02747 BAMPLE CONDITIONS DRINKING WATER **DRINKING WATER** (N/Y) Custody Sealed Cooler Received on Ice (Y/V) REGULATORY AGENCY OTHER Residual Chlorine (Y/N) O. ni qmaT vGROUND WATER GROUND WATER = 14:31 DC_WPCP_203-206 TIME. RCRA 000_9U2_000 S 5/12/23 Requested Analysis Filtered W Site Location DC_CLOSURE_201-202 DATE DC 842 502 NPDES NPDES UST DC_845_203 DC 842 S01-S0S DC_811_204 ACCEPTED BY / AFFILIATION DC_267_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC_267_204 DC_257_203 ↑ tesT elevismA1 N/A groce Other Methanol Vistra Corp Jason Stuckey see Section A see Section A Preservatives _EO_sS_s6V HOEN 3 HCi Invoice information: EONH Company Name: *OS*H Section C Onpreserved TIME Aftention: Subto Seference: Project Meneger: Proffe #: Address: Address: ત In # OF CONTAINERS SAMPLER NAME AND SIGNATURE SIGNATURE of SAMPLER: PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 124 1030 I ME COLLECTED RELINGUISHED BY / AFFILIATION Pour 112-123 3 DATE 12 Sopy To: Jason Stuckey Required Project informætlan seport To: Brigh Voelker SAMPLE TYPE (G=GRAB C=COMP) urchase Order No.: roject Number: MATRIX CODE (see valid codes to left) roject Name: Section B Valid Matrix Codes WT WW ■ 역약 및 및 E P E DRINKING WATER WATER WATER WASTE WATER PROBUCT SOIL MORE IN Brian.Voelker@VistraCorp.com 10 day DC-23Q2-Rev 0 DC_P02#S DC P04#S DC_P05&D DC P36&D DC_P01#S DC_P01\$1 DC_P05#S DC P36!L DC_P36#S DC_P37!L DC P37&D DC_P38!L DC_P38#S DC_P05!L DC_P39!L DC_P01!L ADDITIONAL COMMENTS (A-2, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLEID 13498 E. 900th St Requested Due Date/TAT: Vistra Corp (217) 753-8911 Section A Required Client Information: Section D Required Client Info Email To:

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APPENDIX A. . ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK*CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203 Samples Intect (Y/N) Project No./ Lab I.D. 05027CJ SAMPLE CONDITIONS (N/A) Custody Seled Coole Received on Ice (Y/N) Residual Chlorine (Y/N) 2 O' ni qmsT = * TIME DC_MPCP_203-206 五 (N) DC_SUP_000 5/12/23 Requested Analysis Filtered DC_CLOSURE_201-202 STATE: Site Location DATE DC 842 502 OC 842 203 DC_845_201-202 DC_811_204 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION DC_257_205 DC_257_204 OC_257_203 T N /A 800 grown тельО lonerheM Preservatives COZSZBN TIME 6/2-13-23 HOSN НСІ [€]ONH OS2H Unpreserved 14.3 Project Manager: Profile #: 5 # OF CONTAINERS 151 SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION PRINT Name of SAMPLER: SIGNATURE OF SAMPLER: 1249 TIME 120 COLLECTED RELINQUISHED BY / AFFILIATION 22 DATE Project Number: 2285 SAMPLE TYPE (G=GRAB C=COMP) MATRIX CODE (see valid codes to left) Project Name: Valid Matth Codes
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Requested Due Date/TAT: Phone: (217) 753-8911

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Company:	Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey						
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Sectiv	Section D Valld Marrix Codes Required Clent Information MATRIX COD	삙			COLLECTED	STED				rese	Preservatives	Se	14.19	Î N /A	-		_													
. 8	(ID	VITE VITE VITE VITE VITE VITE VITE VITE	TYPE (G=GRAB C=CON				NOITOBLECTION	SABNIATIV													SOS-102_3AUSO		Cb_203-206		Chlorine (Y/N)					
#Wati		XIRTAM	_	DATE	щ	TIME	SAMPLE		Unprese	HCI HNO ³	HOsN	O ₂ S ₂ SN onertheM	Other	_	DC_257	DC_257	DC_811		DC_845	_ DC_845		DC_SUI	DC_WP		Residua	<u>.</u>	Project No./ Lab I.D	No./ Le	ab I.D.	
1	DC_G08!L						-			-										_		_			F					
2	DC_G091L																							-	- 1					
9	DC_G12!L												3	2.2	-				U						1					
4	DC_G12#S																													
uń.	DC_G141L						-																							
9	DC_G15iL									-			-																	
7	DC_G16!L								1		1	1			-	-														
80	DC_G50!L			-					-																					
6	DC_G50#S			13	523	19-56	7	7		+		1																		
=	DC_G51!L						-		-						+	-								+						
Ξ	DC_G51#S			5/5	123	11.26	2	0		-						-														
12	DC_G62!L									-														_						
13	DC_G52#S									+																				
4	DC_G53!L		-												H	-														
- 13 13	DC_G53#S						-			-																				
16	DC_G54!L				Ī				П	-				-	-	-														
	ADDITIONAL COMMENTS	E C	LINOU	RELINQUISHED BY / AFFILIATION	VEFILIATION	2	ATE	TIME	ш			ACC	ACCEPTED BY ! AFFILIATION	DBY	AFFIL	LIATIO	z			DATE			TIME	-	ŀ	SAMPL	SAMPLE CONDITIONS	DIFION	çıa .	
	DC-23Q2-Rev 0	(20)	TO	New /	The state of the s	57	15/23	181	00		1		1											-			_			
		0			-	****	4			7	3	3	4	4	4	1			5	5-16-23	23	9	55		6.3	>	=	_	7	
					SAMPLER	SAMPLER NAME AND SIGNATURE	GNATURE		1		0	6	1	1)								٥. ١	no b	-	:eloo		too
					Ξ 0	SIGNATURE OF SA	AMPLER:	-	8	7	1	200		-	DATE	DATE Signed	P	1	1	1	1	ar.			ıj dwe_	9VI9CO . (Y) 901	Custo	O bels: MY)	lgm&Z () testr	r) fastr
				-1				1	1	1	3	1		-	Ž.	C GGG	اۃ	2	1	+	1					4		s	1	

DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND rmu 5-16-23 (N/A) perjuj ø Project No./ Lab I.D. səldwəs SAMPLE CONDITIONS DRINKING WATER (N/A) ъ Custody sted Cool (V/V) REGULATORY AGENCY m OTHER Received on Residual Chlorine (Y/N) Page: Pane O, uj dulej C GROUND WATER = 05% M DC_WPCP_203-206 RCRA Requested Analysis Filtered (Y/N) DC_SUP_000 N STATE DC_CLOSURE_201-202 5/4.23 Site Location DATE DC 842 502 V NPDES UST DC_845_203 DC 842 201-202 DC_811_204 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION DC_257_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. DC_257_204 DC_257_203 **↓** test ▼ TNA Other lonsriteM ompany Name: Vistra Corp 2 Jason Stuckey see Section A SOSSEN Preservatives HOSN 1989 4 30 HCI nvoice Information: €ОИН [†]OS^ZH Section C Section C Unpreserved 뿔 Quals Reference: Project Manager: Profile #: ddress: 9 7 # OF CONTAINERS SAMPLER NAME AND SIGNATURE 5/5/23 PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION 10 In 5 5 COLLECTED RELINQUISHED BY AFFILIATION 23 53 13 DATE 15 Section B Required Project Information: Sopy To: Jason Stuckey W Report To: Brian Voelker roject Number: 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No.: MATRIX CODE (see valid codes to left) roject Name: 300 Section B Valid Matrix Codes MATRIX CODE DRINKING WATER
WASTE WATER
WASTE WATER
PRODUCT
OIL
WIPE C. CORVIERS 10 day Brian.Voelker@VistraCorp.com DC-23Q2-Rev 0 DC_G58#S DC_G59#S DC_G60#S DC_G61#S 2000 DC G55#S DC G56#S DC G57#S DC G54#S DC G57!L DC_G58!L DC_G59IL DC G55!L DC G561L DC_G601L ADDITIONAL CÓMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLEID 13498 E. 900th St Section D Required Clent Information Requested Due Date/TAT: Vistra Corp TONE: (217) 753-8911 Required Client Information: Section A Email To: 7 9 7 ç 42 9 N ** 4 147 9 ١. • ø F # Mati

APPENDIX A.

GE0249

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND (MAY) togali 0 Project No./ Lab I.D. Samples SAMPLE CONDITIONS DRINKING WATER (N/A) ŏ Custody Sealed Cook (N/A) eol REGULATORY AGENCY 40 OTHER Residual Chlorine (Y/N) Paga J. ul qmeT GROUND WATER 굍 TIME DC_WPCP_203-206 RCRA Requested Analysis Filtered (Y/N) 000_SUP_000 S-11-23 STATE DC_CLOSURE_201-202 5 Site Location DATE OC 842 202 NPDES 5 UST DC_842_203 DC 842 201-202 OC_811_204 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION OC_257_205 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. DC_257_204 DC_257_203 **↓ taeT** sisylanA↓ TN/A Other R New Methanol 99 Sompany Name: Vistra Corp Jason Stuckey see Section A 402SzBN HOBM Jose J HCI Invoice Information: Invoice information; HMO *OSEH Ruote Reference: Unpreserved T.ME Project Manager: Profile #: 12 # QE CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER; SAMPLE TEMP AT COLLECTION SIGNATURE of SAMPLER: DATE 3 1500 COLLECTED RELINQUISHED BY / AFFILIATION DATE 3 Required Project Information: Capy To: Jason Stuckey Section B Required Project Information: teport To: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. roject Number: MATRIX CODE (see velid codes to left) roject Name: Valid Natrix Codes Brian. Voelker@VistraCorp.com 10 day DC-23Q2-Rev 0 DC G67#S DC G71#S DC_L103 DC G64#S DC G65#S DC G66#S DC G63#S DC_664!L DC G65!L DC G66!L DC G671L DC G70!L DC G71!L DC_G72IL DC_G73!L DC_OM01 ADDITIONAL COMMENTS (A-Z, 0-97,-) Sample IDs MUST BE UNIQUE SAMPLEID 13498 E. 900th St Section D Required Client Information Vistra Corp Requested Due Date/TAT: Required Client Information: hone: (217) 753-8911 Section A Required Client Information: mail To: ddress: 2 7 2 5 **r**-0 6 7 * 16 8 3 4 wh ф

APPENDIX A.

vm 5-16-23

GE02977

APPENDIX A ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND GE02997 Vmw 5-16-23 Samples Intact (Y/N) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Custody saled Coole (Y/N) ъ REGULATORY AGENCY (N/A) app 0 OTHER Residual Chlorine (Y/N) Ä Q O° ni qmeT GROUND WATER = DC_WPCP_203-206 Ħ Requested Analysis Filtered (Y/N) DC_SUP_000 212 DC CCO20RE 201-202 Site Location STATE DATE DC_842_206 NPOES UST DC_845_203 DC 842 201-202 OC_811_204 DATE Signed (MM/DD/YY): DC 327 205 ACCEPTED BY / AFFILIATION CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC_267_204 OC_267_203 ↓ fesT sisylenA↓ T N /A Other Methanol Company Name: Vistra Corp Jason Stuckey Invoice Information: Attention: Jason Stuckey see Section A Preservatives Na₂S₂O₃ HOBN HCI 18h 707 "ONH H°20° Section C Unpreserved TIME Address: roject fenager; rofile #; 0 0 # OF CONTAINERS SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION 15/23 PRINT Name of SAMPLER: SIGNATURE of SAMPLER: PATE 1600 314 10t 324 TIME COLLECTED RELINQUISHED BY ! AFFILIATION 4 5/14/23 5 DATE 'n Sopy To: Jason Stuckey Section B Required Project Information: Report To: Brian Voelker Report To: Brian Voelker reject Number: 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No.: MATRIX CODE (see velid codes to left) roject Name: かららり Valid Metrix Codes MATRIX CODE DRINKING WATER I WASTE WATER PRODUCT SOILSOLD OIL WIPE AIR AIR TISSUE Brian. Voelker@VistraCorp.com 10 day DC_OM22#S DC_OM22&D DC_OM23#S DC_OM23&D DC_OM24&D DC-23Q2-Rev 0 DC OM05#S DC OM04#S DC OM10 DC_OM15 DC_OM16 DC_OM17 DC OMO8 DC OM09 DC_OM12 DC OM07 DC OM21 ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St tequired Client Information Section A Section A Required Client Information: Vistra Corp Requested Due Date/TAT: Vistra Corp Vistra Corp (217) 753-8911 Section D mail To: hone: Address

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Samples Intact (Y/N) Project No./ Lab I.D. Vimus S-14 SAMPLE CONDITIONS DRINKING WATER (NY) saled Cook ъ ICE (Y/N) REGULATORY AGENCY REGULATORY AGENCY OTHER Residual Chlorine (Y/N) 3 Or ol gmaT GROUND WATER 4 S TIME. DC_MPCP_203-206 RCRA ٤ 000 dns 000 Requested Analysis Filtered DC_CLOSURE_201-202 STATE 51/15 Site Location DATE OC 842 302 UST DC 842 S03 DC 842 201-202 DC 811 50¢ ACCEPTED BY / APFILIATION DC 591 509 CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. DC 521 504 DC 227 203 **↓ tesT siaylsnA** N/A Other Methanol Company Name: Vistra Corp Company Name: Vistra Corp Jason Stuckey see Section A COSSEN Preservatives HOSN HCI Invoice Information: grand OSZH Attention: Section C Zuoła Roforonco: Project Manager: Profile # Unpreserved TIME Address: 0 # OF CONTAINERS SAMPLER NAME AND SIGNATURE 5/5/3 SIGNATURE OF SAMPLER: PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION 528 13:74 S COLLECTED RELINCUISING BY ! AFFICIATION LANG R. 30 (5/23 15/23 33 7/5/5 DATE (31/ Copy To: Jason Stuckey Sopy To: Jason Stuckey Section B Required Project Information eport To: Brian Voelker roject Number: 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. MATRIX CODE (see valid codes to loth) oject Name Valid Matrix Codes DRINKING WATER WINASTE WATER WERCOUCT PAGOLISCALD S Brian.Voelker@VistraCorp.com 10 day DC OM25&D DC OR03&D DC OR04&D DC OR05&D DC_OR13&D DC_OR14&D DC-23Q2-Rev 0 DC OR13#S DC_OR14#S DC_OR19 DC OM25#S DC OR03#S DC ORUGIA DC_OR02 DC OR11 DC_OR18 ADDITIONAL COMMENTS (A-Z 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLEID Fax: 13498 E. 900th St 13498 E. 900th St 5.16.23 Requested Due Date/TAT: Vistra Corp ione: (217) 753-8911 Section A
ORequired Clien: Information: Section D Required Client Infor 5/2 Company Email To: Address: ò ю 9 ~ 6 우 Ę 7 4 7 12 16 # M3TI • 177 4 -

APPENDIX A.

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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

WELL/SAM	PLE POINT	G0	28		Purge I	Vethod:	DelCate	J Pump	
Date:	5-15-	23	Start Time:	13:48		Finish/Sa	ample Time:	15:15	<u> </u>
Well Depth (Bottom) Fro	m MP:	29.0 E	?ft		Min. Purge \	/olume:	1.0	Gal / L
Depth to Wa	iter From MF);	7.79	ft		Total Purge	Volume:	1.5	Gal / L
Water Colur	nn Length:		21.27	ft		Max Drawd	lown:	Na	ft
Well Water	Volume:		34	Gal / L		Total Drawd	own:	0.99	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)	21.1.11	ft.	mL/min	5.u.	umhos/cm	deg C	mV	mg/L	NTU
1	14:11	01/5	100	6.81	649	1427	-106	414	24
2	14:12	8.75	108	6.85	648	14.40	-105	4.22	19,4
3	14:13	8.76	100	6.85	6 40	14.32	-104	4.12	195
4									
5									
Stabilization	NA	NA	ŊA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
F:-1-1 84-4		110	rBa						
Field Meter:		riv	19.0			Well integri Well has ID		Yes	No
Sample App	еагалсе:					Casing locke		1	
		-Slight □	Mod. □	Strong		Well cap fits			
		1		Strong					
				Strong		Good seal/d		1	
TOID. LE	None o	Silgit 🗆	IVIOG 🗅	Sirong		Well has we	ep noies	<i>V</i>	
BOTTLE IN	ORMATION	V:							
	Unfile	tered				Filte	red		
	Bottles				Qty	Bottles			
	VOAS (C,V, 4	_				Metals (P,250		4)	
	VOAS (C,V, 4 Organics (A,G				1	Ammonia (P,2 General (P,50			
	Organics (A,G		_		7		O ML	MI	
marries.	TOC (A,V 40n			1		10-	ML		
	TOX (A,G 250								
1	Metals (P,250	mL, HNO3)							
		50mL, NaOH)							
		250mL, H2SC	-						
/	General (P, 2	50 mL) /00	o M						
	2.5,2						B	+	
					Final	DTW:	2, 18	ft	
•	116	((ovidat	, ,			1 41.		Da Canna
Comments	11/1	overa	0 - 10/17	Conn	cet to	well	OVE	1000	Bo Connid
V15 11	7/1-7	OVETON	18 /	104 +1	In The		fter s	N/YIP/	ng well
Well S!	Vーノ(617557	1	1	NNI	cele			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT PACKET POND DC-257-203

WELL/SAM	PLE POINT	G5	ios		Purge I	Viethod:	Delica	HU BH	MP
Date:	5-15-2	3	Start Time:	11:50		Finish/S	ample Time:	12.5	6
Well Depth	(Bottom) Fro	m MP:	37.30			Min. Purge	Volume:	1,0	Gal / L
Depth to Wa	ater From MF	P:	12.10	ft		Total Purge	Volume:	1.3	Gal / L
Water Colu	mn Length:		25.20			Max Drawo	down:	No-	ft
Well Water	Volume:		<u>L). 0</u>	Gal / L	513	Total Drawd	own:	-514	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)	11.176	(ft.)	(mL/min)	(s.u.)	(umhosicin)		(mV)	(mg/L)	(NTU)
1	11 48	13 73	100	7.24	318	14.27	-103	6 87	99.4
2	1149	14:11	100	7.25	562	14.15	-103	6.98	80.0
3	11:50	14:05	100	7.26	561	14.09	-103	6.81	66.7
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		HOOF	Ba			Well Integri	tv	Yes	No
		1100			-	Well has ID		V.	
Sample App	earance:					Casing lock		V	
Odor: 🕡	None 🗆	Slight	Mod. □	Strong		Well cap fits	securely.		
	/			Strong		Good seal/d		1	
Turb: 🖸	None 🗆	Slight 🗆	Mod □ S	Strong		Well has we	ep holes	~	
BOTTLE IN	FORMATION	N:							
	Unfile					Filte	ered		
Qty	Bottles		-		Qty	Bottles			
	VOAs (C,V, 4					Metals (P,250	mL, HNO3)		
	VOAS (C,V, 4	<u>_</u>			- 1	Ammonia (P,			
	Organics (A,C					General (P.56	10mL) 1000	, ML	
	Organics (A,G				<i>p</i>	TOC, 4	2, ML		
	TOC (A,V 40n					,	/		
1	TOX (A,G 250								
	Metals (P,250 Cyanide (P, 2		-						
	Phenois (A,G,								
	General (P, 2								
1	2.5 L								
	7,				Final	DTW:	17.2	4	
Comments	Na								
Dis	1000	20.194							
				1.	114	1 1			
			Sampler's Si	ignature:	CAL	$\overline{\mathcal{L}}$			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT CACHEROND DC-257-203

WELL/SAN	IPLE POINT	G5	15		Purge i	Vethod:	policut	19 brus	
Date:	5-15-	23	Start Time:	10.02		Finish/Sa	ample Time:	11:26	
Well Depth	(Bottom) Fro	m MP:	32.17	ft		Min. Purge \	/olume:	1.0	Gat / L
Depth to W	ater From MF	o:	09.95	ft		Total Purge	Volume:	1.3	Gal / L
Water Colu	mn Length:		22.22	ft		Max Drawo	lown:	_Va_	ft
Well Water	Volume:		7.5	Gal / L		Total Drawd	own;	7.28	
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	10:23	12.62	100	7.14	601	13.75	-54	1.40	556
2	10:24	12.02	100	7.13	602	13.61	-54	1.33	530
3	10:25	12.03	100	7.12	600	13.64	-53	1.26	430
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		1-0116	Pa			Michigan a	4	T V 1	
Field Meter		170110	<i>u</i> –		-	Well Integri Well has ID		Yes	No
Sample App	noaranco:						-	1	
	مداه			_		Casing locke		V/	
		7		Strong	-	Well cap fits	securely.		
Color [None	Slight □	l Mod. □	Strong		Good seal/d	rainage	V	
Turb:	None □	Slight ☑	Mod □	Strong		Well has we	ep holes	1	
BOTTLE IN	FORMATION	N:							
		tered				Filte	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	0mL, HCL)			1	Metals (P,250	mL, HNO3)		
	VOAS (C,V, 4	10mL)			1	Ammonia (P,2	250mL, H2S0		
	Organics (A,C	3,U 1000mL)			1	General (P,ঠে	(mL) 1000	ML	
	Organics (A,C				3	TOL	40 ML		
3	TOC (A,V 40r								
	TOX (A,G 250								
/	Metals (P,250								
		50mL, NaOH)			-				
1		,250mL, H2S0 50mL) 0 8							
-1	2.5.6		0 / 1		*				
-	سار ن ک	111.10							
					Final	DTW:	17/2	<u>5</u> n	
	A 1.								
Comments	IVA	~	-						
115	ITON	> 0.18				1			
			Sampler's S	ionature: 7	Mar				
				3.10.00	,				

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

WELL/SAN	PLE POIN	rG	54L		Purge N	Method:	portabl	e prof)
Date:	5-11-	23	Start Time:	11:0	7	Finish/S	ample Time	1220	
Well Depth	5/12/ (Bottom) Fr	23 20 S	40.30	ft 🗸		Min. Purge	Volume:	1000	Gal/L A
Depth to W	ater From M	íP:	22,40	ft		Total Purge	Volume:	1800	Gal/L Z
Water Colu	mn Length:		17.90	ft		Max Draw	down:	Na	ft
Well Water	Volume:		10.84	Gal /(L/		Total Drawd	lown:	2.95	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	1118	24.35	100	6.54	1486.3	20.32	-40.1	1.05	94,33
2	1119	24,37	100	6,55	1495,1	20,34	-38.8	1.06	106.77
3	1/2/	24,39	100	6.54	1504.9	20,37	-37.5	1,04	129.58
4									>
5	_								
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter	:	-Horif	or Ayun	ta// 60	0	Well Integr	ity	Yes	No
		TAB .				Well has ID	sign	1	
Sample Ap	pearance:					Casing lock	ed/secure	/	
Odor:	None I	□ Slight □	□ Mod. □	Strong		Well cap fit	s securely.	1	
Color Z	None I	□ Slight □	□ Mod. □	Strong		Good seal/o	drainage	1	
Turb: 💆	None [□ Slight □	Mod □ S	Strong	-	Well has we	eep holes	/	
BOTTLE IN	IFORMATIC	ON:							
	Unf	filtered				Filt	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V,	40mL, HCL)			1	Metals (P,25	0mL, HNO3)		
	VOAS (C,V,	40mL)			t	Ammonia (P.	250mL, H2S	04)	
	Organics (A	,G,U 1000mL)				General (P,5	00mL)		
	Organics (A	,G,U 500mL)			_ 3	Toc			
3	TOC (A,V 4	0mL, H2SO4)			1	P1000 -L			
	-	50mL, H2SO4)							
-	_	50mL, HNO3)							
		250mL, NaOH							
		G,250mL, H2S	04)		_				
-	General (P.				3,787	C111 +	1-7-		
1	Ploce ni					Soluble I	ron		
	P2.56 F	1865			የ p r Final	DTW:	25,35	ft	
Comments									
					7)/		ZMD		
			Camplada S	ionoturo	Mal	2000	SliL		
			Sampler's S	ignature.	1	9 4	ALIE	_	
					11	1/1/			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGE FACILITY POND DC-257-203

WELL/SAN	IPLE POINT	G5	45		Purge I	Method:	Deachted	brub	
Date:	5-12-	23	Start Time:	10:56)	Finish/\$	ample Time:	13:00	1
Well Depth	(Bottom) Fro	m MP:	51.26	fl		Min. Purge	Volume:	1.0	Gat /L
Depth to W	ater From MF	D:	23.40	fl		Total Purge	Volume:	1:3	Gal / ௰
Water Colu	mn Lenath:		27.84	ft		Max Draw	down:	NA	ft
Well Water	_		4.4	Gal / L		Total Drawd		0.10	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	11:17	25.30	00	b. 82	798	16.40	-22	1.47	49.0
2	11:18	25,40	100	6.76	797	16.31	26	1.34	44.8
3	11:19	25,48	100	b. 73	796	16.34	-30	1.24	40.5
4	Car - PLACE								
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter		Heri	Ba			Well Integri	sign	Yes	No
Sample App	oearance:					Casing lock	ed/secure	J.	
Odor:	None 🗆	Slight	Mod. □	Strong		Well cap fits	s securely.	1,	
Color E	None	Slight 🗆	Mod. □	Strong		Good seal/o	Irainage	1,	
Turb: [5	Mone □	Slight	Mod □	Strong		Well has we	ep holes	1	
BOTTLE IN	FORMATIO	N:							
		tered				Filt	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	OmL, HCL)			121	Metals (P,250	OmL, HNO3)		
	VOAS (C,V, 4	40mL)			41	*	250mL, H2S0		
	Organics (A.C				171	General (P ;5	90mL) 1000	ML	
	Organics (A,C	3,U 500mL)			3+3	TOC 4	O ML		
7+3	TOC (A,V 40)					-	/		
	TOX (A,G 25)	0ml., H2SO4)							
141	Metals (P,250								
		50mL, NaOH)							
7.6		,250mL, H2SC				-).
1+1-		50 mL) /00	ML		_				
1+1	2.5,6	HAD					17 3		
Comments	DIS I	10 N -	2.7	78	Final	DTW:	2/1	80 tt	
-rv	was q	1264			11.				
			Sampler's S	ignature:	MM	Ch			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGE**NENT ACTION** POND DC-257-203

Qty Bottles VOAs (C, VOAS (C) Organics	Depth (ft.) 20.75 26.75 NA	Start Time: 37.40 20.25 17.15 10.39 Flow Rate (mL/min) 100 100 NA	ft ft	Spec Cond (umhos/cm) 1287,2 12(0,2 1281,3	Min. Purge Y Total Purge Max Drawd Total Drawd	Volume: lown:	1600 1800	Gal / L Gal /
Depth to Water From Water Column Length Well Water Volume: Reading Time (Units) 1 1/2 / 2 / 4 2 2 3 / 4 2 4 4 5 5 Stabilization NA Field Meter: None None Turb: None None	Depth (ft.) 20.75 26.75 26.75	20.25 17.15 10.39 Flow Rate (mL/min) 100 100	ft Gal (i) pH (s.u.) 6,36	Spec Cond (umhos/cm) 1287,2 12(0,2	Total Purge Max Drawd Total Drawd Temp (deg C)	Volume: down: own: ORP (mV)	0.50 DO (mg/L)	Gal / L
Water Column Length Well Water Volume: Reading Time (Units) 1 1/2/ 2 //22 3 //24/ 4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None Turb: None BOTTLE INFORMAT Qty Bottles	Depth (ft.) 20.75 26.75 26.75	17.15 10.39 Flow Rate (mL/min) 100 100	ft Gal (i) pH (s.u.) 6,36	Spec Cond (umhos/cm) 1287,2 12(0,2	Max Drawd Total Drawd Temp (deg C)	own: ORP (mV)	0.50 DO (mg/L)	ft Turb (NTU)
Reading Time (Units) 1 1/2/ 2 //22 3 //24 4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None Turb: None BOTTLE INFORMAT Qty Bottles	Depth (ft.) 20.75 26.75 26.75	Flow Rate (mL/min) Lad 100	Gal (i) pH (s.u.) 6,36	(umhos/cm) 1287.2 1260.2	Temp (deg C)	ORP	0.5 o DO (mg/L)	ft Turb (NTU)
Reading Time (Units) 1 1/2/ 2 //22 3 //24 4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None Turb: None Gty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A, V, TOX (A, G) Metals (P)	(ft.) 20.75 26.75 26.75	Flow Rate (mL/min) Lad 100	Gal (i) pH (s.u.) 6,36	(umhos/cm) 1287.2 1260.2	Temp (deg C)	ORP (mV)	DO (mg/L)	Turb (NTU)
(Units) 1 1/2/ 2 //22 3 //24 4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None Turb: None Gty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A,V TOX (A,G) Metals (P	(ft.) 20.75 26.75 26.75	(mL/min)	(s.u.) 6,36 6,85	(umhos/cm) 1287.2 1260.2	(deg C)	(mV)	(mg/L)	(NTU)
(Units) 1 1/2/ 2 //22 3 //24 4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None SOTTLE INFORMAT Qty Bottles	(ft.) 20.75 26.75 26.75	(mL/min)	(s.u.) 6,36 6,85	(umhos/cm) 1287.2 1260.2	(deg C)	(mV)	(mg/L)	(NTU)
2 /422 3 /424 4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None BOTTLE INFORMAT Qty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A,V TOX (A,G) Metals (P	26.75 26.75 NA	100	6.85	1260,2		124,6		
3 /424 4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None BOTTLE INFORMAT Qty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A,V TOX (A,G) Metals (P	26,75 NA	100			17.74	Ç-	-1-1	50.46
4 5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None BOTTLE INFORMAT Qty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A,V TOX (A,G) Metals (P)	26,75 NA		6.87	1281.3		124,7	2,58	44,15
5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None SOTTLE INFORMAT Qty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A, Q) I Metals (P		NA			17.71	124.7	2,55	46.85
5 Stabilization NA Field Meter: Sample Appearance: Odor: None Color None Turb: None BOTTLE INFORMAT Qty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A, O) TOX (A, G) Metals (P		NA						
Field Meter: Sample Appearance: Odor: None Color None Turb: None BOTTLE INFORMAT Qty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A,V TOX (A,G) Metals (P)		NA						
Field Meter: Sample Appearance: Odor: None Color None Turb: None BOTTLE INFORMAT Qty Bottles	Λ		± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Sample Appearance: Odor: None Color None Furb: None SOTTLE INFORMAT Qty Bottles VOAs (C, VOAS (C) Organics Organics 3 TOC (A,V TOX (A,G)	n							
Odor: None Color None Furb: None BOTTLE INFORMAT Color None None BOTTLE INFORMAT VOAS (C. VOAS (C. VOAS (C. Organics Organics TOC (A,V. TOX (A,C.) Metals (P.	- Muati	011600			Well Integri		Yes	No
Odor: None Color None					Well has ID		/	
Color None Furb: None BOTTLE INFORMAT Qty Bottles VOAS (C. VOAS (C. Organics Organics TOC (A,V. TOX (A,G.) Metals (P.				- 3	Casing lock	ed/secure	/	
Furb: None BOTTLE INFORMAT Qty Bottles VOAS (C, VOAS (C) Organics Organics TOC (A,V) TOX (A,G) Metals (P)	□ Slight	□ Mod. □	Strong		Well cap fits	securely.		/
Qty Bottles VOAs (C. VOAS (C. Organics Organics TOC (A, V. TOX (A, G. I. Metals (P.	□ Slight	□ Mod. □	Strong		Good seal/d	rainage	/	
Qty Bottles VOAs (C. VOAS (C. Organics Organics TOC (A, V. TOX (A, G. I. Metals (P.	□ Slight I	□ Mod □ S	Strong		Well has we	ep holes	1	
Qty Bottles VOAs (C, VOAS (C) Organics Organics TOC (A,V) TOX (A,G)							/	
Qty Bottles VOAs (C, VOAS (C) Organics Organics TOC (A,V) TOX (A,G) Metals (P)	ION:							
VOAs (C, VOAS (C) VOAS (C) Organics Organics TOC (A, V) TOX (A, G) Metals (P)	nfiltered				Filte	ered		
VOAS (C Organics Organics 3 TOC (A,V TOX (A,G				Qty	Bottles			
Organics Organics TOC (A,V TOX (A,G) Metals (P	/, 40mL, HCL)				Metals (P,250			
Organics TOC (A,V TOX (A,G					Ammonia (P,		4)	
3 TOC (A,V TOX (A,G Metals (P	A,G,U 1000mL)		-	General (P,50)0mL)		
TOX (A,G Metals (P	A,G,U 500mL)			3	Toc			
Metals (P				1	1000 -L			
					-			
[Cyallide]				-	-			
	A,G,250mL, H2							
	2, 250 mL)	30-17						
				0,012	5=/46/4 I	ma+2		
1 P 1600 .	HNAS		5 g 8	ppm	1 - 14 311 -	VII		
11100	HN03		4.5		DTW:	20.75	ft	
Comments								
				1	0 11			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGENERIK CHEEK POND DC-257-203

WELL/SAM	PLE POINT	Ge	60L		Purge A	Method:	Ocoico	tha pu	M۲
Date:	5-12-2	3	Start Time:	09:3	1	Finish/Sa	ample Time:	10:4	8
Well Depth	(Bottom) Fro	m MP:	27.00	fl		Min. Purge \	/olume:	1.0	Gal/L
Depth to Wa	ater From MF	·:	12.27	ft		Total Purge	Volume:	ę.	Gal / L
Water Colur			14.73			Max Drawd		Ne	fl
Well Water	Volume:		2.3	Gal / L		Total Drawd	own:	7.64	fl
Reading	Time	Depth	Flow Rate	рH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	_	(mV)	(mg/L)	(NTU)
1	09:45	15.3c	100	5.99	725	13.77	262	2,66	7-71
2	09:46	15.30	100	5.99	720	13.78	254	2,59	23,0
3	09:47	15.32	100	5 97	720	13.66	242	2.45	15.4
4				~					1
-	1				1				-
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		HOS	Pa.			Well Integri	tv	Yes	No
i ioid illotoii			1200			Well has ID		1	
Sample App	еагапсе:					Casing lock		VI	
		Slight [l Mod. □	Strong		Well cap fits		/	
Color W	None 🗆	Slight	l Mod. □	Strong		Good seal/d	rainage	V,	
Turb:	None □	Slight	Mod □	Strong		Well has we	ep holes	/	
BOTTLE IN	FORMATION	N:							
		tered				Filte	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	0mL, HCL)			1	Metals (P,250	mL, HNO3)		
	VOAS (C,V, 4	l0mL)			1	Ammonla (P,	250mL, H2S0	4)	
	Organics (A,C	3,U 1000mL)			1	General (P;60		o ML	
y	Organics (A,C				l	TOC, 4	0 ML		
3	TOC (A,V 40r	mL, H2SO4)					,		
	TOX (A,G 250	mL, H2SQ4)							
+	Metals (P,250	mL, HNO3)							
-	Cyanide (P, 2	50mL, NaOH)						
	Phenois (A,G								
	General (P, 2		00 ML						
	2.5,L	HN83							
	1. 1	12			Final	DTW:	19.91	ft	
Comments	Dis. I		524						
			Sampler's S	ignature:	WILL	un			

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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT RACKET POND DC-257-203

WELL/SAN	PLE POIN	т G	60S		Purge I	Method:	Portable.	Pany	
Date:	5/12	123	Start Time:			Finish/8	Sample Time:	_1100	
Well Depth	(Bottom) Fr	rom MP:	-39:20	ft 39.47		Min. Purge	Volume:	1000	Gal/L
Depth to W	ater From M	IP:	25.28	ft		Total Purge	e Volume:	1800	Gal/L
Water Colu	mn Length:		14,19	ft		Max Draw	down:		ft
Well Water	Volume:		A	Gal / L		Total Draw	down:	0.70	ft
Reading	Time	Depth	Flow Rate	ρН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1000	25.87	100	6.81	953,68	17.56	-20.8	1.21	7 1000
2	1001	25,88	100	6.31	952.90	17,59	-20.7	1,21	71000
3	1003	25,90	100	6.81	955.61	17,61	-21.7	1,20	71000
4	_					-			
5	<								
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		A	11 /00						
Field Meter		HE WAT CH	11 600		-	Well Integ		Yes	No
			E.			Well has II		1	
Sample App						Casing loc	ked/secure	-/	
Odor: [None	Slight t	□ Mod. □	Strong		Well cap fit	ts securely.	/	
Color [None (□ Slight □	Mod. □	Strong		Good seal/	'drainage		
Turb:	None [□ Slight □	Mod 🏿	Strong	- 1	Well has w	eep holes		1
BOTTLE IN	FORMATIC	ON-							
DOTTEE III		filtered				Fil	tered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V,	40mL, HCL)			1	Metals (P,25	50mL, HNO3)		
	VOAS (C,V,				i		,250mL, H2S0	4)	
	Organics (A	,G,U 1000mL)				General (P,	500mL)		
	Organics (A	,G,U 500mL)			3	Toc			
3	TOC (A,V 40	0mL, H2SO4)				P 1000 m L			
		50mL, H2\$O4)							
-1		50mL, HNO3)							
		250mL, NaOH							
		G,250mL, H2S	04)						
-	General (P.				15.6	~ 1 1: ×	- 12		
	PionomL				6,506	Soluble I	con		
	P2.5L	HNOS			lib.	DTW:	7500		
Comments	Ded; car	ed bladd	er punp d	lesof wi	k used p	portable 1	25,98 04mp	- ft	
			Sampler's S	ignature:	Jum	-8	w/		

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENTA GUTE FOND DC-257-203

ate:	5/17,	12023	Start Time:	093	5	Finish/Sa	mple Time:	102	7
Vell Depth	(Battom) Fr	om MP;	39.20	ft		Min. Purge V	/olume:	/000	Gal/L
epth to Wa	ater From M	P:	25.40	ft	ft Total Purge Volume:			1000	Gal/L 6
	nn Length:		13.80	fi	ft Max Drawdown:				ft.
	_							100	
Vell Water	Volume:		8.35	Gal (L)		Total Drawd	own:	1.08	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1014	26.84	100	6-70	790	16-36	2	1.32	71000
2	1016	26.84	1 C/O	6.68	803	16.26	-6	1-24	71000
3	1018	26.84	60E	6.67	805	16.24	-11	1.17	71000
4	_	-		/		-	~		
									/
5									
	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
tabilization				± 0.2	± 3%				
tabilization			ri6a	± 0.2	± 3%	Well Integri	ty	± 10% or 0.2	No No
tabilization				± 0.2	± 3%	Well Integri	ty sign		
tabilization field Meter: Sample App	pearance:	<u> </u>	1:6a	± 0.2	± 3%	Well Integri	ty sign ed/secure		
itabilization field Meter: Sample App Odor:	pearance:	 ∐Slight □	1160		± 3%	Well Integri Well has ID Casing locke	sign ed/secure securely,		
itabilization field Meter: Sample App Odor:	pearance: None		1 Mod. □	Strong	± 3%	Well Integri Well has ID Casing locke Well cap fits	sign ed/secure securely rainage		
itabilization field Meter: Sample App Odor: Color Curb:	pearance: None None		1 Mod. □	Strong Strong	± 3%	Well Integri Well has ID Casing locke Well cap fits Good seal/d	sign ed/secure securely rainage		
itabilization field Meter: Sample App Odor: Color Curb:	pearance: None None None FORMATIO		1 Mod. □	Strong Strong	± 3%	Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we	sign ed/secure securely rainage ep holes		
itabilization field Meter: field Meter: field Meter: foample App Odor: Color Curb:	Pearance: None None None FORMATIO		1 Mod. □	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we	sign ed/secure securely rainage		
itabilization field Meter: Sample App Odor: Color Curb:	Pearance: None None None FORMATIO Unf		1 Mod. □	Strong Strong	± 3%	Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we	sign ed/secure securely rainage ep holes		
itabilization field Meter: field Meter: field Meter: foample App Odor: Color Curb:	Pearance: None None None FORMATIO Unf	Slight Slight Slight Slight Slight Slight Slight Shr:	1 Mod. □	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we	sign ed/secure securely rainage ep holes ered	Yes	
itabilization field Meter: field Meter: field Meter: foample App Odor: Color Curb:	Pearance: None None FORMATIC Unf Bottles VOAs (C,V,	Slight Slight Slight Slight Slight Slight Slight Shr:	1 Mod. □	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
itabilization field Meter: field Meter: field Meter: foample App Odor: Color Curb:	Pearance: None None None FORMATIO Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A	Slight Sl	1 Mod. □	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
itabilization field Meter: field Meter: field Meter: foample App Odor: Color Curb:	Poearance: None None None FORMATIO Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A Organics (A TOC (A,V 44)	Slight Sl	1 Mod. □ 1 Mod. ☎ 1 Mod 1 Mod	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
tabilization ield Meter: ample App odor: Color urb:	Pearance: None None None FORMATIO Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A Organics (A TOC (A,V 40 TOX (A,G 2)	Slight Sl	1 Mod. □ 1 Mod. ☎ 1 Mod 1 Mod	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
tabilization ield Meter: ample App odor: color urb:	Pearance: None None None FORMATIC Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A Organics (A TOC (A,V 44 TOX (A,G 23 Metals (P,25	Slight Sl	1 Mod. □ 1 Mod. ☎ 1 Mod . ૹ	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
tabilization ield Meter: sample App Odor: Color urb:	Pearance: None None None FORMATIO Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A Organics (A TOC (A,V 40 TOX (A,G 2) Metals (P,25 Cyanide (P,	Slight Sl	1 Mod. © 1 Mod &	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
tabilization ield Meter: sample App Odor: Color urb:	Pearance: None None None None FORMATIO Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A Organics (A TOC (A,V 40 TOX (A,G 2) Metals (P,28 Cyanide (P,	Slight Sl	1 Mod. © 1 Mod &	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
itabilization field Meter: field Meter: field Meter: foample App Odor: Color Curb:	Pearance: None None None FORMATIO Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A Organics (A TOC (A,V 40 TOX (A,G 2) Metals (P,25 Cyanide (P,	Slight Sl	1 Mod. © 1 Mod &	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	
itabilization field Meter: field Meter: field Meter: foample App Odor: Color Curb:	Pearance: None None None None FORMATIO Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A Organics (A TOC (A,V 40 TOX (A,G 2) Metals (P,28 Cyanide (P,	Slight Sl	1 Mod. © 1 Mod. &	Strong Strong		Well Integri Well has ID Casing locke Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,350	sign ed/secure securely rainage ep holes ered emL, HNO3)	Yes	

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203

	PLE POINT		45		Purger	Method:	Disa by 3	1/// 0	
Date:	5-11-2	3	Start Time:			10 (1)	Months I	'# T 1 L	
Well Depth	(Bottom) Fro	m MP:	39.50	13:1	15	Min. Purge \	/olume:	1.0	Gal / L
Depth to Wa	ater From MF	: 13,21	20.89	ft C		Total Purge	Volume:	1,3	Gal / L
Water Colu	mn Length:		16.27	ft		Max Drawd	lown:	Na t	ì
Well Water	Volume:		2.59	Gal / L		Total Drawd	own:	0,40	t
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)	111110	(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	17:59	24.11	100	L. 86	792	16.46	-37	4.87	86.
2	14:00	24 15	100	h 87	780	16.51	-36	4.78	80.0
3	14:07	24.11	100	6,86	765	16,42	-33	4.63	48.
4				0,00					
5)
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		Horif	? a			Well Integri	.	Yes	N.
Field Meter:		(101.1)	1	_	-	Well has ID		168	No
Sample App	nearance:					Casing lock		1	-
	/	Olimba m		C1				1/	
	7	Slight [Mod.	Strong	-	Well cap fits	securely.	,	
Color I	None	Slight [Mod. □	Strong		Good seal/d	rainage	V	
	Mone □	Slight □	Mod □	Strong		Well has we	ep holes	1/	
Turb: 🖫									
	FORMATION	V:							
	FORMATION	N: tered	-				ered		
	FORMATION Unfil Bottles	tered			Qty	Bottles			
BOTTLE IN	FORMATION Unfill Bottles VOAs (C,V, 4	0mL, HCL)	10		Qty	Bottles Metals (P.250	mL, HNO3)		
BOTTLE IN	FORMATION Unfill Bottles VOAs (C,V, 4 VOAS (C,V, 4	0mL, HCL)			Qty	Bottles Metals (P,250 Ammonia (P,)mL, HNO3) 250mL, H2S(
BOTTLE IN	FORMATION Unfill Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,C	0mL, HCL) IOmL) 3,U 1000mL)			Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	0	
BOTTLE IN	FORMATION Unfill Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C	0mL, HCL) 10mL) 5,U 1000mL) 6,U 500mL)			Qty	Bottles Metals (P,250 Ammonia (P,)mL, HNO3) 250mL, H2S(0	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40)	0mL, HCL) 10mL) 3,U 1000mL) 5,U 500mL) mL, H2SO4)			Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	0	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25)	0mL, HCL) 10mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4)			Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	0	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 250 Metals (P,250	tered OmL, HCL) IOmL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) OmL, H2SO4) OmL, HNO3)			Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	0	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 250 Metals (P,250 Cyanide (P, 2	tered :0mL, HCL) :0mL) :3,U 1000mL) :3,U 500mL) :mL, H2SO4) :0mL, H2SO4) :0mL, HNO3) :50mL, NaOH			Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	0	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 250 Metals {P,250 Cyanide (P, 2	tered 10mL, HCL) 10mL) 13,U 1000mL) 13,U 500mL) 14, H2SO4) 150mL, H2SO4) 150mL, NaOH 1,250mL, H2SO	04)		Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	0	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 25r Metals (P,25r Cyanide (P, 2 Phenols (A,G General (P,25r	0mL, HCL) 10mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH ,250mL, H2Se	04)		Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	0	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 250 Metals {P,250 Cyanide (P, 2	tered 10mL, HCL) 10mL) 13,U 1000mL) 13,U 500mL) 14, H2SO4) 150mL, H2SO4) 150mL, NaOH 1,250mL, H2SO	04)		Qty	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	OmL, HNO3) 250mL, H2S(196mL) 1 €0	NL.	
Oty 3	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G General (P,2	0mL, HCL) 10mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 150mL, NaOH 1,250mL, H2SO 50mL, H2SO 1,000mL, H2SO 1,000mL, H2SO	04) ML		1	Bottles Metals (P,250 Ammonia (P,50) General (P,50)	0mL, HNO3) 250mL, H2S(9 8 m°L) 1 <i>CO</i>	NL.	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G General (P,2	0mL, HCL) 10mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 150mL, NaOH 1,250mL, H2SO 50mL, H2SO 1,000mL, H2SO 1,000mL, H2SO	04)		1	Bottles Metals (P.250 Ammonia (P.50 General (P.50	OmL, HNO3) 250mL, H2S(196mL) 1 €0	1b	

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEM ENTER OF THE BOY OF T

Date Start Time App 5/15/23 Start Time App 5/15/23 Min. Purge Volume: 1000 Gal / L Depth to Water From MP: 21.17 ft Total Purge Volume: 1000 Gal / L Depth to Water Column Length: 1.27 ft Max Drawdown: ft Total Drawdown: 1/00 ft Max	WELL/SAM	IPLE POINT	G	64L	1335	Purge I	Wethod:	portub	It bout	o ushla d
Well Depth (Bottom) From MP: 39-46 ft 39-144 Min. Purge Volume: 1000 Gal / L € 1	Date:	5=++	23	Start Time:		6	Finish/S			
Water Column Length: Ø. 2.7 ft Max Drawdown: ft Well Water Volume: \$.	Well Depth	5/15/ (Bottom) Fro	2_3 om MP:	90.46		5/15/23	Min. Purge	Volume:	10d0	Gal/L GL
Well Water Volume: S	Depth to Wa	ater From M	P:	21.17	ft		Total Purge	Volume:	1000	Gal/L
Reading Time Depth Flow Rate pH Spec Cond Temp ORP DO Turb (Units) (ft.) (fm.L/min) (e.u.) (umhos/cm) (deg C) (mV) (mg/L) (NTU) 1	Water Colu	mn Length:		9.27	ft		Max Drawo	down:		ft
Reading Time Depth Flow Rate PH Spec Cond Temp ORP DO Turb (Units) (Rt.) (ImL/min) (s.u.) (umhos/cm) (deg C) (mV) (mg/L) (NTU) (mg/L) (1 Turb None Slight Mod Strong Stabilization NA NA NA ±0.2 ±3% ±0.2 ±20 ±10% or 0.2 NA	Well Water	Volume:		5.61	Gal (L)		Total Drawd	12.55		.ft
1	Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp			Turb
1 1460 22.00 66 7.02 97.0 16.17 132 3.42 2.50 2 (402 22.10 /00 7.00 96.16.30 132 3.57 2.79 3 14604 22.70 (09 6.99 96.9 76.11 133 3.87 2.59 4			(ft.)	(mL/min)	(s.u.)			(mV)	(mg/L)	
3 LLo W 22.70 709 6.99 76.01 133 3.87 2509 4 5 5 5 5 5 5 5 5 5 5	1	1400	22.00	100	7.02	970	16.17	132	3.92	
3 14 0	2	1402	22.10	100	7:00	961	16.30	132	7.87	299
Stabilization	3	Hon	22.20	/00	6.99		16.11	133	3.87	
Stabilization	4									
Well Integrity Yes No	5	-								
Well has ID sign Casing locked/secure	Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Sample Appearance: Odor: Sp None	Field Meter:		14	cción			Well Integri	ty	Yes	No
Odor: SeNone □ Slight □ Mod. □ Strong Color □ None □ Slight □ Mod. □ Strong Turb: □ None □ Slight □ Mod. □ Strong BOTTLE INFORMATION: Unfiltered □ Well has weep holes □ Well has weep holes Qty Bottles □ Otyanics (A,G,U 40mL, HCL) □ Metals (P.250mL, HNO3) □ Organics (A,G,U 1000mL) □ General (P.250mL, H2S04) □ General (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ General (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ General (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ General (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Metals (P.250mL, H2S04) □ Meta							Well has ID	sign		
Color	Sample App	earance:					Casing lock	ed/secure		
## Turb: None Slight Strong Well has weep holes ## BOTTLE INFORMATION: Unfiltered Qty Bottles VOAs (C,V, 40mL, HCL) VOAS (C,V, 40mL) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, H0O3) Cyanide (P, 250mL, H0O3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250mL, NaOH) Final DTW: 22.71 ft Comments TOMAS JCEN S/N - 216 15 688 Its Tomas JCEN	Odor: Ş	≱None ⊑	3 Slight □	l Mod. □	Strong		Well cap fits	securely.)	
## Description of the property	Color 🗆	None 5	al Slight □	l Mod. □	Strong		Good seal/d	rainage	J	
Unfiltered Qty Bottles Qty Bottles Qty Bottles Qty Bottles Metals (P.250mL, HNO3) Metals (P.250mL, H2S04) Metals (P.250mL, HNO3) Metals (P.250mL, HNO3) Cyanide (P.250mL, NaOH) Phenols (A.G.250mL, H2S04) General (P.250mL, H2S04) Metals (P.250mL,	Turb: 🗆	None 🗆	Slight 🕏	Mod 🗆	Strong	_	Well has we	ep holes	J	
Unfiltered Qty Bottles Qty Q	BOTTI E IN	FORMATIO	N:							
Oty Bottles VOAs (C,V, 40mL, HCL) Metals (P,250mL, HNO3) Ammonia (P,250mL, H2S04) General (P,500mL) Comments TORAS JCC S/N - 216 15 688 Liss Tran - 8:06 M 18** Tran - 8:06	BOTTLE III						Filte	ered		
VOAs (C,V, 40mL, HCL) VOAs (C,V, 40mL) VOAs (C,V, 40mL) Organics (A,G,U 1000mL) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) (Metals (P,250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250mL) 1000m Final DTW: 22.71 ft Comments TOMAS JCCO SIN - 216 15 688	Qty	Bottles			W)	Qty				
Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250mL) 1000m (M, 250mL) 1000m Final DTW: 22.71 # Comments T(M,S) JCC(S)N - 21615 688 Liss Tran - 3.064 (P)		VOAs (C,V, 4	40mL, HCL)			1	Metals (P,250	mL, HNO3)		
Organics (A,G,U 500mL) 3		VOAS (C,V,	40mL)			1	Ammonia (P,	250mL, H2SC	14)	
Organics (A,G,U 500mL) 3		Organics (A,	G,U 1000mL)			1	General (P,50	OmL) YOOO	mL	
TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) (COO m) (1,1 - 5 m) + (1) - 10 m) Final DTW: 22.71 tt		Organics (A,	G,U 500mL)			3				k .
Metals (P, 250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) 1000 m (M, 250 mL) 1000 m Final DTW: 22.71 ft Comments Transducer S/N - 21615688 155 Transducer 8:06 M (PM)	3	TOC (A,V 40	mL, H2SO4)						-3	
Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) 1000 m (R,2 50 mL) 1000 m Final DTW: 22.77 ft Comments Transducer S/N - 21615688 diss Trans- 0.064 ft		TOX (A,G 25	0mL, H2SO4)							
Phenols (A,G,250mL, H2SO4) General (P, 250 mL) 1000 m (1,250mL, H1) 103) Final DTW: 22.77 ft Comments T(Ans b)cer S/N - 21615688 1155 Tran - 0.064 1155 1155 1155 1155 1155 1155 1155 11		Metals (P,250	0mL, HNO3)							
General (P, 250 mL) 1000 mL (1, 1 0 mL, H) 1003) Final DTW: 22.77 ft Comments Transducer SIN - 21615688 1155 Trans- 0:064 11 m										
Final DTW: 22.77 # Comments Transducer S/N - 21615688 1155 Tran - 0.064 PM										
Final DTW: 22.77 # Comments Transducer S/N - 21615688 diss Iron - 0.084 8pm										
	- 1	41								
						Final	DTW:	22.	77 ft	
	Comments	Trans	bucer	5/N -	2161	5 688	diss	Iron"	0.061	X 8PF
							all the same of th			

WELL/S	AMPLE POINT X301 P	ump House	Purge Method:	Bailer	
Date:	5-10-23	_ Start Time: 15:32	Finish	/Sample Time: 15 H3	

Danding I	Time	Dente	Flow Rate	-11	Spec Cond	Toma	ORP	DO	Turb
Reading (Units)	Time	Depth/ (ft.)	(mL/mjn)	pH (s.u.)	(umhos/cm)	_	(mV)	(mg/L)	(NTU)
1	5.33			6.26	16.8	22,18	168	11.82	0
	1	1							
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Met	ter:	1-10	riba	
Sample A	Appearance:			
Odor:	₯'None	□ Slight	□ Mod.	□ Strong
Color	None	□ Slight	□ Mod.	□ Strong
Turb:	□ /None	□ Slight	□ Mod	□ Strong

BOTTLE INFORMATION:

	Unfiltered
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
3	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
1	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
- 1	General (P, 250 mL) 1000 ML
1	2:5 1 41003

	Filtered
Qty	Bottles
J	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P,500mL) 1,000 / 1
3	TOC 40 ML

Comments	Na	, 24 Hz, 850 CAP	
		Sampler's Signature: WWW	

Date:	5/16/2	-023	Start Time:	153	5	Finish/Sa	ample Time:	153	01
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1537		-	6.77	17,100	22-75	163	7.42	9.5
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Sample Ap Odor: [Color [pearance: ☐ None	Slight (□ Mod. □	Strong Strong	-				
Sample Ap Odor: [Color [Turb: <u>F</u>	pearance: None None None None None	Slight I	□ Mod. □		-				
Sample Ap Odor: [Color [Turb: <u>F</u>	pearance: None None None None None None	Slight (Slight (Slight (N:	□ Mod. □	Strong	_	Filts	ered		
Sample Ap Odor: [Color [Turb: E	pearance: None None None None None Unfile	Slight I	□ Mod. □	Strong	Qty	Filte	ered		
Sample Ap Odor: [Color [Turb: <u>F</u>	pearance: None S None S None Unfil	Slight II Slight II Slight II N:	□ Mod. □	Strong	Qty	Bottles			
Sample Ap Odor: [Color [Turb: E	pearance: None None None None None Unfile	Slight Slight Slight Slight Slight Slight Slight Slight Shipht Sh	□ Mod. □	Strong			mL, HNO3)	4)	
Color D	pearance: None None None None None Unfil	Slight (Slight (Slight (N: Itered	□ Mod. □ □ Mod. □ □ Mod □	Strong		Bottles Metals (P,250	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None Vonfil Bottles VOAS (C,V, 4	Slight I Sli	□ Mod. □ □ Mod. □ □ Mod □	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None None None Non	Slight I Slight I Slight I Slight I N: Itered	□ Mod. □ □ Mod. □ □ Mod □	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None None None Non	Slight (Sli	Mod. Mod. Mod. Mod. Mod	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None None None Non	Slight I Sli	Mod. Mod. Mod. Mod.	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None None None Non	Slight I Slight I Slight I Slight I N: Itered 40mL, HCL) 40mL) 3,U 1000mL) mL, H2SO4) 0mL, H2SO4 0mL, HNO3) 250mL, NaOH	□ Mod. □ □ Mod. □ □ Mod □ □ Mod □	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None None None Non	Slight I Slight I Slight I Slight I Slight I N: Itered IOML, HCL) 40mL) G,U 1000mL) ML, H2SO4) 0mL, H2SO4 0mL, HNO3) 250mL, NaOH	□ Mod. □ □ Mod. □ □ Mod □ □ Mod □ □	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None None None Non	Slight I Slight I Slight I Slight I Slight I N: Itered IOML, HCL) 40mL) G,U 1000mL) ML, H2SO4) 0mL, H2SO4 0mL, HNO3) 250mL, NaOH	□ Mod. □ □ Mod. □ □ Mod □ □ Mod □ □	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	
Sample Ap Odor: [Color [Turb: E	Pearance: None None None None None None None Non	Slight I Slight I Slight I Slight I Slight I N: Itered IOML, HCL) 40mL) G,U 1000mL) ML, H2SO4) 0mL, H2SO4 0mL, HNO3) 250mL, NaOH	□ Mod. □ □ Mod. □ □ Mod □ □ Mod □ □	Strong		Bottles Metals (P,250 Ammonia (P,	omL, HNO3) 250mL, H2S0	4)	

Sampler's Signature:

Field Personnel:	Harm	A	meento	n	Location:	Duck	crack		
Weather:	67°-78	rus	SE gm/1		Environment:	grass,	Int la	25	
Multiparameter			AT	Model:	600	Serial Number	The The	73	
Water Lev	el Meter	Make:	yeron	Model:	Dippert		37/7		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.0%	s.u.	±0.1 s.u.	P	110	MA	MSI	L344-09	12/14/202
pH 7.00a	7.01	5.U.	±0.1 s.u.	1	1	1	MSI	L343-07	12/9/2023
pH 10.00a	10.01	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	14.63	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1019515	µS/cm	±5%				Geotech	2GE1442	May-23
ORP .	2248	m٧	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.00	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	001-87	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr								216	1411424
	(Initial Calibr		erification)		Time:	0942	j , , ,		
				lo 15. 11			14		-
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	11.00	s.u.	±0.15 s.u.	1		M	Geotech	2GE870	Mar-24
pH 7.00b	6.83	s.u.	±0.15 s.u.	1			Geotech	2GC931	Mar-24
pH 10.00b	n.67	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1005.7	μS/cm	±5%	-			Ricca	4207N97	Jul-24
Approx. every 4 hr		_					1		
CCV (Continue	d Calibration	Verific	ation):		Time:	1539			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,03	s.u.	±0.1 s.u.	0	No	ANN	MSI	L344-09	12/14/202
pH 7.00a	7.00	s.u.	±0.1 s.u.	1			MSI	L343-07	12/9/2023
pH 10.00a	10.04	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	10017	μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0100	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.00	NTU	<2 NTU		L	T	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only or	e well							
CCV (Continue	d Calibration	Verific	ation):		Time:				
	Check Value			Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	CHECK VOIGE	s.u.	±0.1 s.u.	1 dasyr on	Combrace.	riajasca neading	MSI	1.344-09	12/14/202
7.00a		s.u.	±0.1 s.u.	1			MSI	L343-07	12/9/2023
		-		1			MSI	M082-04	3/25/2024
								4207N97	Jul-24
									8/26/2025
						"		N/A (DI)	N/A (DI)
		11.0	121110				11100 2020	107.7517	solution.
10.00a SC 1000 DO (Zero pt) Turbidity (DI) Comments:	n	s.u. µS/cm mg/L NTU	±0.1 s.u. ±5% ±0.1 mg/L <2 NTU		Date:	5/10/	Ricca Macron Pace Labs	420 #00	7N97 0228049

	F1 F		-				Checklis		
Field Personnel:	Brenda	n G	lennon		Location:	Duck C	reek		
Weather:	64° Mos	Hu C	Toudy 8m	uph NW	Environment:	Grass Field	d		
Multiparamete	r Water Meter	Make:	AT	Model:	COO	Serial Number: 762215			
Water Lev	vel Meter	Make:	Heron	Model:	200 Ft.	Serial Number:	19 FF 211	17 924	B
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	8.93	s.u.	±0.1 s.u.	P	N	V/A	MSI	L344-09	12/14/2023
pH 7.00a	6.96	s.u.	±0.1 s.u.	1	1		MSI	L343-07	12/9/2023
pH 10.00a	9.97	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	.16.21	μ5/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1916.5	μS/cm	±5%				Geotech	2GE1442	May-23
ORP	2346	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.10	mg/L	±0.1				Macron		8/26/2025
DO (Saturated)	98.81	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h		e well	-					1 1 1 1	1.4
ICV	(Initial Calibr	ation V	erification)		Time:	0910			
Buffer		1		Danie (Fail)			Manufact	1	
	Check Value	Units	Range	Pass/Fail	ACTIO	n Taken?	Manufacturer	Lot#	Ехр.
pH 4.00b	8,89	S.U.	±0.15 s.u.	P			Geotech	2GE870	Mar-24
pH 7.00b	6.86	S.U.	±0.15 s.u.	1	-		Geotech	2GC931	Mar-24
pH 10.00b	9.85	S.U.	±0.15 s.u.	-			Geotech	2GE820	May-24
SC 1000	993,41	μ5/cm	±5%				Ricca	4207N97	Jul-24
Approx. every 4 h				_		Iron	1		
CCV (Continue	ed Calibration	Verific	ation):		Time:	150C)			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.97	s.u.	±0.1 s.u.	P	2	NIA	MSI	L344-09	12/14/2023
pH 7.00a	6.96	S.U.	±0.1 s.u.	1	. 1		MSI	L343-07	12/9/2023
pH-10.00a	9,41	5.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1016.21	μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.10	mg/L	±0.1 mg/l.				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well							
CCV (Continue	d Calibration	Verifica	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.	1	1	\	MSI	L344-09	12/14/2023
7.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	L343-07	12/9/2023
10.00a	1	5.4.	±0.1 s.u.	1	1	1	MSI	M082-04	3/25/2024
SC 1000	1	μ5/cm	±5%	1	1	1	Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	8/25/2025
Turbidity (DI)	1	NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Comments:					1	1		L. Alexand	11.101
Signature:	Bruel	dr	De.	de	Date:	5/10,	/23		

Field Personnel:	70				Location:	Vista Dack	Creek				
Weather:		Tunny z	and ESE 9-	16-14	Environment:	wroels					
Multiparameter		Make:		Mode	U-5000	Serial Number:	VYUIFV	TF			
Water Lev	el Meter	Make:	Heran	Mode	Dipper-T	4	19FF 2201				
Buffer	Check Value	Units	Range	Pass/Fa	il Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.		
pH 4.00a	4.01	5.0.	±0.1 s.u.	p=45	1 1/	NA	MSI	L344-09	12/14/2023		
pH 7.00a	6.91	s.u.	±0.1 s.u.	1	1	1	MSI	L343-07	12/9/2023		
H 10.00a	9,98	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024		
SC Zero (DI)	9	μS/cm	0<25 μS/cm	1			Pace Labs	N/A (DI)	N/A (Di)		
SC 2000	2090	μS/cm	±5%	11			Geotech	2GE1442	May-23		
ORP	232	mV	±15 mV				InSitu	2G1762	Jun-23		
DO (Zero pt)	0,08	mg/L	±0.1	1			Macron		8/26/2025		
OO (Saturated)	98.28	%	97-100%	1	1 2	1	Pace Labs	N/A (DI)	N/A (DI)		
Furbidity (DI)	19	NTU	<2 NTU	Faul	Yes	0.0	Pace Labs	N/A (DI)	N/A (DI)		
Approx. every 4 hr				1 / 44.	1 102	u ry		1	[id/idpi]		
-	(Initial Calibr		erification)		Time:	1021					
				Tate			10.00				
Buffer	Check Value	Units	Range	Pass/Fa	-	n Taken?	Manufacturer	Lot#	Exp.		
H 4.00b	3,99	S.U.	±0.15 s.u.	14.35		NA	Geotech	2GE870	Mar-24		
H 7.00b	6,98	s.u.	±0.15 s.u.	++		1	Geotech	2GC931	Mar-24		
H 10.00b	7.92	5.U.	±0.15 s.u.	P	-	-	Geotech	2GE820	May-24		
SC 1000	798	μS/cm	±5%	Foot	£41;	mH.	Ricca	4207N97	Jul-24		
Approx. every 4 hr					1		1				
CCV (Continue	d Calibration	Verific	ation):		Time:	1550					
Buffer	Check Value	Units	Range	Pass/Fa	il Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.		
oH 4.00a	4.10	5.U.	±0.1 s.u.	Puss	No	NA	MSI	L344-09	12/14/202		
pH 7.00a	7,03	S.U.	±0.1 s.u.	1	11	1	MSI	L343-07	12/9/2023		
pH 10.00a	9,78	S.U.	±0.1 s.u.				MSI	M082-04	3/25/2024		
C 1000	1040	µS/cm	±5%				Ricca	4207N97	Jul-24		
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025		
Furbidity (DI)	8,00	NTU	<2 NTU	1	L	1	Pace Labs	N/A (DI)	N/A (DI)		
Approx. every 4 hr	s, unless only or	ne well									
CCV (Continue	d Calibration	Verific	ation):		Time:						
Buffer	Check Value	Units	Range	Pass/Fa	il Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.		
4.00a	CITCER VOIGE	s.u.	±0.1 s.u.	1 033/10	Constitue.	Prepared recounts	MSI	L344-09	12/14/2023		
7.00a		s.u.	±0.1 s.u.			1	MSI	L343-07	12/9/2023		
10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024		
C 1000		μS/cm	±5%				Ricca	4207N97	Jul-24		
OO (Zero pt)		mg/L	±0.1 mg/L				Macron	4444	8/26/2025		
		NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)		
	-	1 1110				-		1.7(7	,		
Turbidity (DI)											

Field Personnel:	1 <th>Las</th> <th>6</th> <th></th> <th>Location:</th> <th>DACK C</th> <th>rek</th> <th></th> <th></th>	Las	6		Location:	DACK C	rek		
Weather:	55° 40	810	SUNNY		Environment:	Dry			
Multiparamete	r Water Meter	Make:	Horisa	Model:	V-500B	Serlal Number:	YLAK	19H	A
Water Lev	el Meter	Make:	HELON	- Model:	Waterpe	Serial Number:	11F22	09304	ML
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
oH 4.00a	17,05	s.u.	±0.1 s.u.	2	NM	1/2	MSI	L344-09	12/14/2023
oH 7.00a	7.01	s.u.	±0.1 s.u.	1	1.		MSI	L343-07	12/9/2023
oH 10.00a	9.98	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
C Zero (DI)	10.60	µS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
C 2000	2,010	μ5/cm	±5%				Geotech	2GE1442	May-23
ORP ·	2/18	mV	±15 mV	1		1	InSitu	2G1762	Jun-23
DO (Zero pt)	0.04	mg/L	±0.1	+			Macron		8/26/2025
OO (Saturated)	99,40	%	97-100%		-		Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	1.	- 10	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	17.0		421110	1			1 860 860	N/A (DI)	[יייר (טוי)
	(Initial Calibr		erification)		Time:	10:04			
Buffer	Check Value	Units	Range	Pass/Fail		Taken?	Manufacturer	Lot#	Exp.
H 4.00b	4.00	s.u.	±0.15 s.u.	P		a	Geotech	2GE870	Mar-24
H 7.00b	0.91	5.U.	±0.15 s.u.	1	- V		Geotech	2GC931	Mar-24
oH 10.00b	9.87	S.U.	±0.15 s.u.	11			Geotech	2GE820	May-24
C 1000	1,030	μ5/cm	±5%	11	- 1		Ricca	4207N97	Jul-24
Approx. every 4 h			2276	U		2	meco	4207(437	Jul-24
**			**>			1/4 /			
CCV (Continue	d Calibration	verific	ation):		Time:	NA			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a		s.u.	±0.1 s.u.	/	/	/	MSI	L344-09	12/14/2023
H 7.00a	/	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
oH 10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%				Ricca	4207N97	Jul-24
OO (Zero pt)		mg/L	±0.1 mg/L	7			Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well			,				
CCV (Continue	ed Calibration	Verific	ation):		Time:	15:48			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.00	s.u.	±0.1 s.u.	P	N/Ch	No	MSI	L344-09	12/14/2023
7.00a	L93	s.u.	±0.1 s.u.	1	16	11	MSI	1.343-07	12/9/2023
10.00a	9.90	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
C 1000	1000	μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	8.07	mg/L	±0.1 mg/L	1			Macron		8/26/2025
Turbidity (DI)	0.53	NTU	<2 NTU	1 1	16	14	Pace Labs	N/A (DI)	N/A (DI)
Comments:	0,70	1170	121110				,	144(04)	MA(OI)
	- /	/	1			· ·	2 . 1 1		
Signature:	7/1	M	hr		Date:	5-10-	-7012		

	Mult	ipar	ameter N	/leter	Field Co	libration	Checklis	t .	
Field Personnel:	Joe	Re	ed		Location:	Duel	(Cr	eek	
Weather:					Environment:	,			
Multiparameter	r Water Meter	Make:	Horisa	Model:	V5000	Serial Number:	PWZ	SYJD	3
Water Lev	el Meter	Make:	1 1 1	Model:	101	Serial Number:	- /	LMI	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,00	s.u.	±0.1 s.u.	P	M	1	MSI	L344-09	12/14/2023
рН 7.00а	698	S.U.	±0.1 s.u.		1		MSI	L343-07	12/9/2023
pH 10.00a	9,99	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0,0	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	μS/cm	±5%			1	Geotech	2GE1442	May-23
ORP	239	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.05	mg/L	±0.4			1	Macron	#000228049	8/26/2025
DO (Saturated)	98.7	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.1	NTU	<2 NTU	4-	1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well				1		144 (24)	[14]A (UI)
	(Initial Calibr		erification)		Time:	1000	1		
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufactures	1.40	-
pH 4.00b	11	s.u.	±0.15 s.u.	Pass/rail	ACTIO	Hakenr	Manufacturer Geotech	Lot#	Exp.
pH 7.00b	699	S.U.	±0.15 s.u.	1	7		Geotech	2GE870	Mar-24
pH 10.00b	9.45	5.u.	±0.15 s.u.	-	-			2GC931	Mar-24
SC 1000	990	µS/cm	±5%	/	-		Geotech Ricca	2GE820	May-24
Approx. every 4 hr			1376	/	~		nicea	4207N97	Jul-24
CCV (Continue			ation).		T	1500	1		
		-		1000	Time:	1301			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	402	5.U.	±0.1 s.u.		10	1	MSI	L344-09	12/14/2023
pH 7.00a	7.00	s.u.	±0.1 s.u.			1	MSI	L343-07	12/9/2023
pH 10.00a	9.19	s.u.	±0.1 s.u.			1	MSI	M082-D4	3/25/2024
SC 1000	1020	μS/cm	±5%		_		Ricca	4207N97	Jul-24
DO (Zero pt)	0.05	mg/L	±0.1 mg/L		-	1	Macron	1	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU		_		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr							1		
CCV (Continue	d Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
4.00a		S.U.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a		5.U.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		5.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		μ5/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		UTN	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:						/	1		
Signature:) fra	pl	R Ro	y	Date:	J/It	9/23	3	-
	1		1 .	1			/		-

Field Personnel:	Hard	· A	mberton		Location:	DU	h cree	R	
Weather:	73"- 74	50	inny win		Environment:		1:14.		
Multiparameter		Make:	Horiba	Model:	U 5000	Serial Numb	1	EVT	-
Water Levi	el Meter	Make:	Heron	Model:	DIAPTT	Serial Numb			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Readi	Manufacturer	Lot#	Exp.
off 4.00a	400	s.u.	±0.1 s.u.	0	ND	NA	MSI	L344-09	12/14/202
H 7.00a	7.01	s.u.	±0.1 s.u.	1	,	1	MSI	L343-07	12/9/2023
H 10.00a	10,00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
C Zero (DI)	18	µS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
C 2000	2000	µ5/cm	±5%				Geotech	2GE1442	May-23
DRP	238	mV	±15 mV				InSitu	2G1762	Jun-23
OO (Zero pt)	0.09	mg/L	±0.1				Macron	#000228049	
OO (Saturated)	014.81	96	97-100%				Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0.0	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 hr		ie well					_ L34@2	-	1.9 (= 1)
	(Initial Calibr		erification)		Time:	dA45	7 - 17 6 6	7 C.	
Buffer		, ,		Doce/Fail			14mmufman.us	1	-
	Check Value	Units	Range	Pass/Fail		Taken?	Manufacturer	Lot#	Exp.
H 4.00b	4.03	S.U.	±0.15 s.u.	P	10	P	Geotech	2GE870	Mar-24
H 7.00b	6,89	s.u.	±0.15 s.u.				Geotech	2GC931	Mar-24
H 10.00b	10,04	S.U.	±0.15 s.u.	1			Geotech	2GE820	May-24
C 1000	280	μS/cm	±5%				Rîcca	4207N97	Jul-24
Approx. every 4 hr							_		
CCV (Continue	d Calibration	Verifica	ation):		Time:	1530			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Readi	ng Manufacturer	Lot#	Exp.
H 4.00a	4,05	S.U.	±0.1 s.u.	P	NA	N/A	MSI	L344-09	12/14/202
H 7.00a	7,07	s.u.	±0.1 s.u.	1//		1	MSI	L343-07	12/9/2023
H 10.00a	10.03	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
C 1000	1010	μS/cm	±5%				Ricca	4207N97	Jul-24
OO (Zero pt)	0.00	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	1	L	2	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only or	e well							
CCV (Continue	d Calibration	Verifica	ation):		Time:				
	Check Value			Pass/Fail	Calibrate?	Adjusted Read	ng Manufacturer	Int#	Fun
1.00a	CITECK VOICE	5.U.	±0.1 s.u.	7 033/1 011	campiates	Aujusteu Redui	MSI	L0t#	12/14/202
7.00a		s.u.	±0.1 s.u.	1			MSI	L344-09	12/9/2023
10.00a		S.U.	±0.1 s.u.	+ +			MSI	M082-04	3/25/2024
C 1000		μS/cm	±5%				Ricca	4207N97	Jui-24
OO (Zero pt)		mg/L	±0.1 mg/L			_	Macron	#000228049	8/26/2025
urbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments: Signature:	n				. Date:	5	12023		IN/A (UI)

Field Personnel:	50				Location:	Vistra Duck	Crek		
Weather:	70-75°F	M, SKAA	y wind SE 10	-14-14	Environment:	g 1755			
Multiparameter		Make:	Aquetroll	Model:	600	Serial Number	762215		
Water Lev	el Meter	Make:	Heren	Model:	Diffe-T	Serial Number	IFF 220	9305 ML	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	3.81	s.u.	±0.1 s.u.	Ful	Yes	4,00	MSI	L344-09	12/14/2023
pH 7.00a	6,95	s.u.	±0.1 s.u.	0455	N _E	NA	MSI	L343-07	12/9/2023
pH 10.00a	9,95	S.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	15.67	µ5/cm	0<25 μ5/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	19645	μS/cm	±5%				Geotech	2GE1442	May-23
ORP	237.7	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.07	mg/L	±0.1				Macron .		8/26/2025
DO (Saturated)	78,17	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr		e well						1.7.(7	1.41.14.7
	(Initial Calibr		erification)		Time:	0939	1		
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.63	s.u.	±0.15 s.u.	-	Action	NA	Geotech	2GE870	Mar-24
pH 7.00b	6.89	s.u.	±0.15 s.u.	A4.55		P. A.	Geotech	2GC931	Mar-24
pH 10.00b	9.92	s.u.	±0.15 s.u.	-			Geotech	2GE820	
SC 1000	992.10	µS/cm	±5%	1		-	Ricca	4207N97	May-24 Jul-24
Approx. every 4 hr		_	1376			-	Inteco	42071437	301-24
CCV (Continue			ation):		Time:	15111	1		
				I		1541			
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4,08	s.u.	±0.1 s.u.	pres	N,	NA	MSI	L344-09	12/14/202
pH 7.00a	7.10	s.u.	±0.1 s.u.	-			MSI	L343-07	12/9/2023
pH 10.00a	10.02	s.u.	±0.1 s.u.	++-			MSI	M082-04	3/25/2024
sc 1000	971.18	μS/cm	±5%	+			Ricca	4207N97	Jul-24
DO (Zero pt)	0.07	mg/L	±0.1 mg/L	1			Macron		8/26/2025
Turbidity (DI)	0,00	NTU	<2 NTU	1	-	مله	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr			1				1		
CCV (Continue	d Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a		S.U.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		5.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000		μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:									
Signature:	June	4	7 1		Date:	5/11/23			

	Mult	ipar	ameter N	/leter	Field Ca	libration	Checklist		
Field Personnel:	Kyle 1	0 10	2		Location:	Duck c	ruk		
Weather:	: b9°	5V^	MY		Environment:	Ory			
Multiparamete	r Water Meter	Make:	Horaba	Model:	U-5008	Serial Number:	1 11 2		
Water Lev	el Meter	Make:	HERON	Model:	water tape	Serial Number:	3717	-1	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,00	s.u.	±0.1 s.u.	P	NO		MSI	L344-09	12/14/2023
pH 7.00a	6.94	5.U.	±0.1 s.u.	1		1	MSI	L343-07	12/9/2023
pH 10.00a	3.48	S.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	10,00	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2020	μ5/cm	±5%				Geotech	2GE1442	May-23
ORP	2.30	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	(7.08	mg/L	±0.1				Macron .	#000228049	8/26/2025
DO (Saturated)	97.10	%	97-100%			1	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	120	NTU	<2 NTU	10	. 17	1-	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on			-		0		1.474,04	I TO TO TO
	(Initial Calibra	_	erification		Time:	09:4T			
				la de il		1/1	*****		
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.98	5.U.	±0.15 s.u.	17		ya.	Geotech	2GE870	Mar-24
pH 7.00b	7.05	S.U.	±0.15 s.u.			-	Geotech	2GC931	Mar-24
pH 10.00b	9,89	5.U.	±0.15 s.u.	1		L	Geotech	2GE820	May-24
SC 100D	1,010	μS/cm	±5%	ر طي ا		7	Ricca	4207N97	Jul-24
Approx. every 4 h		_				11			
CCV (Continue	d Calibration	Verific	ation):		Time:	Na	-		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	/	5.U.	±0.1 s.u.	1	/	/	MSŧ	L344-09	12/14/2023
pH 7.00a	. /	s.u.	±0.1 s.u.	1			MSI	L343-07	12/9/2023
pH 10.00a	//	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	' /	μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero.pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well		, ,					
CCV (Continue	d Calibration	Verific	ation):		Time:	16.04			
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading		Lot#	Ехр.
4.00a	4.05	S.U.	±0.1 s.u.	1	NA	Na	MSI	L344-09	12/14/2023
7.00a	7.04	s.u.	±0.1 s.u.			1	MSI	L343-07	12/9/2023
10.00a	10.88	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1040	μS/cm	±5%	1			Ricca	4207N97	Jul-24
DO (Zero pt)	0.00	mg/L	±0.1 mg/L	10			Macron	#000228049	8/26/2025
Turbidity (DI)	1.50	NTU	<2 NTU		(6)	16	Pace Labs	N/A (DI)	N/A (DI)
Comments:	10								
Signature:	Holy	ull	_		Date:	5-11-	23		-

	Mult	ipar	ameter N	/leter	Field Co	libration	Checklis	j).	
Field Personnel:	Joe	Re	ed		Location:	Duck	Cre	cek	
Weather:	69-8	90	wind	9-10-	Environment:	Graval	Roga		
Multiparameter	Water Meter	Make:	Horiba	Model:	U-5000	Serial Number:	Y291	6J91	IA
Water Lev	el Meter	Make:	Solinst	Model:	101	Serial Number:	P7/1	M2	,
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	s.u.	±0.1 s.u.	P	N	1	MSI	1344-09	12/14/2023
pH 7.00a	7.00	5.U.	±0.1 s.u.	11			MSI	L343-07	12/9/2023
pH 10.00a	9.99	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0.0	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	μS/cm	±5%				Geotech	2GE1442	May-23
ORP	240	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.05	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.1	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only or	e well							
ICV	(Initial Calibr	ation V	erification)		Time:	955			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.99	s.u.	±0.15 s.u.	D	N		Geotech	2GE870	Mar-24
pH 7.006	7.00	s.u.	±0.15 s.u.	1	-		Geotech	2GC931	Mar-24
pH 10.00b	996	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1000	µ5/cm	±5%	1			Ricca	4207N97	Jul-24
Approx. every 4 hr	s, unless only on	e well						-	
CCV (Continue	d Calibration	Verific	ation):		Time:	1/215	1		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.02	S.U.	±0.1 s.u.	P	A/	Adjusted neduling	MS1	L344-09	12/14/2023
pH 7.00a	7.01	s.u.	±0.1 s.u.	4	1	1	MSI	L343-07	12/9/2023
pH 10.00a	10.00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	990	µ\$/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.05	mg/L	±0.1 mg/L			1	Macron	#000228049	
Turbidity (DI)	0.0	NTU	<2 NTU			1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well						1-7-1-1	1.07.17=17
CCV (Continue			ation):		Time:		1		
	Check Value			Does /Fail		Adjusted Reading	Manufacturer	1.00	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	MSI	Lot#	Exp.
4.00a 7.00a		5.0.	±0.1 s.u. ±0.1 s.u.				MSI	L344-09 L343-07	12/14/2023
10.00a		5.11.	±0.1 s.u.	-			MSI	M082-04	12/9/2023
SC 1000	-	s.u. μS/cm	±5%				Ricca	4207N97	3/25/2024 Jul-24
DO (Zero pt)		mg/L	±0.1 mg/1				Macron	#000228049	8/26/2025
Turbidity (DI)	-	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:		1110	12.11.0		_		i oce caos	INTA (DI)	INACOIL
						1	1		
	\cap	1 /	1 /1 /			11	1		
Signature:	(M.)	oh K	No I		Date:	1 < /11	/23		
S.Buorn C.	A GO	1	Nau		22.0	1111	12)		-
	11					1 1			1
	/					-		-	

	Mult	ipar	ameter I	Neter	Field Co	dibration	Checklis		
Field Personnel:	(.	Jos	Ree	d	Location:	Duct	cree	t	
Weather:	63-81°F	-	ordy wi	nd 7-10	Environment:	wet/	gravel	road /	rass
Mültiparametei	Water Meter	Make:	Har: ba	Model:	V5000	Serial Number:	PW20	SKJD	3
Water Lev	el Meter	Make:	Solinst	Model:	101	Serial Number:	252	879	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.98	s.u.	±0.1 s.u.	0	M	1	MSI	L344-09	12/14/2023
pH 7.00a	4.99	s.u.	±0.1 s.u.		110		MSI	L343-07	12/9/2023
pH 10.00a	10.00	5.U.	±0.1 s.u.			1	MSI	M082-04	3/25/2024
SC Zero (DI)	4	μS/cm	0<25 μ5/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1990	μS/cm	±5%				Geotech	2GE1442	May-23
ORP	338	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.05	mg/L	±0.1				Macron .	#000228049	8/26/2025
DO (Saturated)	99.5	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	00	NTU	<2 NTU	2	ODI		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well				-			1.4
	(Initial Calibr		erification)		Time:	912			
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Free
pH 4.00b	399	s.u.	±0.15 s.u.	0	ACIO	() dicert	Geotech	2GE870	Exp.
pH 7.00b	698	S.U.	±0.15 s.u.	1	/		Geotech	2GC931	Mar-24
pH 10.00b	948	S.U.	±0.15 s.u.				Geotech	2GE820	Mar-24
SC 1000	dak	µS/cm	±5%		-	_	Ricca	4207N97	May-24 Jul-24
Approx. every 4 hr	1 1 4		1370	4			med	42071437	JUI-24
CCV (Continue			ation):		Time:	1320	1		
				In /n. 11					
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4 00	S.U.	±0.1 s.u.	-	4V	1	MSI	L344-09	12/14/2023
pH 7.0Da	199	s.u.	±0.1 s.u.			1	MSI	L343-07	12/9/2023
pH 10.00a	1001	5.4.	±0.1 s.u.			1	MSI	M082-04	3/25/2024
SC 1000	1010	μS/cm	±5%	-		_	Ricca	4207N97	Jul-24
DO (Zero pt)	0,05	mg/L	±0.1 mg/L	1	-	1	Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr			ntionly		Turk		1		
CCV (Continue				In	Time:	A.11			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading			Ехр.
4.00a		s.u.	±0.1 s.u.	-			MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.	-			MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.	-			MSI	M082-04	3/25/2024
SC 1000		μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L	-			Macron	#000228049	8/26/2025
Turbidity (Di)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:									
Signature:	gray		R Rad		Date:	5/12	23		-
	0								

Field Personnel:	KY10	Lar	16		Location:	DUCK (reck		
Weather:	63º +0	8	10 rain	h	Environment:	net			
Multiparamete	Water Meter	Make:	HOUBE	Model:	v-500	Serial Number:	4L9K	JAHO	
Water Lev	el Meter	Make:	HURAN	Model:	Water	Serial Number:	3717	7	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.05	s.u.	±0.1 s.u.	P	Nen	NT	MSI	L344-09	12/14/202
pH 7.00a	7.00	5.U.	±0.1 s.u.	P	NO	MA	MSI	L343-07	12/9/2023
pH 10.00a	983	S.U.	±0.1 s.u.	F	415	9.93	MSI	M082-04	3/25/2024
SC Zero (DI)	21.00	μS/cm	0<25 µ5/cm	7	Na	Non	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1994	µS/cm	±5%	1		1	Geotech	2GE1442	May-23
ORP .	7.16	mV	±15 mV	1			InSitu	2G1762	Jun-23
DO (Zero pt)	0.01	mg/L	±0.2				Macron	#000228049	8/26/2025
DO (Saturated)	98.55	%	97-100%			10	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (Di)	0	NTU	<2 NTU	1 6	11	V	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	s, unless only on			-				1.4()	14,511(2.1)
	(Initial Calibr		erification)		Time:	00.70			
Buffer	Check Value	Units		Pass/Fail		n Taken?	Manufacturer	Lott	True
	U 00	-	±0.15 s.u.	rass/rail	Actio	A.	Geotech	Lot#	Exp.
pH 4.00b		S.U.		-			Geotech	2GE870	Mar-24
pH 7.00b	b.98	S.U.	±0.15 s.u.	6		7)		2GC931	Mar-24
pH 10.00b	9. 92	S.U.	±0.15 s.u.	-	426	1999	Geotech Ricca	2GE820	May-24
SC 1000	LLX0	μS/cm	1376	F	7-5	195	nicca	4207N97	Jul-24
Approx. every 4 h			-411		_	1/0			
CCV (Continue	d Calibration	verific	ation):		Time:	Na			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a		5.U.	±0.1 s.u.				MSI	L344-09	12/14/2023
pH 7.00a		5.0.	±0.1 s.u.				MSI	L343-07	12/9/2023
pH 10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC.J000		μS/cm	±5%	/			Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L	/			Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU	1	/		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unle≤s only oπ	e well							
CCV (Continue	d Calibration	Verific	ation):	3	Time:	13:15			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Beading	Manufacturer	Lot#	Ехр.
4.00a	21.06	S.U.	±0.1 s.u.	P	Na	1/0	MSI	L344-09	12/14/2023
7.00a	7.00	s.u.	±0.1 s.u.		1	, , ,	MSI	L343-07	12/9/2023
10.00a	10.01	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
	1026	μS/cm	±5%				Ricca	4207N97	Jui-24
SC 1000	0.04	mg/L	±0.1 mg/L				Macron		8/26/2025
	C+ 1	UTN	<2 NTU	0	19	16	Pace Labs	N/A (DI)	N/A (DI)
SC 1000 DO (Zero pt) Turbidity (DI)	//							Para lesi	- de de de
DO (Zero pt) Turbidity (DI)	()			-					
	0								
DO (Zero pt) Turbidity (DI)									
DO (Zero pt) Turbidity (DI)	71.1	00 0	M		Date:	5-12-	2.3	-	

Field Personnel:	Acron		leerson			Location:	D	ich (reek		
Weather:	600-77	LSE C	cloudy, 12%	_		Environment:	offe	uss,	mud		
Multiparameter	Water Meter	Make:	Horaba	Mode	el:	U 5000	Seria	al Number:	0401	FTVF	
Water Lev	el Meter	Make:	Heron	Mode	el:	D'APATT	Seria	al Number:	19 FF 2	2((19)	-HB
Buffer	Check Value	Units	Range	Pass/F	ail	Calibrate?		d Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	5.U.	±0.1 s.u.	P	\Box	NO	1	1/14	MSI	L344-09	12/14/2023
pH 7.00a	7.01	s.u.	±0.1 s.u.	9					MSI	L343-07	12/9/2023
oH 10.00a	10/05	s.u.	±0.1 s.u.						MSI	M082-04	3/25/2024
SC Zero (DI)	18	µS/cm	0<25 µS/cm						Pace Labs	N/A (DI)	N/A (Di)
SC 2000	2080	μS/cm	±5%						Geotech	2GE1442	May-23
ORP	232	m۷	±15 mV						InSitu	2G1762	Jun-23
DO (Zero pt)	0.09	mg/L	±0.1						Macron	#000228049	8/26/2025
DO (Saturated)	99,89	%	97-100%					1	Pace Labs	N/A (DI)	N/A (DI)
Furbidity (DI)	0.0	NTU	<2 NTU	1		1		-	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr		e well			-				234 6	21°C	
	(Initial Calibr		erification)		T	Time:	001	35			
Buffer	Check Value	Units	Range	Pass/F	ait		Taken?		Manufacturer	Lot#	Exp.
oH 4.00b	4.03	s.u.	±0.15 s.u.	0	CII	N			Geotech	2GE870	Mar-24
oH 7.00b	6.91	s.u.	±0.15 s.u.	1	+	101			Geotech	2GC931	Mar-24
pH 10.00b	10.03	5.u.	±0.15 s.u.	++	+				Geotech	2GE820	May-24
SC 1000	10 10	uS/cm	±5%	++	+	-			Ricca	4207N97	Jul-24
Approx. every 4 hr			1070	-						12077107	300 24
CCV (Continue			ation).		T	Time:	1300		1		
				1 .	+						
Buffer	Check Value	Units	Range	Pass/F	ail	Calibrate?	Adjuste	d Reading	Manufacturer	Lot#	Exp.
oH 4.00a	Nr03	S.U.	±0.1 s.u.	1	4	No	P	A	MSI	L344-09	12/14/2023
oH 7.00a	7.00	s.u.	±0.1 s.u.	1	-	1			MSI	L343-07	12/9/2023
oH 10.00a	10.06	S.U.	±0.1 s.u.	1	-	1			MSI	M082-04	3/25/2024
SC 1000	275	μS/cm	±5%	++	4				Ricca	4207N97	Jul-24
DO (Zero pt)	0.00	mg/L	±0.1 mg/L	1	4	}		1	Macron	#000228049	8/26/2025
Furbidity (DI)	0.9	NTU	<2 NTU			-			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr				_	_				1		
CCV (Continue	d Calibration	Verific	ation):			Time:					
Buffer	Check Value	Units	Range	Pass/F	ail	Calibrate?	Adjuste	d Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.						MSI	L344-09	12/14/202
7.00a		s.u.	±0.1 s.u.						MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.						MSI	M082-04	3/25/2024
SC 1000		μS/cm	±5%						Ricca	4207N97	Jul-24
OO (Zero pt)		mg/L	±0.1 mg/L						Macron	#000228049	8/26/2025
Furbidity (DI)		NTU	<2 NTU						Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI) Comments: Signature:	n	NTU				Date:	5	(12		N/A (DI)	-

Field Personnel:	20				Location:	Vistra Duck	Creek			
Weather:	71-79°F	cloudy	wind SE	onth	Environment:	DA35				
Multiparamete		Make:		Model:	600	Serial Number:	762215	5		
Water Lev	el Meter	Make:	Heron	Model:	Dipper-T	Serial Number:	11FF2209305ML			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.	
pH 4.00a	4.01	5.U.	±0.1 s.u.	1240	No	NA	MSI	L344-09	12/14/2023	
pH 7.00a	7.06	5.U.	±0.1 s.u.	1	1	1	MSI	L343-07	12/9/2023	
pH 10.00a	10,04	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024	
SC Zero (DI)	4,80	µS/cm	0<25 µS/cm				Pace Labs	N/A (DI) -	N/A (DI)	
SC 2000	1987.4	µS/cm	±5%				Geotech	2GE1442	May-23	
ORP	235,0	mV	±15 mV				InSitu	2G1762	Jun-23	
DO (Zero pt)	0,05	mg/L	±0.1				Macron		8/26/2025	
DO (Saturated)	99,54	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)	
Turbidity (DI)	0.00	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)	
Approx. every 4 hi	s, unless only or	ne well								
ICV	(Initial Calibr	ation V	erification)		Time:	0905				
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Fun	
pH 4.00b	7.04	S.U.	±0.15 s.u.		_	NA	Geotech	2GE870	Exp. Mar-24	
pH 7.00b	6.94	S.U.	±0.15 s.u.	8455		I I	Geotech	2GC931	Mar-24	
pH 10,00b	9.96	s.u.	±0.15 s.u.	11			Geotech	2GE820	May-24	
SC 1000	973.16	µ5/cm	±5%	11			Ricca	4207N97	Jul-24	
Approx. every 4 h								12071037	301 27	
CCV (Continue			ationly	-	Time:	1302	1			
				la de de						
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.	
pH 4.0Da	4,06	s.u.	±0.1 s.u.	PASS	N ₀	N/A	MSI	L344-09	12/14/2023	
	7.10	S.u.	±0.1 s.u.	++-	-		MSI	L343-07	12/9/2023	
pH 7.00a		S.U.	±0.1 s.u.		1		Ricca	M082-04 4207N97	3/25/2024 Jul-24	
pH 10.00a		uc/om							8/26/2025	
pH 10,00a 5C 1000	921.07	μS/cm	±5%					1#4004240043		
pH 10.00a SC 1000 DO (Zero pt)	991.07	mg/L	±0.1 mg/L		1		Macron Page Labs		MIZA ZDO	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI)	991.07	mg/L NTU			-1		Pace Labs	N/A (DI)	N/A (DI)	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi	991.07 •-68 0.34 s, unless only or	mg/L NTU ne well	±0.1 mg/L <2 NTU	1					N/A (DI)	
pH 10.00a sc 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific	±0.1 mg/L <2 NTU ation):		Time:		Pace Labs	N/A (DI)		
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer	991.07 •-68 0.34 s, unless only or	mg/L NTU ne well Verific Units	±0.1 mg/L <2 NTU ation):	Pass/Fail		Adjusted Reading	Pace Labs Manufacturer	N/A (DI)	Exp.	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer 4.00a	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific Units s.u.	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u.			Adjusted Reading	Pace Labs Manufacturer MSI	N/A (DI) Lot# L344-09	Exp. 12/14/2023	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer 4.00a 7.00a	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific Units s.u. s.u.	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u.			Adjusted Reading	Manufacturer MSI MSI	Lot# L344-09 L343-07	Exp. 12/14/2023 12/9/2023	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer 4.00a 7.00a 10.00a	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific Units s.u. s.u. s.u.	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u.			Adjusted Reading	Manufacturer MSI MSI MSI	Lot# L344-09 L343-07 M082-04	Exp. 12/14/2023 12/9/2023 3/25/2024	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific Units s.u. s.u. µS/cm	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%			Adjusted Reading	Manufacturer MSI MSI MSI Ricca	Lot# L344-09 L343-07 M082-04 4207N97	Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000 DO (Zero pt)	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific Units s.u. s.u. μS/cm mg/L	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L			Adjusted Reading	Manufacturer MSI MSI MSI Ricca Macron	Lot# L344-09 L343-07 M082-04 4207N97 #000228049	Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000 DO (Zero pt) Turbidity (DI)	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific Units s.u. s.u. µS/cm	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%			Adjusted Reading	Manufacturer MSI MSI MSI Ricca	Lot# L344-09 L343-07 M082-04 4207N97	Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24	
pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000	991.07 •-68 0.34 s, unless only or d Calibration	mg/L NTU ne well Verific Units s.u. s.u. μS/cm mg/L	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L			Adjusted Reading	Manufacturer MSI MSI MSI Ricca Macron	Lot# L344-09 L343-07 M082-04 4207N97 #000228049	Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025	

	Acros	2 /	emberor			Locatio	n:	D.	kh l	neh		
Weather:	620- 71 Win	I NE	SUDY SUDY			Environme	nt:	90	55, 6	grand,	7:16 W	10055
Multiparamete	r Water Meter	Make:	Horiba	Mo	odei:	U 5000		Serial	Number:	gaul,	EVIF	
Water Lev	el Meter	Make:	Hean	Mo	odel:	Dipper T			Number:	_		
Buffer	Check Value	Units	Range	Pass	/Fai!	Calibrate?	T	Adjusted	Reading	Manufacturer	Lot#	Exp.
Н 4.00а	4.05	S.u.	±0.1 s.u.	0	-	NO		NI	_	MSI	L344-09	12/14/2023
H 7.00a	7.00	s.u.	±0.1 s.u.	1				1	-	MSI	L343-07	12/9/2023
H 10.00a	10.05	s.u.	±0.1 s.u.				\exists			MSI	M082-04	3/25/2024
C Zero (DI)	100	μS/cm	0<25 µS/cm				\neg			Pace Labs	N/A (DI)	N/A (DI)
C 2000	2020	μS/cm	±5%							Geotech	2GE1442	May-23
DRP	240	mV	±15 mV					1		InSitu	2G1762	Jun-23
OO (Zero pt)	0.00	mg/L	±0.1							Macron	#000228049	8/26/2025
OO (Saturated)	98.62	%	97-100%							Pace Labs	N/A (DI)	N/A (DI)
Furbidity (DI)	0.0	NTU	<2 NTU		V	1				Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unless only or	ne well								240 (A	1700	
ICV	(Initial Calibr	ation V	erification)			Tim	ie:	0936	7	Care		
Buffer	Check Value	Units	Range	Dage	/Fail			Taken?		Manufacturer	Lot#	Exp.
H 4.00b	3199	S.u.	±0.15 s.u.	1 033	71 811		J			Geotech	2GE870	Mar-24
H 7.00b	4.91	s.u.	±0.15 s.u.	1			~/	11		Geotech	2GC931	Mar-24
H 10.00b	0,00	s.u.	±0.15 s.u.	+			-			Geotech	2GE820	May-24
C 1000	lode	μS/cm	±5%	1	- 1					Ricca	4207N97	Jul-24
Approx. every 4 hi					_		_					
CCV (Continue			ation).	_		Time:	1	163	•	1		
-		1		T _n	/c ::						1	-
Buffer	Check Value	Units	Range	+ -	/Fail	Calibrate?	-		Reading	Manufacturer	Lot#	Exp.
H 4.00a	4.02	s.u.	±0.1 s.u.	18	-	16	-	/٧	117	MSI	L344-09	12/14/202
	7.05	s.u.	±0.1 s.u.	+ 1	-		-			MSI	L343-07	12/9/2023
H 7.00a		s.u.	±0.1 s.u.	1	\rightarrow	-+-	-			MSI	M082-04	3/25/2024
oH 7.00a oH 10.00a	10.08		+F0/								4207N97	Jul-24
bH 7.00a bH 10.00a 6C 1000	1010	μS/cm	±5%	++	_		- 1			E.Access	14000000000	
oH 7.00a oH 10.00a oC 1000 oO (Zero pt)	0.09	μS/cm mg/L	±0.1 mg/L	1			4	-		Macron		8/26/2025
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) furbidity (DI)	0.09	μS/cm mg/L NTU		1		1			_	Pace Labs	#000228049 N/A (DI)	8/26/2025 N/A (DI)
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) furbidity (DI) Approx. every 4 hi	O.co O.co ors, unless only or	μS/cm mg/L NTU	±0.1 mg/L <2 NTU	1			1		_			
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) Furbidity (DI) Approx. every 4 hr	O · c on O · c on O · c rs, unless only or ed Calibration	μS/cm mg/L NTU ne well Verific	±0.1 mg/L <2 NTU ation):	1	_]	Tim	ie:		_	Pace Labs	N/A (DI)	N/A (DI)
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) furbidity (DI) Approx. every 4 hi CCV (Continue	O.co O.co ors, unless only or	μS/cm mg/L NTU ne well Verific	±0.1 mg/L <2 NTU ation):	Pass	i/Fail	Tim Calibrate?	ie:	Adjusted	Reading	Pace Labs Manufacturer	N/A (DI)	N/A (DI)
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) furbidity (DI) Approx. every 4 hi CCV (Continue Buffer	O · c on O · c on O · c rs, unless only or ed Calibration	μS/cm mg/L NTU ne well Verifica Units s.u.	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u.	Pass	- i/Fail		ne:	Adjusted	Reading	Pace Labs Manufacturer MSI	N/A (DI) Lot# L344-09	N/A (DI) Exp. 12/14/202
oH 7.00a oH 10.00a oH 10.00a oC 1000 OO (Zero pt) furbidity (DI) Approx. every 4 hi CCV (Continue Buffer 1.00a	O · c on O · c on O · c rs, unless only or ed Calibration	μS/cm mg/L NTU ne well Verifica Units s.u. s.u.	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u.	Pass	5/Fail		ie:	Adjusted	Reading	Pace Labs Manufacturer MSI MSI	Lot# L344-09 L343-07	Exp. 12/14/202 12/9/2023
oH 7.00a oH 7.00a oH 10.00a oC 1000 OO (Zero pt) furbidity (DI) Approx. every 4 hi CCV (Continue Buffer 1.00a 10.00a	O · c on O · c on O · c rs, unless only or ed Calibration	μS/cm mg/L NTU ne well Verifica Units s.u. s.u.	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pass	s/Fail		ie:	Adjusted	Reading	Manufacturer MSI MSI MSI	Lot# L344-09 L343-07 M082-04	Exp. 12/14/202 12/9/2023 3/25/2024
oH 7.00a oH 7.00a oH 10.00a oC 1000 oO (Zero pt) furbidity (DI) Approx. every 4 hi CCV (Continue Buffer 1.00a 1.00a 1.000a	O · c on O · c on O · c rs, unless only or ed Calibration	μS/cm mg/L NTU ne well Verifica s.u. s.u. s.u. μS/cm	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pass	i/Fail		ne:	Adjusted	Reading	Manufacturer MSI MSI MSI Ricca	Lot# L344-09 L343-07 M082-04 4207N97	Exp. 12/14/202: 12/9/2023 3/25/2024 Iul-24
oH 7.00a oH 7.00a oH 10.00a oC 1000 OO (Zero pt) furbidity (DI) Approx. every 4 hi CCV (Continue Buffer 1.00a 10.00a	O · c on O · c on O · c rs, unless only or ed Calibration	μS/cm mg/L NTU ne well Verifica Units s.u. s.u.	±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pass	s/Fail		ne:	Adjusted	Reading	Manufacturer MSI MSI MSI	Lot# L344-09 L343-07 M082-04 4207N97	Exp. 12/14/202 12/9/2023 3/25/2024

		Mult	ipar	ameter N	1eter	Field Co	libration	Checklis	t	
	Field Personnel:	Ja	Re	ed		Location:	Duck	Creek	Powe	<u></u>
	Weather:	cloudy	62-7	1ºF Wind	6 mot	Environment:	91055	Y		
	Multiparamete	r Water Meter	Make: Horiba Model:		U 5900	Serial Number:	erial Number: PW2GKI		D3	
	Water Lev	el Meter	Make:	Solinst	Model:	101	Serial Number:		287	
	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
	pH 4.00a	3.98	s.u.	±0.1 s.u.	1	N	1	MS?	L344-09	12/14/2023
	pH 7.00a	6.99	ş.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
	pH 10.00a	9.98	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
	SC Zero (DI)	2	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
	SC 2000	1990	µS/cm	±5%				Geotech	2GE1442	May-23
16.8°C	ORP	240	mV	±15 mV				InSitu	2G1762	Jun-23
(8.0	DO (Zero pt)	0.04	mg/L	±0.1			1	Macron	#000228049	
	DO (Saturated)	98.4	%	97-100%			1	Pace Labs	N/A (DI)	N/A (DI)
	Turbidity (D))	0.0	NTU	<2 NTU			1	Pace Labs	N/A (DI)	N/A (DI)
	Approx. every 4 h	rs, unless only on			-		1	\	1.7.1 (2.1)	I I I I I I I I I I I I I I I I I I I
		(Initial Calibr		erification)		Time:	929			
	Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	- Fue
	pH 4.00b	399	S.U.	±0.15 s.u.	Lasstran	ACCIO	II Takeiii	Geotech	2GE870	Exp. Mar-24
	pH 7.00b	7.00	5.u.	±0.15 s.u.				Geotech	2GC931	
	pH 10.00b	2 4		±0.15 s.u.						Mar-24
	SC 1000	9,98	s.u. μ5/cm	±5%			1	Geotech Ricca	2GE820	May-24
	Approx. every 4 h			23%			10	Picca	4207N97	Jul-24
				ntion).		44	1/11/17	1		
	CCV (Continue	-				Time:	14 1615			
	Buffer	Check Value	Units		Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
	pH 4.00a	4,01	s.u.	±0.1 s.u.	Y	IV.		MS!	L344-09	12/14/2023
	pH 7.00a	7.00	s.u.	±0.1 s.u.	1			MSI	L343-07	12/9/2023
	pH 10.00a	10.02	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
	SC 1000	1020	μS/cm	±5%				Ricca	4207N97	Jul-24
	DO (Zero pt)	0.05	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
	Turbidity (DI)	0.0	NTU	<2 NTU	1		-	Pace Labs	N/A (DI)	N/A (DI)
	Approx. every 4 h	rs, unless only on	e well							
	CCV (Continue	ed Calibration	Verific	ation):		Time:				
	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
	4.00a		s.u.	±0.1 s.v.			,	MSI	L344-09	12/14/2023
	7.00a		s.u.	±0.1 s.u.	-		-	MSI	L343-07	12/9/2023
	10.00a		s.u.	±0.1 s.u.	***			MSI	M082-04	3/25/2024
	SC 1000		μS/cm	±5%				Ricca	4207N97	Jul-24
	DO (Zero pt)		mg/L	±0.1 mg/L				Macron		8/26/2025
	Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
	Comments:								1416(20)	INTO (DI)
		-						-1		
	Signature:	Mars	RI	Rul		Date:	5/15	6/23"		-
		//	(1							

Field Personnel:	70				Location:	Vistre Duck C	resk		
Weather:	61-68°F	ricland	y wind ENE	10 mph	Environment:	Jas			
Multiparameter			Agretall	Model:	600	Serial Number:	762215		
Water Lev	el Meter	Make:	Heran	Model:	Dippe-T	Serial Number:	IIFF220	305ML	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,02	s.u.	±0.1 s.u.	Piss	No	. NA	MSI	L344-09	12/14/202
oH 7.00a	7.05	s.u.	±0.1 s.u.	1		1	MSI	L343-07	12/9/2023
oH 10.00a	10.06	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
C Zero (DI)	10.31	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1751.4	μS/cm	±5%				Geotech	2GE1442	May-23
DRP	237.5	m∨	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.08	mg/L	±0.1				Macron .	#000228049	8/26/2025
OO (Saturated)	99.28	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Furbidity (DI)	0.00	NŢU	<2 NTU	1	2-	4	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	rs, unless only or	e well							
ICV	(Initial Calibr	ation V	erification)		Time:	0933			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
H 4.00b	4.07	s.u.	±0.15 s.u.	#155	NA		Geotech	2GE870	Mar-24
oH 7.00b	6.93	s.u.	±0.15 s.u.	11	3		Geotech	2GC931	Mar-24
pH 10.00b	9,99	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	10328	μS/cm	±5%	1	L		Ricca	4207N97	Jul-24
Approx. every 4 hr	s, unless only or	e well							
CCV (Continue	d Calibration	Verific	ation):		Time:	1610			
Buffer	Check Value	linits	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,10	5.U.	±0.1 s.u.		Ne	NA	MSI	1.344-09	12/14/202
pH 7.00a	7.05	S.U.	±0.1 s.u.	Deal	17.2	1	MSI	L343-07	12/9/2023
oH 10.00a	10:09	s.v.	±0.1 s.u.	1			MSI	M082-04	3/25/2024
C 1000	990.18	μS/cm	±5%	1			Ricca	4207N97	Jul-24
DO (Zero pt)	0.97	mg/L	±0.1 mg/L				Macron		8/26/2025
Turbidity (DI)	00,00	NTU	<2 NTU			1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr		e wel!				-		1.7(2.1)	,(=.,
CCV (Continue			ation):		Time:		1		
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	From
4.00a	CHECK VAIDE	S.U.	±0.1 s.u.	r ass/rall	CONDINCES	Aujusted Reading	MSI	Lot# L344-09	Exp. 12/14/202
7.00a		5.U.	±0.1 s.u.	+			MSI	L343-07	12/9/2023
10.00a		s.u.	±0.1 s.u.			-	MSI	M082-04	3/25/2024
C 1000	-	μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
		NTU							
Turbidity (DI) Comments: Signature:	form.		<2 NTU		Date:	5/15/23	Pace Labs	N/A (DI)	N/A (DI)

Field Personnel	KYK L	-ane	ı		Location:	DUCK	crek		
Weather	570+0	70	o c.bu	ł by	Environment:				
Multiparamete	er Water Meter	Make:	HosiBa	Model:	V-5000	Serial Number:	YL9K	JAH	A
Water Le	vel Meter	Make:	HERON	Model:	Nater	Serial Number:	19552	202131	ML
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.17	s.u.	±0.1 s.u.	12	425	4.00	MSI	£344-09	12/14/202
pH 7.00a	7.10	s.u.	±0.1 s.u.	1	nes	2,00	MSI	L343-07	12/9/2023
рн 10.00а	10.08	s.u.	±0.1 s.u.	P	NON	110	MSI	M082-04	3/25/2024
SC Zero (DI)	20,18	µS/cm	0<25 μS/cm		1		Pace Labs	N/A (Di)	N/A (DI)
SC 2000	1,976	μS/cm	±5%				Geotech	2GE1442	May-23
ORP	2-15	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.0	mg/L	±0.1				Macron.	#000228049	8/26/2025
DO (Saturated)	9 7.20	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	10	9	6	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well							
IC\	(Initial Calibration)	ation V	erification)		Time:	09.36			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	7,99	s.u.	±0.15 s.u.	P	1	14	Geotech	2GE870	Mar-24
pH 7.00b	698	s.u.	±0.15 s.u.	1			Geotech	2GC931	Mar-24
pH 10.00b	10.09	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1.030	μS/cm	±5%	V		0	Ricca	4207N97	Jul-24
Approx. every 4 h	ors, unless only on	e well							
CCV (Continue	ed Calibration	Verific	ation):		Time:	NA			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	Check Falde	s.u.	±0.1 s.u.	/	Complete	Adjusted Reading	MSI	L344-09	12/14/202
pH 7.00a	/	s.u.	±0.1 s.u.	1 /	-	/	MSI	L343-07	12/9/2023
pH 10.00a		s.u.	±0.1 s.u.	/			MSI	M082-04	3/25/2024
SC 1000	/	µS/cm	±5%	1	/		Ricca	4207N97	Jul-24
DO (Zero pt)	/	mg/L	±0.1 mg/L	1	/	/	Macron		8/26/2025
Turbidity (DI)	/	NTU	<2 NTU	1/	1		Pace Labs	N/A (DI)	N/A (DI)
	rs, unless only on	e well		-				7.1-7	1411(21)
	ed Calibration		ation):		Time:	16:21]		
				Dans (Fail			Adam fort	1	
Buffer	Check Value	Units	t0.1 s.u.	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4 000	b 94	s.u.	±0.1 s.u.	1	1	100	MSI	L344-09	12/14/202
4.00a	994	s.u.	±0.1 s.u.	1	-		MSI	L343-07 M082-04	12/9/2023
7.00a	" " " "	μS/cm	±5%	+++	1		Ricca	4207N97	3/25/2024 Jul-24
7.00a 10.00a	99			+-		1	Macron		8/26/2025
7.00a 10.00a SC 1000	297		+0.1 mg/l	1 / 1					
7.00a 10.00a	0.05	mg/L NTU	±0.1 mg/L <2 NTU		119	1	Pace Labs	N/A (DI)	N/A (DI)

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Multiparameter Water Meter Make:	Field Personnel:	Amor	Rem be	Non			Loc	ation:		och i			
Multiparameter Water Meter Make: Hgri, Gu Model: U Sooc Serial Number: YLAKIGHA Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp pH 4.00a Lb, CA s.u. ±0.1 s.u. MSI 1344-09 12/14/ pH 10.00a 1,0 Co s.u. ±0.1 s.u. MSI 1344-09 12/14/ pH 10.00a 1,0 Co s.u. ±0.1 s.u. MSI MSI 1344-09 12/14/ pH 10.00a 1,0 Co s.u. ±0.1 s.u. MSI MSI 1344-09 12/14/ pH 20.00a 1,0 Co s.u. ±0.1 s.u. MSI MSI MSI MSI MSI 1344-09 12/19/2 MSI	Weather:	600-76°	F NE	unnd			Environ	Environment: Grass, S:11 , woods			ds.		
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 21/14/ 14.00a	Multiparameter	Water Meter	Make:	Horiba	Mo	odel:	U Soo	0	Seri	ial Number:	YLAK	Jama	}
Description	Water Lev	el Meter	Make:	Hear	Mo	odel:	O;spe	1-	Seri	ial Number:	371	7-7	
DH 7.00a	Buffer	Check Value	Units	Range	Pass	/Fail	Calibra	te?	Adjust	ed Reading	Manufacturer	Lot#	Exp.
Det 10.00a	oH 4.00a	4.01	s.u.	±0.1 s.u.	1	0	N	O	1	VIA	MSI	L344-09	12/14/202
SC Zero (DI) 1 S	oH 7.00a	7.00	s.u.	±0.1 s.u.		,				1	MSI	L343-07	12/9/2023
Size Care	H 10.00a	10.06	s.u.	±0.1 s.u.						1	MSI	M082-04	3/25/2024
DRP	C Zero (DI)		μS/cm	0<25 µ5/cm						1	Pace Labs	N/A (DI)	N/A (DI)
DRP	SC 2000	1970		±5%							Geotech	2GE1442	May-23
DO (Zero pt) O. O mg/L ±0.1 mg/L ±0.1 mg/L ±0.1 mg/L ±0.1 mg/L	ORP			±15 mV							InSitu	2G1762	Jun-23
Pace Labs N/A (DI) N/A (DI)	OO (Zero pt)		mg/L	±0.1						1	Macron	#000228049	8/26/2025
Pace Labs N/A (Di) N/A (Di)				97-100%							Pace Labs		N/A (DI)
Supprox. every 4 hrs, unless only one well Supprox. every 4 hr			NTU				L			1	Pace Labs		N/A (DI)
Superior Superior			e well										
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Expanded Expanded Lot Substitution Substitution Lot Lot Substitution Lot Lot Substitution Lot Lot Substitution Lot Lot				erification)				Time:	OA	30			
Substitute Sub		·			Docc	/Fnil					Manufacturer	1	Fian.
10 17 10 10 10 10 10 10					1	_				ŗ			
Section			1		+	,	_	10/	17				
Ricca 4207N97 Jul-24					+			1		_			
Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Expert 4.00a					++			-				-	
Suffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Experiment E				1576	1	- 1					RICCA	4207N97	JUI-24
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Expert 4.00a L. 0.5 s.u. ±0.1 s.u. DO DO DO DO DO DO DO D						7		_		_	1		
Description	CCV (Continue	d Calibration	Verifica	ition):			Ti	me:	171	5			
PH 7.00a	Buffer	Check Value	Units	Range	Pass	/Fail	Calibra	te?			Manufacturer	Lot#	Exp.
Decoration De	pH 4.00a	4.05	s.u.	±0.1 s.u.	6)	NO		N	114	MSI	L344-09	12/14/202
Sc 1000 1/3	oH 7.00a	7.04	s.u.	±0.1 s.u.						1	MSI	L343-07	12/9/2023
Macron #000228049 8/26/2 Macron #00028049 8/26/2	pH 10.00a	0.08	s.u.	±0.1 s.u.							MSI	M082-04	3/25/2024
Pace Labs N/A (DI) N/A (DI	SC 1000	978	μS/cm	±5%							Ricca	4207N97	Jul-24
Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Ex. 4.00a s.u. ±0.1 s.u. MSI L344-09 12/14/7.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2.00a s.u. ±0.1 s.u. MSI MSI MO82-04 3/25/2.000 MSI MO82-04 3/25/2.000 MSI MO82-04 3/25/2.000 MSI MO82-04 MSI	DO (Zero pt)	0.00	mg/L	±0.1 mg/L							Macron	#000228049	8/26/2025
CCV (Continued Calibration Verification): Time: Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Ex 4.00a s.u. ±0.1 s.u. MSI L344-09 12/14/ 7.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2 10.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 5C 1000 μS/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2	Turbidity (DI)	0.0	NTU	<2 NTU			1			1	Pace Labs	N/A (DI)	N/A (DI)
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Ex 4.00a s.u. ±0.1 s.u. MSI L344-09 12/14/ 7.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2 10.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 5C 1000 μS/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2	Approx. every 4 hr	s, unless only or	ne well										
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Ex 4.00a s.u. ±0.1 s.u. MSI L344-09 12/14/ 7.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2 10.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 SC 1000 μS/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2	CCV (Continue	d Calibration	Verifica	tion):				Time:					
4.00a s.u. ±0.1 s.u. MSI L344-09 12/14/ 7.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2 10.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 3C 1000 μS/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2					Pace	/Fail	_		Adjust	ed Reading	Manufacturor	Let#	Exp.
7.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2 10.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 SC 1000 μS/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2		CHECK VAIGE			F 455	/ Fail	Calibra	ic:	Aujust	cu neaumg	-		
10.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 6C 1000 μS/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2			+		1							-	12/14/202
SC 1000 μS/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2					1			-					
DO (Zero pt) mg/L ±0.1 mg/L					-			-	_				
						-							
Fuelsidity (DI) NTI 21 NTI Describe 181/4 (BI) 181/4 (BI)			MTU NTU	<2 NTU	+-	-			-		Pace Labs	N/A (DI)	N/A (DI)
Furbidity (DI) NTU < 2 NTU Pace Labs N/A (DI) N/A (D Comments:			I MID I	NZ NTO							race Laus	IN/A (DI)	M/A (DI)

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

October 19, 2023

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings Project Manager

Laine Bellings

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

GG03019

Work Order

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

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Work Order GG03704

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Work Order GG04417

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Work Order GG04978

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

ANALYTICAL RESULTS

Sample: GG03019-07 Name: G51S

Matrix: Ground Water - Grab

Sampled: 07/18/23 12:02

Received: 07/18/23 17:16

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	15	mg/L		07/19/23 00:02	5	5.0	07/19/23 00:02	CRD	EPA 300.0 REV 2.1
Fluoride	0.278	mg/L		07/18/23 23:42	1	0.250	07/18/23 23:42	CRD	EPA 300.0 REV 2.1
Sulfate	59	mg/L		07/19/23 00:21	25	25	07/19/23 00:21	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	15.33	Feet		07/18/23 12:02	1		07/18/23 12:02	FIELD	Field*
Dissolved oxygen, Field	0.98	mg/L		07/18/23 12:02	1		07/18/23 12:02	FIELD	Field*
Oxidation Reduction Potential	-61.3	mV		07/18/23 12:02	1	-500	07/18/23 12:02	FIELD	Field*
pH, Field Measured	6.91	pH Units		07/18/23 12:02	1		07/18/23 12:02	FIELD	Field*
Specific Conductance, Field Measured	730.0	umhos/cm		07/18/23 12:02	1		07/18/23 12:02	FIELD	Field*
Temperature, Field Measured	14.8	°C		07/18/23 12:02	1		07/18/23 12:02	FIELD	Field*
Temperature, Field	58.7	°F		07/18/23 12:02	1		07/18/23 12:02	FIELD	Field*
Measured Turbidity, Field Measured	121	NTU		07/18/23 12:02	1	0.00	07/18/23 12:02	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	300	mg/L		07/20/23 09:16	1	10	07/20/23 09:16	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		07/20/23 09:16	1	10	07/20/23 09:16	CPS	SM 2320B 1997*
Soluble General Chemistry - I	PIA								
Solids - total dissolved solids (TDS)	420	mg/L		07/21/23 09:53	1	26	07/21/23 11:16	MKH	SM 2540C
Total Metals - PIA									
Boron	13	ug/L		07/19/23 09:56	5	10	07/21/23 11:49	JMW	EPA 6020A
Calcium	98	mg/L		07/19/23 09:56	5	0.20	07/20/23 14:15	JMW	EPA 6020A
Magnesium	42	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:15	JMW	EPA 6020A
Potassium	0.30	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:15	JMW	EPA 6020A
Sodium	7.6	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:15	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GG03704-01 Name: G54L

Matrix: Ground Water - Grab

Sampled: 07/20/23 12:18 **Received:** 07/20/23 17:22

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method Anions - PIA Chloride 43 Q4 07/21/23 17:45 5 5.0 07/21/23 17:45 **TMS** EPA 300.0 REV 2.1 mg/L Fluoride 0.306 07/21/23 17:26 1 0.250 07/21/23 17:26 **TMS** EPA 300.0 REV 2.1 mg/L Sulfate 120 07/21/23 18:04 25 07/21/23 18:04 TMS EPA 300.0 REV 2.1 mg/L Q4 25 Field - PIA Depth, From Measuring 22.37 Feet 07/20/23 12:18 1 07/20/23 12:18 JD Field* Point Dissolved oxygen, Field 0.60 mg/L 07/20/23 12:18 1 07/20/23 12:18 JD Field* Oxidation Reduction -39.9 mV 07/20/23 12:18 -500 07/20/23 12:18 JD Field* 1 Potential pH, Field Measured 6.46 pH Units 07/20/23 12:18 07/20/23 12:18 JD Field* 1 Specific Conductance, Field 07/20/23 12:18 07/20/23 12:18 Field* 1500 umhos/cm 1 JD Measured Temperature, Field 228 °C 07/20/23 12:18 JD. Field* 07/20/23 12:18 1 Measured Temperature, Field °F 07/20/23 12:18 73.0 07/20/23 12:18 1 JD Field* Measured Turbidity, Field Measured 07/20/23 12:18 Field* NTU 0.00 609 07/20/23 12:18 1 JD **General Chemistry - PIA** Alkalinity - bicarbonate as 720 08/02/23 09:09 10 08/02/23 09:09 CPS SM 2320B 1997* mg/L CaCO3 Alkalinity - carbonate as SM 2320B 1997* < 10 mg/L 08/02/23 09:09 1 10 08/02/23 09:09 **CPS** CaCO3 Soluble General Chemistry - PIA 07/27/23 13:34 Solids - total dissolved 1100 26 MKH SM 2540C mg/L 07/27/23 11:41 1 solids (TDS) **Total Metals - PIA** Boron 32 ug/L 07/24/23 09:36 5 10 07/28/23 11:36 TJJ **EPA 6020A** Calcium 180 mg/L Q4 07/24/23 09:36 5 0.20 08/01/23 16:27 wjm EPA 6020A 90 Q4 07/24/23 09:36 0.10 08/03/23 14:45 EPA 6020A Magnesium mg/L 5 wjm Potassium 0.39 07/24/23 09:36 5 0.10 08/01/23 16:27 **EPA 6020A** mg/L wjm Sodium 14 mg/L 07/24/23 09:36 5 0.10 08/01/23 16:27 wjm **EPA 6020A**

ANALYTICAL RESULTS

Sample: GG03704-02 Name: G54S

Matrix: Ground Water - Grab

Sampled: 07/20/23 11:04

Received: 07/20/23 17:22

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	6.4	mg/L		07/21/23 20:01	5	5.0	07/21/23 20:01	TMS	EPA 300.0 REV 2.1
Fluoride	0.374	mg/L		07/21/23 19:41	1	0.250	07/21/23 19:41	TMS	EPA 300.0 REV 2.1
Sulfate	36	mg/L		07/21/23 20:01	5	5.0	07/21/23 20:01	TMS	EPA 300.0 REV 2.1
<u>Field - PIA</u>									
Depth, From Measuring Point	23.56	Feet		07/20/23 11:04	1		07/20/23 11:04	JD	Field*
Dissolved oxygen, Field	0.21	mg/L		07/20/23 11:04	1		07/20/23 11:04	JD	Field*
Oxidation Reduction Potential	-41.8	mV		07/20/23 11:04	1	-500	07/20/23 11:04	JD	Field*
pH, Field Measured	6.76	pH Units		07/20/23 11:04	1		07/20/23 11:04	JD	Field*
Specific Conductance, Field	953.8	umhos/cm		07/20/23 11:04	1		07/20/23 11:04	JD	Field*
Measured Temperature, Field Measured	65.5	°F		07/20/23 11:04	1		07/20/23 11:04	JD	Field*
Temperature, Field Measured	18.6	°C		07/20/23 11:04	1		07/20/23 11:04	JD	Field*
Turbidity, Field Measured	744	NTU		07/20/23 11:04	1	0.00	07/20/23 11:04	JD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	480	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA	<u> </u>								
Solids - total dissolved solids (TDS)	610	mg/L		07/27/23 11:41	1	26	07/27/23 13:34	MKH	SM 2540C
Total Metals - PIA									
Boron	38	ug/L		07/24/23 09:36	5	10	07/28/23 11:45	TJJ	EPA 6020A
Calcium	110	mg/L		07/24/23 09:36	5	0.20	08/01/23 16:39	wjm	EPA 6020A
Magnesium	48	mg/L		07/24/23 09:36	5	0.10	08/03/23 14:56	wjm	EPA 6020A
Potassium	0.75	mg/L		07/24/23 09:36	5	0.10	08/01/23 16:39	wjm	EPA 6020A
Sodium	12	mg/L		07/24/23 09:36	5	0.10	08/01/23 16:39	wjm	EPA 6020A

ANALYTICAL RESULTS

Sample: GG03704-03 Name: G57S

Magnesium

Potassium

Sodium

Matrix: Ground Water - Grab

Sampled: 07/20/23 13:20 **Received:** 07/20/23 17:22

Result Unit Qualifier Dilution MRL Analyzed Method Parameter Prepared Analyst Anions - PIA Chloride TMS EPA 300.0 REV 2.1 20 07/21/23 20:39 5 5.0 07/21/23 20:39 mg/L 0.250 EPA 300.0 REV 2.1 Fluoride 0.253 mg/L 07/21/23 20:20 1 07/21/23 20:20 TMS

Sulfate	49	mg/L	07/26/23 15:05	10	10	07/26/23 22:55	TMS	EPA 300.0 REV 2.1
Field - PIA								
Depth, From Measuring Point	22.12	Feet	07/20/23 13:20	1		07/20/23 13:20	JD	Field*
Dissolved oxygen, Field	1.5	mg/L	07/20/23 13:20	1		07/20/23 13:20	JD	Field*
Oxidation Reduction Potential	57.9	mV	07/20/23 13:20	1	-500	07/20/23 13:20	JD	Field*
pH, Field Measured	6.72	pH Units	07/20/23 13:20	1		07/20/23 13:20	JD	Field*
Specific Conductance, Field Measured	1192	umhos/cm	07/20/23 13:20	1		07/20/23 13:20	JD	Field*
Temperature, Field Measured	64.1	°F	07/20/23 13:20	1		07/20/23 13:20	JD	Field*
Temperature, Field Measured	17.8	°C	07/20/23 13:20	1		07/20/23 13:20	JD	Field*
Turbidity, Field Measured	10.4	NTU	07/20/23 13:20	1	0.00	07/20/23 13:20	JD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as CaCO3	710	mg/L	08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Soluble General Chemistry - P	<u>IA</u>							
Solids - total dissolved solids (TDS)	930	mg/L	07/27/23 11:41	1	26	07/27/23 13:34	MKH	SM 2540C
Total Metals - PIA								
Boron	13	ug/L	07/24/23 09:36	5	10	07/28/23 11:48	TJJ	EPA 6020A
Calcium	150	mg/L	07/24/23 09:36	5	0.20	08/01/23 16:42	wjm	EPA 6020A

07/24/23 09:36

07/24/23 09:36

07/24/23 09:36

5

5

0.10

0.10

0.10

08/03/23 15:00

08/01/23 16:42

08/01/23 16:42

wjm

wjm

wjm

EPA 6020A

EPA 6020A

EPA 6020A

93

0.30

12

mg/L

mg/L

mg/L

ANALYTICAL RESULTS

Sample: GG03704-07 Name: G60S

Matrix: Ground Water - Grab

Sampled: 07/20/23 14:53 **Received:** 07/20/23 17:22

	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	5.7	mg/L		07/22/23 00:12	1	1.0	07/22/23 00:12	TMS	EPA 300.0 REV 2.1
Fluoride	0.328	mg/L		07/22/23 00:12	1	0.250	07/22/23 00:12	TMS	EPA 300.0 REV 2.1
Sulfate	77	mg/L		07/22/23 00:32	10	10	07/22/23 00:32	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	24.63	Feet		07/20/23 14:53	1		07/20/23 14:53	JD	Field*
Dissolved oxygen, Field	0.93	mg/L		07/20/23 14:53	1		07/20/23 14:53	JD	Field*
Oxidation Reduction Potential	-35.6	mV		07/20/23 14:53	1	-500	07/20/23 14:53	JD	Field*
pH, Field Measured	6.66	pH Units		07/20/23 14:53	1		07/20/23 14:53	JD	Field*
Specific Conductance, Field	963.6	umhos/cm		07/20/23 14:53	1		07/20/23 14:53	JD	Field*
Measured Temperature, Field Measured	22.0	°C		07/20/23 14:53	1		07/20/23 14:53	JD	Field*
Temperature, Field Measured	71.6	°F		07/20/23 14:53	1		07/20/23 14:53	JD	Field*
Turbidity, Field Measured	1840	NTU		07/20/23 14:53	1	0.00	07/20/23 14:53	JD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	460	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Soluble General Chemistry - P	<u>IA</u>								
Solids - total dissolved solids (TDS)	1200	mg/L	М	07/27/23 11:41	1	26	07/27/23 13:34	MKH	SM 2540C
Total Metals - PIA									
Boron	31	ug/L		07/24/23 09:36	5	10	07/28/23 12:23	TJJ	EPA 6020A
Calcium	130	mg/L		07/24/23 09:36	5	0.20	08/01/23 17:05	wjm	EPA 6020A
Magnesium	51	mg/L		07/24/23 09:36	5	0.10	08/03/23 15:38	wjm	EPA 6020A
Potassium	0.99	mg/L		07/24/23 09:36	5	0.10	08/01/23 17:05	wjm	EPA 6020A
Sodium	12	mg/L		07/24/23 09:36	5	0.10	08/01/23 17:05	wjm	EPA 6020A

ANALYTICAL RESULTS

Sample: GG03704-13 Name: G60L

Matrix: Ground Water - Grab

Sampled: 07/20/23 14:41 Received: 07/20/23 17:22

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	12	mg/L		07/22/23 01:49	5	5.0	07/22/23 01:49	TMS	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		07/22/23 01:30	1	0.250	07/22/23 01:30	TMS	EPA 300.0 REV 2.1
Sulfate	190	mg/L		07/22/23 02:08	25	25	07/22/23 02:08	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	12.2	Feet		07/20/23 14:41	1		07/20/23 14:41	JD	Field*
Dissolved oxygen, Field	3.1	mg/L		07/20/23 14:41	1		07/20/23 14:41	JD	Field*
Oxidation Reduction Potential	86.0	mV		07/20/23 14:41	1	-500	07/20/23 14:41	JD	Field*
pH, Field Measured	5.82	pH Units		07/20/23 14:41	1		07/20/23 14:41	JD	Field*
Specific Conductance, Field Measured	887.0	umhos/cm		07/20/23 14:41	1		07/20/23 14:41	JD	Field*
Temperature, Field Measured	66.0	°F		07/20/23 14:41	1		07/20/23 14:41	JD	Field*
Temperature, Field Measured	18.9	°C		07/20/23 14:41	1		07/20/23 14:41	JD	Field*
Turbidity, Field Measured	17.9	NTU		07/20/23 14:41	1	0.00	07/20/23 14:41	JD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	290	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Soluble General Chemistry	- PIA								
Solids - total dissolved solids (TDS)	660	mg/L		07/27/23 11:41	1	26	07/27/23 13:34	MKH	SM 2540C
Total Metals - PIA									
Boron	31	ug/L		07/24/23 09:36	5	10	07/28/23 12:26	TJJ	EPA 6020A
Calcium	87	mg/L		07/24/23 09:36	5	0.20	08/01/23 17:09	wjm	EPA 6020A
Magnesium	36	mg/L		07/24/23 09:36	5	0.10	08/03/23 15:42	wjm	EPA 6020A
Potassium	0.31	mg/L		07/24/23 09:36	5	0.10	08/01/23 17:09	wjm	EPA 6020A
Sodium	34	mg/L		07/24/23 09:36	5	0.10	08/01/23 17:09	wjm	EPA 6020A

ANALYTICAL RESULTS

Sample: GG03704-19
Name: X301 PUMP HOUSE
Matrix: Ground Water - Grab

Sampled: 07/20/23 15:12 **Received:** 07/20/23 17:22

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	910	mg/L		07/22/23 03:06	100	100	07/22/23 03:06	TMS	EPA 300.0 REV 2.1
Sulfate	1300	mg/L		07/22/23 03:26	1000	1000	07/22/23 03:26	TMS	EPA 300.0 REV 2.1
Field - PIA									
Dissolved oxygen, Field	1.9	mg/L		07/20/23 15:12	1		07/20/23 15:12	JD	Field*
Temperature, Field Measured	69.2	°F		07/20/23 15:12	1		07/20/23 15:12	JD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	610	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/02/23 09:09	1	10	08/02/23 09:09	CPS	SM 2320B 1997*
<u>Total Metals - PIA</u>									
Calcium	390	mg/L		07/24/23 09:36	5	0.20	08/01/23 17:13	wjm	EPA 6020A
Magnesium	300	mg/L		07/24/23 09:36	5	0.10	08/03/23 15:46	wjm	EPA 6020A
Potassium	10	mg/L		07/24/23 09:36	5	0.10	08/01/23 17:13	wjm	EPA 6020A
Sodium	72	mg/L		07/24/23 09:36	5	0.10	08/01/23 17:13	wjm	EPA 6020A

ANALYTICAL RESULTS

Sample: GG04417-12 Name: G64S

Matrix: Ground Water - Grab

Sampled: 07/25/23 16:23 **Received:** 07/25/23 17:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	3.2	mg/L		07/26/23 15:11	1	1.0	07/26/23 15:11	TMS	EPA 300.0 REV 2.1
Fluoride	0.348	mg/L		07/26/23 15:11	1	0.250	07/26/23 15:11	TMS	EPA 300.0 REV 2.1
Sulfate	25	mg/L		07/26/23 15:30	5	5.0	07/26/23 15:30	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	24.18	Feet		07/25/23 16:23	1		07/25/23 16:23	FIELD	Field*
Dissolved oxygen, Field	2.1	mg/L		07/25/23 16:23	1		07/25/23 16:23	FIELD	Field*
Oxidation Reduction Potential	-38.4	mV		07/25/23 16:23	1	-500	07/25/23 16:23	FIELD	Field*
pH, Field Measured	6.82	pH Units		07/25/23 16:23	1		07/25/23 16:23	FIELD	Field*
Specific Conductance, Field	702.5	umhos/cm		07/25/23 16:23	1		07/25/23 16:23	FIELD	Field*
Measured Temperature, Field Measured	63.0	°F		07/25/23 16:23	1		07/25/23 16:23	FIELD	Field*
Temperature, Field Measured	17.2	°C		07/25/23 16:23	1		07/25/23 16:23	FIELD	Field*
Turbidity, Field Measured	9.92	NTU		07/25/23 16:23	1	0.00	07/25/23 16:23	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	420	mg/L		08/04/23 09:45	1	2.0	08/04/23 09:45	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		08/04/23 09:45	1	2.0	08/04/23 09:45	CPS	SM 2320B 1997*
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	800	mg/L		08/01/23 09:40	1	26	08/01/23 11:00	MKH	SM 2540C
Total Metals - PIA									
Boron	15	ug/L		07/27/23 09:21	5	10	08/09/23 16:46	TJJ	EPA 6020A
Calcium	100	mg/L		07/27/23 09:21	5	0.20	08/07/23 16:59	TJJ	EPA 6020A
Magnesium	47	mg/L		07/27/23 09:21	5	0.10	08/07/23 16:59	TJJ	EPA 6020A
Potassium	0.65	mg/L		07/27/23 09:21	5	0.10	08/07/23 16:59	TJJ	EPA 6020A
Sodium	12	mg/L		07/27/23 09:21	5	0.10	08/08/23 17:36	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GG04417-13 Name: G02S

Matrix: Ground Water - Grab

Sampled: 07/25/23 14:35 **Received:** 07/25/23 17:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	1.6	mg/L		07/26/23 15:50	1	1.0	07/26/23 15:50	TMS	EPA 300.0 REV 2.1
Fluoride	0.397	mg/L		07/26/23 15:50	1	0.250	07/26/23 15:50	TMS	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L		07/26/23 15:50	1	1.0	07/26/23 15:50	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	10.47	Feet		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Dissolved oxygen, Field	0.070	mg/L		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Oxidation Reduction Potential	-127	mV		07/25/23 14:35	1	-500	07/25/23 14:35	FIELD	Field*
pH, Field Measured	6.57	pH Units		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Specific Conductance, Field	571.4	umhos/cm		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Measured Temperature, Field	16.6	°C		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Measured Temperature, Field	61.8	°F		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Measured Turbidity, Field Measured	1.17	NTU		07/25/23 14:35	1	0.00	07/25/23 14:35	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	440	mg/L		08/04/23 09:45	1	2.0	08/04/23 09:45	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 2.0	mg/L		08/04/23 09:45	1	2.0	08/04/23 09:45	CPS	SM 2320B 1997*
Soluble General Chemistry - F	PIA								
Solids - total dissolved solids (TDS)	440	mg/L		08/01/23 09:40	1	26	08/01/23 11:00	MKH	SM 2540C
Total Metals - PIA									
Boron	37	ug/L		07/27/23 09:21	5	10	08/09/23 16:50	TJJ	EPA 6020A
Calcium	100	mg/L		07/27/23 09:21	5	0.20	08/07/23 17:03	TJJ	EPA 6020A
Magnesium	38	mg/L		07/27/23 09:21	5	0.10	08/07/23 17:03	TJJ	EPA 6020A
Potassium	0.80	mg/L		07/27/23 09:21	5	0.10	08/07/23 17:03	TJJ	EPA 6020A
Sodium	14	mg/L		07/27/23 09:21	5	0.10	08/08/23 17:40	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GG04978-04 Name: G50S

Matrix: Ground Water - Grab

Sampled: 07/27/23 14:28

Received: 07/27/23 18:38

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	13	mg/L		07/28/23 16:45	5	5.0	07/28/23 16:45	CRD	EPA 300.0 REV 2.1
Fluoride	0.322	mg/L		07/28/23 16:26	1	0.250	07/28/23 16:26	CRD	EPA 300.0 REV 2.1
Sulfate	48	mg/L		07/28/23 16:45	5	5.0	07/28/23 16:45	CRD	EPA 300.0 REV 2.1
<u>Field - PIA</u>									
Depth, From Measuring Point	15.44	Feet		07/27/23 14:28	1		07/27/23 14:28	FIELD	Field*
Dissolved oxygen, Field	130	mg/L		07/27/23 14:28	1		07/27/23 14:28	FIELD	Field*
Oxidation Reduction Potential	-65.0	mV		07/27/23 14:28	1	-500	07/27/23 14:28	FIELD	Field*
pH, Field Measured	6.61	pH Units		07/27/23 14:28	1		07/27/23 14:28	FIELD	Field*
Specific Conductance, Field Measured	685.0	umhos/cm		07/27/23 14:28	1		07/27/23 14:28	FIELD	Field*
Temperature, Field Measured	20.1	°C		07/27/23 14:28	1		07/27/23 14:28	FIELD	Field*
Temperature, Field Measured	68.2	°F		07/27/23 14:28	1		07/27/23 14:28	FIELD	Field*
Turbidity, Field Measured	18.1	NTU		07/27/23 14:28	1	0.00	07/27/23 14:28	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	310	mg/L		08/09/23 11:11	1	10	08/09/23 11:11	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		08/09/23 11:11	1	10	08/09/23 11:11	CPS	SM 2320B 1997*
Soluble General Chemistry - P	<u>IA</u>								
Solids - total dissolved solids (TDS)	440	mg/L		08/02/23 11:04	1	26	08/02/23 14:29	LAL2	SM 2540C
Total Metals - PIA									
Boron	19	ug/L		08/02/23 08:02	5	10	08/10/23 15:05	TJJ	EPA 6020A
Calcium	92	mg/L		08/02/23 08:02	5	0.20	08/11/23 11:02	TJJ	EPA 6020A
Magnesium	37	mg/L		08/02/23 08:02	5	0.10	08/10/23 13:47	TJJ	EPA 6020A
Potassium	0.41	mg/L		08/02/23 08:02	5	0.10	08/10/23 13:47	TJJ	EPA 6020A
Sodium	9.7	mg/L		08/02/23 08:02	5	0.10	08/10/23 13:47	TJJ	EPA 6020A

Sampled: 07/27/23 12:06

Received: 07/27/23 18:38

ANALYTICAL RESULTS

Sample: GG04978-07 **Name:** G64L

Matrix: Ground Water - Grab

Parameter	Result	Unit	Qualifier Prepare	d Dilutio	n MRL	Analyzed	Analyst	Method
Anions - PIA								
Chloride	1.8	mg/L	07/28/23 1	8:22 1	1.0	07/28/23 18:22	CRD	EPA 300.0 REV 2.1
Fluoride	0.444	mg/L	07/28/23 1	8:22 1	0.250	07/28/23 18:22	CRD	EPA 300.0 REV 2.1
Sulfate	43	mg/L	07/28/23 1	8:41 5	5.0	07/28/23 18:41	CRD	EPA 300.0 REV 2.1
<u>Field - PIA</u>								
Depth, From Measuring Point	22.8	Feet	07/27/23 1	2:06 1		07/27/23 12:06	FIELD	Field*
Dissolved oxygen, Field	3.7	mg/L	07/27/23 1	2:06 1		07/27/23 12:06	FIELD	Field*
Oxidation Reduction Potential	176	mV	07/27/23 1	2:06 1	-500	07/27/23 12:06	FIELD	Field*
pH, Field Measured	7.05	pH Units	07/27/23 1	2:06 1		07/27/23 12:06	FIELD	Field*
Specific Conductance, Field Measured	920.1	umhos/cm	07/27/23 1	2:06 1		07/27/23 12:06	FIELD	Field*
Temperature, Field Measured	19.8	°C	07/27/23 1	2:06 1		07/27/23 12:06	FIELD	Field*
Temperature, Field Measured	67.6	°F	07/27/23 1	2:06 1		07/27/23 12:06	FIELD	Field*
Turbidity, Field Measured	315	NTU	07/27/23 1	2:06 1	0.00	07/27/23 12:06	FIELD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as CaCO3	490	mg/L	08/09/23 1	1:11 1	10	08/09/23 11:11	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	08/09/23 1	1:11 1	10	08/09/23 11:11	CPS	SM 2320B 1997*
Soluble General Chemistry - Pl.	<u>A</u>							
Solids - total dissolved solids (TDS)	600	mg/L	08/02/23 1	1:04 1	26	08/02/23 14:29	LAL2	SM 2540C
Total Metals - PIA								
Boron	41	ug/L	08/02/23 0	8:02 5	10	08/10/23 13:58	TJJ	EPA 6020A
Calcium	110	mg/L	08/02/23 0	8:02 5	0.20	08/11/23 11:06	TJJ	EPA 6020A
Magnesium	65	mg/L	08/02/23 0	8:02 5	0.10	08/10/23 13:58	TJJ	EPA 6020A
Potassium	0.87	mg/L	08/02/23 0	8:02 5	0.10	08/10/23 13:58	TJJ	EPA 6020A
Sodium	8.5	mg/L	08/02/23 0	8:02 5	0.10	08/10/23 13:58	TJJ	EPA 6020A

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPI Lim
Batch B338951 - SW 3015 - EPA 6020A									
Blank (B338951-BLK1)				Prepared: 0)7/19/23 Anal	yzed: 07/21/2	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B338951-BS1))7/19/23 Anal	yzed: 07/21/2			
Boron	547	ug/L		555.6		98	80-120		
Calcium	6.12	mg/L		5.556		110	80-120		
Magnesium	6.29	mg/L		5.556		113	80-120		
Potassium	6.08	mg/L		5.556		109	80-120		
Sodium	6.39	mg/L		5.556		115	80-120		
Matrix Spike (B338951-MS1)	Sample: GG030)19-01		Prepared: 0)7/19/23 Anal	yzed: 07/21/2	3		
Boron	555	ug/L		555.6	18.3	97	75-125		
Calcium	138	mg/L	Q4	5.556	140	NR	75-125		
Magnesium	64.0	mg/L	Q4	5.556	61.2	50	75-125		
Potassium	6.41	mg/L		5.556	0.626	104	75-125		
Sodium	15.3	mg/L		5.556	9.64	102	75-125		
Matrix Spike Dup (B338951-MSD1)	Sample: GG030)19-01		Prepared: 0	3				
Boron	559	ug/L		555.6	18.3	97	75-125	0.7	20
Calcium	142	mg/L	Q4	5.556	140	46	75-125	3	20
Magnesium	66.5	mg/L	Q4	5.556	61.2	96	75-125	4	20
Potassium	6.61	mg/L		5.556	0.626	108	75-125	3	20
Sodium	15.9	mg/L		5.556	9.64	114	75-125	4	20
Batch B339129 - No Prep - SM 2320B 1997									
Duplicate (B339129-DUP3)	Sample: GG030)19-01		Prepared &	Analyzed: 07	/20/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	312	mg/L			300			4	10
Batch B339216 - No Prep - SM 2540C									
Blank (B339216-BLK1)				Prepared &	Analyzed: 07	/21/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B339216-BS1)				•	Analyzed: 07	/21/23			
Solids - total dissolved solids (TDS)	977	mg/L		1000		98	84.9-109		
Duplicate (B339216-DUP1)	Sample: GG030	19-01		Prepared &	Analyzed: 07	/21/23			
Solids - total dissolved solids (TDS)	760	mg/L			775			2	5
Duplicate (B339216-DUP2)	Sample: GG030)19-11		Prepared &	Analyzed: 07	/21/23			
Solids - total dissolved solids (TDS)	610	mg/L			625			2	5
Batch B339333 - SW 3015 - EPA 6020A									
Blank (B339333-BLK1)				Prepared: 0)7/24/23 Anal	yzed: 07/28/2	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							

				Spike	Source		%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Limi
Blank (B339333-BLK1)				Prepared: 0	7/24/23 Anal	yzed: 08/01/2	3		
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B339333-BS1)				Prepared: 0	7/24/23 Anal	yzed: 07/28/2	3		
Boron	624	ug/L		555.6		112	80-120		
Calcium	4.80	mg/L		5.556		86	80-120		
Magnesium	5.31	mg/L		5.556		96	80-120		
Potassium	5.43	mg/L		5.556		98	80-120		
Sodium	5.44	mg/L		5.556		98	80-120		
Matrix Spike (B339333-MS1)	Sample: GG037	04-01		Prepared: 0	7/24/23 Anal	yzed: 07/28/2	3		
Boron	599	ug/L		555.6	31.7	102	75-125		
Calcium	177	mg/L	Q4	5.556	175	28	75-125		
Magnesium	92.7	mg/L	Q4	5.556	89.8	52	75-125		
Potassium	5.89	mg/L		5.556	0.387	99	75-125		
Sodium	19.3	mg/L		5.556	14.2	93	75-125		
Matrix Spike Dup (B339333-MSD1)	Sample: GG037			Prepared: 0	7/24/23 Anal	yzed: 07/28/2	3		
Boron	612	ug/L		555.6	31.7	105	75-125	2	20
Calcium	177	mg/L	Q4	5.556	175	40	75-125	0.4	20
Magnesium	94.2	mg/L		5.556	89.8	80	75-125	2	20
Potassium	5.83	mg/L		5.556	0.387	98	75-125	1	20
Sodium	19.0	mg/L		5.556	14.2	88	75-125	2	20
		9/=		0.000				_	
Batch B339340 - IC No Prep - EPA 300.0 REV 2	<u>.1</u>								
Matrix Spike (B339340-MS3)	Sample: GG037	04-01		Prepared &	Analyzed: 07	/21/23			
Chloride	1.0E9	mg/L	Q4	1.500	43	NR	80-120		
Fluoride	1.86	mg/L		1.500	0.306	103	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	124	NR	80-120		
Matrix Spike Dup (B339340-MSD3)	Sample: GG037	04-01		Prepared &	Analyzed: 07	/21/23			
Sulfate	1.00E9	mg/L	Q4	1.500	124	NR	80-120	0	20
Chloride	1.0E9	mg/L	Q4	1.500	43	NR	80-120	0	20
Fluoride	1.85	mg/L		1.500	0.306	103	80-120	0.3	20
Batch B339705 - SW 3015 - EPA 6020A									
				D	7/07/00 A = -1				
Blank (B339705-BLK1)	- 40	//		Prepared: 0	7/27/23 Anai	yzed: 08/09/2:			
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B339705-BS1)				•	7/27/23 Anal	yzed: 08/09/2			
Boron	526	ug/L		555.6		95	80-120		
Calcium	5.59	mg/L		5.556		101	80-120		
Magnesium	5.81	mg/L		5.556		105	80-120		
Potassium	6.05	mg/L		5.556		109	80-120		
Sodium	5.69	mg/L		5.556		102	80-120		
Matrix Spike (B339705-MS1)	Sample: GG044	17-01		Prepared: 0	7/27/23 Anal	yzed: 08/09/2	3		
Boron	826	ug/L	Q1	555.6	472	64	75-125		

Parameter	Do cost	1114	01	Spike	Source	N/ DE0	%REC	222	RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Limi
Matrix Spike (B339705-MS1)	Sample: GG044	17-01)7/27/23 Anal				
Magnesium	189	mg/L	Q4	5.556	179	173	75-125		
Potassium	30.8	mg/L		5.556	24.5	113	75-125		
Sodium	10.7	mg/L		5.556	5.57	93	75-125		
Matrix Spike Dup (B339705-MSD1)	Sample: GG044	17-01		Prepared: 0)7/27/23 Anal	yzed: 08/09/2	23		
Boron	770	ug/L	Q2	555.6	472	54	75-125	7	20
Calcium	285	mg/L	Q4	5.556	289	NR	75-125	2	20
Magnesium	191	mg/L	Q4	5.556	179	205	75-125	0.9	20
Potassium	31.3	mg/L		5.556	24.5	123	75-125	2	20
Sodium	10.6	mg/L		5.556	5.57	90	75-125	1	20
Batch B339730 - IC No Prep - EPA 300.0 REV 2.1									
Matrix Spike (B339730-MS1)	Sample: GG044	17-01			Analyzed: 07				
Sulfate	1.00E9	mg/L	Q4	1.500	347	NR	80-120		
Chloride	4.5	mg/L		1.500	2.8	115	80-120		
Matrix Spike Dup (B339730-MSD1)	Sample: GG044	17-01		Prepared &	Analyzed: 07	/26/23			
Sulfate	1.00E9	mg/L	Q4	1.500	347	NR	80-120	0	20
Chloride	4.4	mg/L		1.500	2.8	113	80-120	0.9	20
Batch B339734 - No Prep - SM 2540C									
Blank (B339734-BLK1)				Prepared &	Analyzed: 07	/27/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B339734-BS1)					Analyzed: 07				
Solids - total dissolved solids (TDS)	1020	mg/L		1000		102	84.9-109		
Duplicate (B339734-DUP1)	Sample: GG037			Prepared &	Analyzed: 07	/27/23			
Solids - total dissolved solids (TDS)	1060	mg/L			1100			5	5
Duplicate (B339734-DUP2)	Sample: GG037			Prepared &	Analyzed: 07	/27/23			
Solids - total dissolved solids (TDS)	735	mg/L	M		1180			47	5
Batch B339934 - No Prep - SM 2540C									
Blank (B339934-BLK1)				Prepared &	Analyzed: 08	/01/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B339934-BS1)				Prepared &	Analyzed: 08	/01/23			
Solids - total dissolved solids (TDS)	993	mg/L		1000		99	84.9-109		
Duplicate (B339934-DUP1)	Sample: GG044	117-01		Prepared &	Analyzed: 08	/01/23			
Solids - total dissolved solids (TDS)	980	mg/L			960			2	5
Duplicate (B339934-DUP2)	Sample: GG044	17-11		Prepared &	Analyzed: 08	/01/23			
Solids - total dissolved solids (TDS)	785	mg/L	М		810			3	5
Batch B339939 - IC No Prep - EPA 300.0 REV 2.1									
Matrix Spike (B339939-MS1)	Sample: GG049	78-01		Prepared &	Analyzed: 07	/28/23			
Fluoride	1.74	mg/L		1.500	0.257	99	80-120		
Chloride	4.5	mg/L		1.500	3.3	85	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	463	NR	80-120		
Matrix Spike (B339939-MS2)	Sample: GG049	78-11		Prepared: 0)7/29/23 Anal	yzed: 07/28/2	23		
Fluoride	1.66	mg/L		1.500	0.192	98	80-120		
Matrix Spike Dup (B339939-MSD1)	Sample: GG049	78-01		Prepared &	Analyzed: 07	/28/23			
Fluoride	1.79	mg/L		1.500	0.257	102	80-120	2	20

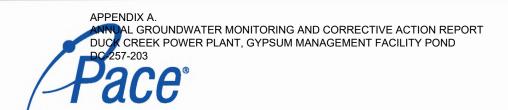
				Spike	Source		%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Lim
Matrix Spike Dup (B339939-MSD1)	Sample: GG049	78-01		Prepared &	Analyzed: 07	/28/23			
Chloride	4.6	mg/L		1.500	3.3	92	80-120	2	20
Sulfate	1.00E9	mg/L	Q4	1.500	463	NR	80-120	0	20
Matrix Spike Dup (B339939-MSD2)	Sample: GG049	78-11		Prepared: 0	7/29/23 Anal	yzed: 07/28/23			
Fluoride	1.68	mg/L		1.500	0.192	99	80-120	0.8	20
Batch B340157 - SW 3015 - EPA 6020A									
Blank (B340157-BLK1)				Prepared: 0	08/02/23 Anal	yzed: 08/10/23			
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B340157-BS1)				Prepared: 0	08/02/23 Anal	yzed: 08/10/23			
Boron	619	ug/L		555.6		111	80-120		
Calcium	5.74	mg/L		5.556		103	80-120		
Magnesium	5.58	mg/L		5.556		100	80-120		
Potassium	5.58	mg/L		5.556		101	80-120		
Sodium	5.65	mg/L		5.556		102	80-120		
Matrix Spike (B340157-MS1)	Sample: GG049	78-01		Prepared: 0	08/02/23 Anal	yzed: 08/10/23			
Boron	605	ug/L		555.6	91.6	92	75-125		
Calcium	305	mg/L	Q4	5.556	303	26	75-125		
Magnesium	118	mg/L	Q4	5.556	115	52	75-125		
Potassium	7.42	mg/L		5.556	1.95	98	75-125		
Sodium	18.9	mg/L		5.556	13.7	94	75-125		
Matrix Spike Dup (B340157-MSD1)	Sample: GG049	78-01		Prepared: 0	08/02/23 Anal	yzed: 08/10/23			
Boron	613	ug/L		555.6	91.6	94	75-125	1	20
Calcium	305	mg/L	Q4	5.556	303	32	75-125	0.1	20
Magnesium	118	mg/L	Q4	5.556	115	50	75-125	0.1	20
Potassium	7.37	mg/L		5.556	1.95	97	75-125	0.7	20
Sodium	18.8	mg/L		5.556	13.7	93	75-125	0.3	20
Batch B340192 - No Prep - SM 2540C									
Blank (B340192-BLK1)				Prepared &	Analyzed: 08/	/02/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B340192-BS1)				Prepared &	Analyzed: 08/	/02/23			
Solids - total dissolved solids (TDS)	987	mg/L		1000		99	84.9-109		
Duplicate (B340192-DUP1)	Sample: GG049	78-01		Prepared &	Analyzed: 08/	/02/23			
Solids - total dissolved solids (TDS)	1480	mg/L			1420			4	5
Duplicate (B340192-DUP2)	Sample: GG052	77-01		Prepared &	Analyzed: 08/	/02/23			
Solids - total dissolved solids (TDS)	5100	mg/L			5180			2	5
Batch B340193 - No Prep - SM 2320B 1997									
Duplicate (B340193-DUP1)	Sample: GG037	04-01		Prepared &	Analyzed: 08/	/02/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	675	mg/L			725			7	10
Duplicate (B340193-DUP2)	Sample: GG037	04-06		Prepared &	Analyzed: 08/	/02/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Duplicate (B340193-DUP2)	Sample: GG037	704-06		Prepared &	Analyzed: 08	/02/23			
Alkalinity - bicarbonate as CaCO3	538	mg/L			500			7	10
Batch B340448 - No Prep - SM 2320B 1997									
Duplicate (B340448-DUP1)	Sample: GG041	129-01		Prepared &	Analyzed: 08	/04/23			
Alkalinity - bicarbonate as CaCO3	525	mg/L			525			0	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B340448-DUP2)	Sample: GG041	129-11		Prepared &	Analyzed: 08	/04/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	400	mg/L			388			3	10
Duplicate (B340448-DUP3)	Sample: GG041	129-14		Prepared &	Analyzed: 08	/04/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	500	mg/L			488			3	10
Duplicate (B340448-DUP4)	Sample: GG044	117-01		Prepared &	Analyzed: 08	/04/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	400	mg/L			362			10	10
Batch B340811 - No Prep - SM 2320B 1997									
Duplicate (B340811-DUP1)	Sample: GG049	78-01		Prepared &	Analyzed: 08	/09/23			
Alkalinity - bicarbonate as CaCO3	825	mg/L			800			3	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B340811-DUP2)	Sample: GG052	277-01		Prepared &	Analyzed: 08	/09/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	488	mg/L			500			3	10

Customer #: 72-104337 www.pacelabs.com



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NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q2 Matrix Spike Duplicate failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level. The associated blank spike was acceptable.

Diane Bellings

Certified by: Diane Billings, Project Manager



All DTWs on SAR-3 must be collected within 24 hours.

Plant: Event: DC

DC-23Q3 Rev 0

Well	Unique ID	Unit Numi	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
BA01C	DC-BA01!C	205	вав	7/17/23	1428	14.90		KL
BA01L	DC-BA01!L	205	ВАВ		1425	15.29		KL
G02L	DC-G021L	204	LF		0941	12.22		20
G02D	DC-G02&D	204	LF		0944	22.04	TD= 68.48"	20
G03L	DC-G031L	204	LF		0934	8.68	TD = 26,80'	20
G03S	DC-G03#S	204	LF		0929	8.33		30
G04L	DC-G04!L	204	LF		1327	15.42	dry	MM
G04S	DC-G04#S	204	LF		1329	18.27		NA
G06L	DC-G06!L	204	LF		1232	21.80		20
G065	DC-G06#S	204	LF		1230	22,02		ZD
G07L	DC-G07!L	204	LF		1222	21.12		20
G08L	DC-G08!L	204	LF		1216	20.68		20
G09L	DC-G091L	204	LF		1207	20.75		20
G095	DC-G09#S	204	LF		1210	20.63		20
G12L	DC-G121L	204	LF		1139	21.67		20
G12S	DC-G12#S	204	LF		1171	22.72		22
G14L	DC-G14!L	204	LF		[loG	24.02	TD=26.86	20
G15L	DC-G15!L	204	LF		1050	30.85		20
G15S	DC-G15#S	204	LF		ioy 7	31.19		20
G16L	DC-G16!L	204	LF		1042	29,41		20
G50L	DC-G50IL	203	GMF		1036	12.52		KL
G51L	DC-G51IL	203	GMF		1522	15.75		20
G52L	DC-G52!L	203	GMF	T	1515	26.38		JD

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DO

Event: DC-23Q3 Rev 0

Weli	Unique ID	Unit Num!	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
G52S	DC-G52#S	203	GMF	7/17/23	1516	31,00		ot
G53L	DC-G53IL	203	GMF		11:56	11.98		KL
G53S	DC-G53#5	203	GMF		11:59	13.70		KL
G55L	DC-G55!L	203	GMF		1532	19,38		20
G55S	DC-G55#S	203	GMF		153j	19.18		20
G56L	DC-G561L	203	GMF		9:36	18.15	10=25.43	KL
G56S_	DC-G56#S	203	GMF		9.33	18,55		kL
G57L	DC-G57IL	203	GMF		9:47	22.35	TD: 29.28	KL
G58L	DC-G58!L	203	GMF		9:51	20.56	TD = 33 81	KL
G58S	DC-G58#S	203	GMF		9:54	26.59		KL
G59L	DC-G59!L	203	GMF		9:57	25.54	10:35.32	KL
G59S	DC-G59#S	203	GMF		9:59	33,85		KL
G61S	DC-G61#S	203	GMF		10:14	19.28		KL
G62L	DC-G62!L	203	GMF		10:19	20.79	to:33.52	KL
G63L	DC-G63!L	203	GMF		10:22	23:60	TO: 31.02	KL
G63S	DC-G63#S	203	GMF		10:26	24,34		KL
G65L	DC-G65!L	203	GMF		12:35	18,21	TD= 25.16	NW
G65S	DC-G65#S	203	GMF		10:31	18.52		NU
G66L	DC-G66IL	203	GMF		10:45	12,35		Nu
G66S	DC-G66#S	203	GMF		10:46	13.01		NW
G67L	DC-G67!L	203	GMF		10:55	11.45		νV
G67S	DC-G67#S	203	GMF		10:28	12.33		NW
G68L	DC-G68!L	203	GMF	1	11:41	11.97		พพ

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

Event: DC-23Q3 Rev 0

Well	Unique ID	Unit Num!	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
G68S	DC-G68#S	203	GMF	7/17/23	1148	12.85		NW
G69L	DC-G69!L	203	GMF		0941	13.80	to=27.86	NW
G69S	DC-G69#S	203	GMF		0933	16.96		NU
G70L	DC-G70IL	203	GMF		0949	16.54		NU
G71L	DC-G71!L	203	GMF		1000	23.71	TO= 32.96	MM
G71S	DC-G71#S	203	GMF		MS5	24.48		ฟน
G72L	DC-G72!L	203	GMF		1005	2246	TO= 28.02	NW
G73L	DC-G73!L	203	GMF		1025	25.53		Nw
L103	DC-L103	204	LF		1515	1.10		AP
OM05S	DC-OM05#S	201- 202	AP1/ 2		1463	18.00	TD:25.70	AP
OM08	DC-OM08	201- 202	AP1/ 2		1348	14.85	70 = 26.94	AP
OM09	DC-OM09	201- 202	AP1/ 2		1259	4.68		AP
OM10	DC-OM10	201- 202	AP1/ 2		100	_	not safe to access	AP
OM15	DC-OM15		AP1/ 2		1437	21,60	10= 51.17	Ap
OM22S	DC-OM22#S		AP1/ 2		1057	41.79 19.31		BG
OM23S	DC-OM23#S		AP1/ 2		1235	57/95 41.79	t 5=46.10	40
OM25D	DC-OM25&D		AP1/ 2		1317	48,62 51.95		AD
OR03S	DC-OR03#S		AP1/ 2		1045	2/165 45.62		BG
OR05D	DC-OR05&D		AP1/ 2		1400	6. 21.65	to= 49.74	AP
OR14S	DC-OR14#S		AP1/ 2	Tail TE	1337	6,82	To= 24.33	AP
OR18	DC-OR18		AP1/ 2		6943	17.32	to= 5310	AP
P01L	DC-P011L	204	LF		0751	10.38	TD = 23.35 '	32
P01S	DC-P01#S	204	LF		0954	10.13	TD= 29.71	120

All DTWs on SAR-3 must be collected within 24 hours.

Plant:

Event: DC-23Q3 Rev 0

Well	Unique ID	Unit Numt	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
P01I	DC-P01\$I	204	LF	7/17/23	1005	10.05	TD=4695	20
P02S	DC-P02#S	204	LF	1	1523	14.89	10=91.94	20
P04S	DC-P04#S	204	LF		1329	1827		20
P05L	DC-P05!L	204	LF		1335	3.11	TD=14,92'	22
P05S	DC-P05#S	204	LF		1337	3.28		22
P05D	DC-P05&D	204	LF		13:39	6,30	TD=46.10'	20
P36L	DC-P36!L	204	LF		1306	6.9611.17	10=15,07 10 21/2/23	30
P36S	DC-P36#S	204	LF		1302		70:31.43	20
P36D	DC-P36&D	204	LF		1310	11.57	10=51.38	35
P37L	DC-P37!L	204	LF		1203	13.64		75
P37D	DC-P37&D	204	LF		1306	15.59		KL
P38L	DC-P38!L	204	LF		1059	17,95	TD = 19:75	20
P38S	DC-P38#S	204	LF		1057	17.30	TD=31,42"	30
P39L	DC-P39!L	204	LF		1024	6.96	TD= 15.09'	20
P39S	DC-P39#S	204	LF		1031	7.14	TD= 26.25'	20
P39D	DC-P39&D	204	LF		1028	13.75	To=43.58'	20
P40L	DC-P40!L	204	LF		1359	10.28	TO = 20,44	20
P40S	DC-P40#S	204	LF		1401	9.54	t\$ = 35 .42°	29
P41L	DC-P41!L	204	LF		1117	6.90	TO = 12.00'	30
P41S	DC-P41#S	204	LF		1119	9,51		KL
P41D	DC-P41&D	204	LF		1123	35.40		KL
P42L	DC-P42!L	204	LF		12/6	5,88	to= 24.30 well is Knocked over	Nu
P42S	DC-P42#S	204	LF	1	1218	5.73	TO= 31.47	NW

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

Event: DC-23Q3 Rev 0

Well	Unique ID	Unit Num!	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
P42I1	DC-P42\$I1	204	LF	7/17/23	1536	6.02	10: 42.22	ΚL
P42I2	DC-P42%I2	204	LF	1	1534	32.42	TO: 57.30	KL
P42D	DC-P42&D	204	LF		1221	37,62	TD= 77.07	NU
P52	DC-P52	203	GMF		1514	14.82	TO = 28.26	KL
P57L	DC-P57!L	203	GMF		1517	22.32	10:29.27	KL
P57S	DC-P5.7#S	203	GMF		1520	22.08		KL
P60	DC-P60	203	GMF		1010	24.54	TD=37,30	KL
P61	DC-P61	203	GMF		1053	10.00	10 -21.53	KL
P62	DC-P62	203	GMF		1050	(0.55	TD=19.11	KL
P63	DC-P63	203	GMF		1048	14,17	to= 20,46	KL
P64	DC-P64	203	GMF		1103	14.71	Tb= 892	KL
R10L	DC-R10!L	204	LF		1154	21.93	27.45 = TO	20
R11L	DC-R11!L	204	LF		1145	21,37	26.89 = TO botton	30
R13L	DC-R13!L	204	LF		113[21.10	29.88'=TD	20
R61L	DC-R61!L	203	GMF		1528	p.00	31.45°=70	KL
R72S	DC-R72#S	203	GMF		1010	22.26	TO:37.77	NW
T43L	DC-T43!L	204	LF	,	1238	6.69		20
T44L	DC-T44!L	204	LF		1243	11,00		20
T45L	DC-T45!L	204	LF		1246	8.96		30
T46L	DC-T46!L	204	LF		1258	7.00		20
X301	DC-X301- leachate	203	GMF		NA	NA	NA	
XTPW02	DC-XTPW02- pore	203	GMF		1530	6.99	Dry	AP
	1			1				

U:6/19/23 GKJ

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours. Plant: DC

DC-23Q3 Rev 0 Event:

Well	Unique ID	Unit Num!	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
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Page 1 of 3

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads
All DTWs on SAR-4 form may be collected at anytime during the sampling event.
Plant: DC
Event: DC-23Q3 Rev 0

	Initials	12/2	*	74	K,	7	K	F	Z'	5	K	KL	正	7	FL	*	KL	잣	37
	Comments		battories replaced	5															
	Batt (H/M/L)	n	H	I	工	X	I	7	H	×	4	I	I	I	I	I	I	I	#
	Data down- loaded?	Y	>	7	~	>	X	7	7	7	^	5	2	12	7	2	2	2	7
On-site Transducer Data	WL Reading on Transducer (ft)	124.21	5,06.	173.38	578.34	173.24	£78£5	572,81	173,93	10,113	185.41	183,18	183.09	182.72	182,88	18339	179.73	190.29	600.32
On-site Tra	Does Data Logger Gerial No. Strbs	165	125	yes	ryes	745	Yes	425	* ST	425	125	225	326	525	524	529	6.66	Sah	765
	Data Logger Serial No.	21615533	21615636	21615682	21615637	21615687	21615631	21615540	21615525	21615554	21615535	21615691	21615690	21615684	21615683	21615678	21615677	21615688	21615632
	Measured Depth to Water (It bmp)	15.79	12.02	Drv	10.48	Dry	6.99	2136	25.04	10.47	15,44	1533	22.37	23,56	22,26		24.63	22.83	24,18
	Time	ifos	1111	1056	1340	1009	1249	1332	BIH	1316	1314	13.32	13:41	3.37	13:4	13.54	13:51	13.58	1504
	Date	7/24/23	1/25/13	1/24	7/3/123	7/24	7/24/23	7/1/23	7(24/13	7/25/27	7/27	1/3/	7/31	12K	7/31	7/31	7/31	7131	7/25/23
	Этви JinU	BAB	BAB	BAB	BAB	BAB	BAB	BAB	BAB	느	GMF								
	Մոiէ Mumber	205	205	205	205	205	205	205	205	204	203	203	203	203	203	203	203	203	203
	Unique ID	DC-BA01	DC-BA02	DC-BA02!L	DC-BA03	DC-BA03!L	DC-BA04	DC-BA05#	DC-BA06	DC-G02#S	DC-G50#S	DC-G51#S	DC-G541L	DC-G54#S	DC-G57#S	DC-G60!L	DC-G60#5	DC-G641L	DC-G64#S
	Well	BA01	BA02	BA02L	BA03	BAG3L	BA04	BA05	BA06	6025	G50S	G51S	G54L	G54S	G57S	GEOL	G60S	G64L	G64S

SAR-4: Depth to Groundwater Measurements = On=site Transducer Downloads
All DTWs on SAR-4 form may be collected at anytime during the sampling event.
Plant: DC
Event: DC-23Q3 Rev 0

	slatinI	Age.	90	d t	弘	B	Q'n	Ales	Se	K	5	36	48	A	क	30	23	J.K	5
	Corriments	TO-27.83 Mg	1035.88	10,29,97		10-4340	replaced butteres	72-60.57	TD-65.074		broken/called		73 22.28	7.0	10-68.01	TD-25,65	TD = 41.63		
	Batt (H/M/L)	H	H	14	I	\mathcal{H}	¥	H	I	M	1	H	H	I	H	工	×	8	1
	Data down- loaded?	165	78.3	50%	32	252	res	Je S	Yes	1/25	NO	7es	yes	Yes	yes	705	498	405	yes
On-site Transducer Data	W£ Reading on Transducer (ft)	283.457	587.37	584.12	176.17	-580,61	1	8512.11	EHSO 085	34.76	broken	570,79	295,0210	5831947	586,37	581,23	564.59	588.75	589.15
On-site Tra	Does Data Logger Serial No. Match?	38%	Yes	sex	526	tes	165	yes	Yes	Yes	105	tes	200	Ver	725	Sat	7.05	y e5	121
	Data Logger Serial No.	21615685	21615542	21615541	21615527	21615539	21615693	21615593	21615592	21615591	21615522	21615681	21615679	21615577	21615570	21615692	216,15686	21615676	21564135
	Measured Depth to Water (ft bmp)	12.04	20.00	12.4	17.3V	24.50	13,66	10.80	18-85	38.54	06/1	27.96	6.19	Hu.au	21,21	14.07	31.84		
	Time	1019	1030	ious	15:11	1130	1330	1527	1105	1222	330	1251	124	14(0)	7 401	1202	0/10/	1385	742
	Date	1/20/23	7/25/23	7/26/23 1045	11:31 8:11	7/24/23 1/30	7/24/23	7/19/23	7/19/23 1105	7/27/23	7/27/23	7/26/23	7/20/23	7/20/23	7/25/23	201-API/ 7/26/13 1202	7/25/13 1000	7 /31/23	7/26/23/74/2
	9msN tinU	AP1/ 2	201-AP1/ 202 2	201-AP1/ 202 2	201- AP1/ 202 2	201- AP1/ 202 2	AP1/ 2	201-AP1/ 202 2	201- AP1/ 202 2	201-AP1/ 202 2	201- AP1/ 202 2	201- AP1/ 202 2	AP1/ 2	201- AP1/ 202 2	AP1/ 2	AP1/ 2	201- AP1/ 202 2	201 AP1/ 202 2	201- AP1/ 202 2
	Unit Number	201	201-	201-	201-	201	201-	201	201-	201-	201-	201-	201- 202	201-	201-	201-	201-	201	201-
	Unique ID	DC-0M01	DC-OM04#S	DC-DM07	DC-OM12	DC-OM16	DC-OM17	DC-OM21	DC-OM22&D	DC-OM23&D	DC-OM24&D	DC-OM25#S	DC-OR02	DC-OR03&D	DC-OR04&D	DC-OR06!A	DC-OR11	DC-0R13#S	DC-OR13&D
	Well	OM01	OM04S	OM07	OM12	OM16	OM17	OM21	OM22D	OMZ3D	OM24D	OM25S	OR02	OR03D	OR04D	OROGA	OR11	OR13S	OR13D

30

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads
All DTWs on SAR-4 form may be collected at anytime during the sampling event.
Plant: DC
Event: DC-23Q3 Rev 0

	Initials		JR.	20	
	Comments			TD=52,55 TO	11. 6/21/23 GKT
	Batt (H/M/L)	7	Ŧ	H	
	Data down- loaded?	×	X	7	
On-site Transducer Data	WL Reading on Transducer (ft)	588.34	571.76	1,252-1	
On-site Tra	Does Data Logger Serial No. Match?	yes	745	yes	
	Data Logger Serial No.	21615611	21615634	21615610	
	Measured Depth to Water (ft bmp)	10,52	25,99	26.12	-
	Time	1431	1210	936	
	Date	7/24/23	7/31/23	07/24/23 0936	
	эт Изте	AP1/ 2	201- AP1/ 202 2		
	Unit Number	201· AP1/ 202 2	201-	201-	
	Unique ID	DC-OR14&D	DC-OR19	DC-OR20	
	well	OR14D	OR19	OR20	

WELL/SAN	PLE POINT	7	28		Purge N	Method:	Blad	der	Pump
Date:	7/25/	123	Start Time:	132	_5	Finish/S	ample Time:	143	5
Well Depth	(Bottom) Fro	m MP:	pomp	ft		Min. Purge	Volume:	_/	Gal
Depth to W	ater From MF	P:	1947	ft		Total Purge	Volume:	1.3	Gal(L)
Water Colu	mn Length:			ft		Max Draw	down:		fl
Well Water	Volume:			Gal / L		Total Drawd	lown:	1.36	ft
Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb
(Units)	1337	ft.	mL/mln	ŝ.u.	umhos/cm	deg C	mV	mg/L	NTU
1	1377	11:72	180	658	55991	16.60	7127.8	0.07	326
2	1338	11.72	100	6.58	563,44	1660	-129.1	0.06	15.00
3	1379	11.72	100	657	7571.41	16.56	-126.9	0.07	1017
4			-		-				
5 Ctabilization	NA	NA	NA	103	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Stabilization	NA NA	/ /		± 0.2	± 370	10.2	1 20	1 10% 01 0.2	INA
Field Meter	:	A	160	0		Well Integr	ity	Yes	No
						Well has ID	sign	X	
Sample App	pearance:					Casing lock	ed/secure	2	
Odor:	None 🗆	Slight	Mod. □	Strong		Well cap fit	s securely.	X	
	1			Strong	-1	Good seal/o		X	
- '				Strong	-1	Well has we		1	
Tulb.	THORE D	Slight 🗆	MICO []	Strong		VV CII II II II S W	seh livies		
BOTTLE IN	FORMATIO	N:							
DOTTEL III		tered]		Filt	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	l0mL, HCL)			1	Metals (P,25	0mL, HNO3)		/
	VOAS (C,V, 4	40mL)				Ammonia (P	250mL, H2S0	4)	
	Organics (A,0	G,U 1000mL)				General (P,5	00mL)		
	Organics (A,0				3	TOC			
3	TOC (A,V 40)		_		-				
-	+	0mL, H2SO4)					-		1
	Metals (P,250	250mL, NaOH							
	+	,250mL, H2S							İ
1	General (P. 2	_		1					
	Rad	2.56		1					10
					Final	DTW:	11.8	3 ft	
		_			rillai	DIW.	(,,0	<i>)</i> "	
Comments	Terro	us Iron	n- Ove	rrange			-		
					7	1 12	P 1		
			Sampler's S	Signature:	10	uph 1	Need		
					0	1			

WELL/\$AM	PLE POINT	G5	08		Purge N	Method:	10m-t1	w	
Date:	7-20	-2-7	Start Time:	10:05)-^ (Finish/Sa	ample Time:	-14	14:28
Well Depth	(Bottom) Fro	m MP:	37.30	fl 1).	11	Min. Purge \	/olume:	1.0	Gal / L
Depth to Wa	ater From MF	P:	15.44	ft		Total Purge	Volume:	1.3	Gal / L
Water Colu	mn Length:		21.86	ft		Max Drawo	lown:	Na	ft
Well Water	Volume:		7.49	Gal / L		Total Drawd	own:	6.4	ħ
Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	13:37	18.45	100	1.63	6/9	20.03	-74	1.24	25,0
2	13:28	18.58	100	6.60	689	20.00	770	1.35	21.4
3	13:24	18.72	100	6.61	685	20.13	-65	132	18.1
4	-								->4
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		Horis	Ba			Well Integri	tv	Yeş	No
T TOTAL INICION		1			_	Well has ID		VI	
Sample App	pearance:					Casing lock		V	
	/	Slight	Mod. □	Strong		Well cap fits			
	1			Strong		Good seal/d		1	
	1		_	Strong	-	Well has we		1/	
				_					
BOTTLE IN	IFORMATIOI Unfil	N: tered				Filt	ered		
Qty	Bottles			1	Qty	Bottles			
	VOAs (C,V, 4	OmL, HCL)		1	Ĭ	Metals (P,250	mL, HNO3)		
	VOAS (C,V,			1		Ammonia (P,	250mL, H2S0)4)	
	Organics (A,C				7	General (P,50	OmL)		
	Organics (A,0	G,U 500mL)			3	toc			
3	TOC (A,V 40)	mL, H2SO4)							
ŧ,		0mL, H2SO4)							
1	Metals (P,250								
		250mL, NaOH							J.
-		,250mL, H2S	04)						
ı	General (P, 2		-				-		
-	Rad &	2.5					010	0	
Comments	N	A	/F.	News	Final	DTW:	21.8	<u>Å</u> ft	
			100	425					
			1		1/1	711 0			
			Sampler's S	Signature:	Pin	MX			

WELL/SAM	PLE POINT	G5	51\$		Purge !	Method:	Blade	PV	
Date:	7/18	/23	Start Time:	1030	<u> </u>	Finish/S	ample Time	1202	
Well Depth	(Bottom) Fr	om MP:	32.17	ft		Min. Purge	Volume:	1.5	Gal (1)
Depth to W	ater From M	P·	15.33	ft		Total Purge	Volume:	2.0	Gal (L)
Water Colu	mn Length:		16.84	ft	Max Drawdown:				ft
Well Water	Volume:		10.90	Gal(1)		Total Drawdown: 7.00			ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	1056	18.19	100	6.92	733.80	14.89	~64.1	0.95	140.13
2	1057	18.29	100	6.91	733.22	14.86	-62,9	0.91	12900
3	1058	18.41	100	6,91	73001	14.84	-61.3	0.98	120,92
4					100				
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		AT G	(20)			Well Integri	itv	Yes	No
TIGIC HICKOT.		1110	~		-	Well has ID		7	140
Sample App	earance:					Casing lock		1 1	
VI.		□ Slight □	i Mod. □	Strong		Well cap fits		- 0	
	,			Strong	-				1
	177				-	Good seal/o		1	
Turb: □	None 6	Slight L	MOG L	Strong		Well has we	ep noies		
BOTTLE IN				1					
		iltered			-		ered		
Qty	Bottles	40-1 1101)			Qty	Bottles			
	VOAS (C.V.				-	Metals (P,250		14)	
	VOAS (C,V,	G,U 1000mL)				Ammonia (P, General (P, 51)4)	
	Organics (A,				3			I LA COULT	
3		ml., H2SO4)		1	- 0	100 ()	7,1,000	(hOSBH, 1.	
		0mL, H2SO4)							
1		0mL, HNO3)							
		250mL, NaOH		1					
	_	3,250mL, H2S0		1		1			
1	General (P,			1					
		-HN03]					
	1	-		l .	Final	DTW:	22.3	33 ft	
Comments	016	1569	1-1	ansd	ucer +	Ŧ			
	Ferran	S Iron	1-00	864 p	22	_			
			Sampler's S	ignature:	Bred	le 25	lever.		

	IPLE POINT	G	54L		Purge N	lethod:	Pormble	Dump	
Date:	7/20	/23	_ Start Time:	1110		Finish/8	ample Time:		
Well Depth	(Bottom) Fro	om MP:	40.30	ft		Min. Purge	Volume:	1.0	Gal 🗘
Depth to W	ater From M	P:	22.37	ft		Total Purge	Volume:	1.5	Gal 🐧
Water Colu	ımn Length:		17.93	ft		Max Draw	down:		ft
Well Water	Volume:		10,86	Gal 🔼		Total Drawo	lown:	3.45	ft
Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1126	25/90	100	6.46	1496,0	22,86	39.7	0.69	539.76
2	1127	26.15	100	6.46	1506.4	22.81	-33.6	0,64	571.73
3	1128	26.35	100	6.46	1499.9	22.79	-39.9	0,60	608,71
4									
5	_								
Stabilization	n NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter	-	Bankto	11 600		_	Well Integr		Yes	No
		U				Well has ID		/,	
Sample Ap	pearance:					Casing lock	ed/secure	/,	
Odor: 🔏	None 🗆	Slight	☐ Mod. □	Strong		Well cap fits	s securely.	/	
Color /	None 🗆	Slight	□ Mod. □	Strong		Good seal/o	drainage	/	
Turb: 9	None 🗆	Slight [Mod □ S	Strong		Well has we	ep holes	/	
DOTTI E IL	NFORMATIO	M.							
BUTTLE IN		N: Itered				File	ered		
Qty	Bottles	Itereu			Qty	Bottles	ereu		
Gty	VOAs (C,V,	10ml HCL)			diy	Metals (P,250	Deal HNO3)		
	VOAS (C,V,		-				250mL, H2S04	1)	
		G,U 1000mL)			i	General (P,5		-	
	Organics (A,				8	Toc	· · · · · · · · · · · · · · · · · · ·		
3	TOC (A,V 40				- 3	100	-		
		0mL, H2SO4)						
1	Metals (P,250								
		250mL, NaOH	1)						
	1	3,250mL, H2S							
ı	General (P, 2	250 mL)							
	P 254 H	1003							
ı					Final	DTW:	2501		
Comments	Soluble	Iron:	4.238 p	p	Filial		25.82	ft	
Comments	Soluble	Iron:	4.238 p	p	Fillal	9		ft	

WELLIOAN	IPLE POINT	G5	4L		Purge N	Method:	OITED	le Pur	'\	
Date:	7-25	-23	Start Time:	144	5	Finish/Sa	mple Time	15:23		
Well Depth	(Bottom) Fro	m MP:	40.30			Min. Purge V	olume:			
Depth to W	ater From MF	٥.	2237	ft		Total Purge \	/olume:	1,3	Gal / L	
Water Colu	mn Length:		17.93	ft		Max Drawdo	own:	NA	ft	
	_		2,86							
Well Water	Volume:		6,00	Gal / L		Total Drawdo	wn:	5.00	fl	
Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb	
(Units)	1	(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)	
1	19164	25.88	100	5,57	1,520	243	4	0.84	X. 6	
2	15:05	25.90	100	5.50	1.526	24.53	6-1	0.85	8.1	
3	15.06	25,94	100	5.51	1320	24.6	7	0.87	8.5	
4	,,,,,	-5,11			, , ,	- 1. 11			2,5	
5										
Stabilization	NA NA	NA NA	NA NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA	
Field Meter		Hor	BA.			Well Integrit	v	Yes	No	
LICIO MICICI		1101	1+		- 1	Well has ID s		1.7	140	
Sample Ap	pearance:					Casing locke		1	-	
	4	Slight						1		
				Strong		Wall can fite	cocuraty	1/2		
	/			Strong	-	Well cap fits		1//	_	
	/			Strong	-	Well cap fits Good seal/dr		1//		
Color [None [Slight	Mod. □				ainage	1		
Color II	None 🗆	Slight Slight	Mod. □	Strong		Good seal/dr	ainage	1		
Color II	None None	Slight Slight	Mod. □	Strong		Good seal/dr	ainage ep holes	1		
Color II	None None	Slight Slight	Mod. □	Strong	Qty	Good seal/dr Well has wee	ainage ep holes	7		
Color Turb: ©	None D	Slight I Slight I Slight IN:	Mod. □	Strong	Qty	Good seal/dr Well has wee Filte Bottles Metals (P,250r	ainage ep holes red mL, HNO3)			
Color Turb: ©	None Unfil Bottles VOAs (C,V, 4	Slight I Slight N: Itered 40mL, HCL)	Mod. □	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: ©	None Unfill Bottles VOAS (C,V, 4 Organics (A,6	Slight Slight N: Hered HomL, HCL) 40mL) G,U 1000mL)	Mod. □	Strong	Qty	Good seal/dr Well has wee Filte Bottles Metals (P,250r	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: ©	None Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,0	Slight I Slight N: Itered 40mL, HCL) 40mL) G,U 1000mL)	Mod. □	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: 6	None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,0 TOC (A,V 40)	Slight I Slight N: Itered 40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4)	Mod. 🗆	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: ©	None Unfil Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,0 TOC (A,V 40) TOX (A,G 25)	Slight I Slight N: Itered 40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4)	Mod. 🗆	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: ©	None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,0 Organics (A,0 TOX (A,G 25) Metals (P,250	Slight I Slight N: Itered 40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3)	Mod	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: ©	None Unfil None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2	N: Hered #0mL, HCL) #0mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH,	Mod. Mod	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: ©	None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25 Cyanide (P, 2 Phenols (A,G	N: Hered OmL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH	Mod. Mod	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: ©	None Unfil None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2	N: Hered OmL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH	Mod. Mod	Strong		Good seal/dr Well has wee Filte Bottles Metals (P,250r Ammonia (P,2	ainage ep holes red mL, HNO3) 50mL, H2S6			
Color Turb: 6	None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25 Cyanide (P, 2 Phenols (A,G	N: Hered OmL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH	Mod. Mod	Strong		Filte Bottles Metals (P,250r Ammonia (P,2 General (P,50r)	red mL, HNO3) 50mL, H2S0	04)		
Color Turb: ©	None Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25 Cyanide (P, 2 Phenols (A,G	N: Hered OmL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH	Mod. Mod	Strong		Filte Bottles Metals (P,250r Ammonia (P,2 General (P,50r)	red mL, HNO3) 50mL, H2S0	04)		
Color Turb: ©	None Unfill Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,0 TOC (A,V 40) TOX (A,G 25) Metals (P,250 Cyanide (P, 2 Phenols (A,G General (P, 2	Slight I Slight	Mod. Mod	Strong		Filte Bottles Metals (P,250r Ammonia (P,2 General (P,50r)	red mL, HNO3) 50mL, H2S0			
Color Turb: ©	None Unfill Bottles VOAS (C,V, 4 VOAS (C,V,	Slight I Slight	Mod. Mod	Strong		Filte Bottles Metals (P,250r Ammonia (P,2 General (P,50r)	red mL, HNO3) 50mL, H2S0	04)		
Color II Turb: II BOTTLE IN Qty	None Unfill Bottles VOAS (C,V, 4 VOAS (C,V,	Slight I Slight	Mod. Mod	Strong		Filte Bottles Metals (P,250r Ammonia (P,2 General (P,50r)	red mL, HNO3) 50mL, H2S0	04)		

L.

WELL/SAM	IPLE POINT	G5	48		Purge I	Method:	Delicen	ed rump	
Date:	7/20/	23	Start Time:	0956		Finish/S	ample Time:	11:0	4
Well Depth	(Bottom) Fro	om MP:	51.26	ft		Min. Purge	Volume:	1:0	Gal (C)
Depth to Wa	ater From Mi	P:	23.56	ft		Total Purge	Volume:	1.5	Gal L7
Water Colu	mn Length:		27.70	ft		Max Draw	down:		ft
Well Water	Volume:		14.78	Gal /(L)		Total Drawd	down:	7.07	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)	18.00	(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	10.07	25.44	100	10.70	913.00	18-14	-40.5	025	425.30
2	10:08	25.602	100	6710	952.77	18.78	-41.3	0.23	629.52
3	1010	25.73	100	(0.7(0	953.81	18.61	-41.8	0.21	744.20
4	~								
5									_
Stabilization	NA	NA NA	NA	± 0.2	+ 39/	+0.2	+ 20	+ 10% ~ 0.3	ALA.
Stabilization	INA	·A	(±0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA NA
Field Meter:		Hava	10011	(00)		Well Integr	ity	Yes	No
		1-1-1-			- 1	Well has ID		1/	
Sample App	еагапсе:					Casing lock	ed/secure	VI	
Odor:	None [Slight	Mod. □	Strong		Well cap fits	s securely.	V,	
Color IV	None □	□ Slight □	Mod. □	Strong		Good seal/o	frainage	1)	
Turb:	None	Siight 😨	Mod □	Strong	-	Well has we	eep holes	/	
BOTTLE IN	FORMATIO	N:							•
DO		Itered		1		Filt	ered		1
Qty	Bottles			1	Qty	Bottles			1
	VOAs (C,V, 4	40mL, HCL)				Metals (P,250	mL, HNO3)		
	VOAS (C,V,	40mL)				Ammonia (P,	250mL, H2S0	4)	
		G,U 1000mL)			-	General (P,5			
-	Organics (A,				3	For AV	YOUL HE	94	
3	TOC (A,V 40								
		0mL, H2SO4)	-			-			
	Metals (P,256	250mL, NaOH)							
		3,250mL, H2SC							1
	General (P, 2))						
1	2,5L P								
	-	1000					20 .	^	
Comments	Solubi	e Iron	= 1.968) ppm	Final	DTW:	30.6	5 _{ft}	
				J	110	11/0/11	\		
			Sampler's S	ignature:	woh	ww	V _		

	IPLE POINT	G5	48	Purge Method: 10W-F10W					
Date:	7-15-	-23	Start Time:	15:28	· 	Finish/Sa	mpłe Time	15 5	b
Well Depth	(Bottom) Fro	m MP:	51.26	ft		Min. Purge V	olume:		Gal/L
Depth to Wa	ater From Mi	D.	13,44	fft		Total Purge \	/olume:	1.3	Gal / L
Water Colu	ma Lenath:		27.82	ft		Max Drawdo	own:	MA	ft
	_		11 12					- 1 -	
Well Water	Volume:		ريد المراد	Gal / L		Total Drawdo	wn:	2,47	rt
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	15.41	25,03	72	5.59	9415	23,34	7	2.34	3,7
2	15:42	25.08	100	5.88	952	23.35	3	2.31	3,2
	15:47	21 40	-		947		1	1	-
3	10.13	15.15	100	5,88	141	23.4	-1	2.21	3.6
4									>
5									
Stabilization	NA	NA NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
C:-14 M-4		1100	Pa			Mall Intermit		Yes	No
Field Meter:	•	110	100	_	- 1	Well Integrit		/	NO
Comple Apr						Casing locke		1/	_
Sample App	,			~.				1	_
Odor: 🔽	None 🗆	Slight	Mod.	Strong		Well cap fits	securely.	//	
Color 🖟	None [Slight	Mod. □	Strong		Good seal/dr	ainage	1/	
Turb:	None 🗆	Slight 🗆	Mod □	Strong	-	Well has wee	ep holes	/	
The state of the s									
,	FORMATIO	N:							
,	FORMATIO	N:		1		Filte	red		
,	FORMATIO				Qty	Filte	red		
BOTTLE IN	FORMATIO	tered			Qty				
BOTTLE IN	FORMATION Unfil	tered			Qty	Bottles	nL, HNO3)	04)	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,0	10mL, HCL) 10mL) - 10mL) - 13,U 1000mL)			Qty	Bottles Metals (P,250r	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	PORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,0 Organics (A,0	10mL, HCL) 10mL, HCL) 140mL) 13,U 1000mL) 13,U 500mL)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,0 Organics (A,0 TOC (A,V 40)	0mL, HCL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	FORMATION Unfil Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,0 Organics (A,0 TOC (A,V 40) TOX (A,G 25	MomL, HCL) 40mL) 5,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4) VOAS (C,V, 4) Organics (A,0) Organics (A,0) TOC (A,V 40) TOX (A,G 25) Metals (P,250)	MomL, HCL) 40mL, HCL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,25) Cyanide (P, 2	MomL, HCL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,250 Cyanide (P, 2 Phenols (A,G	10mL, HCL) 40mL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,25) Cyanide (P, 2	10mL, HCL) 40mL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(24)	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,250 Cyanide (P, 2 Phenols (A,G	10mL, HCL) 40mL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			Qty	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(04)	
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,250 Cyanide (P, 2 Phenols (A,G	10mL, HCL) 40mL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			k	Bottles Metals (P,250r Ammonia (P,2 General (P,500	nL, HNO3) 50mL, H2S(0mL)		
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,250 Cyanide (P, 2 Phenols (A,G	10mL, HCL) 40mL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			k	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S(
Qty	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,250 Cyanide (P, 2 Phenols (A,G	10mL, HCL) 40mL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			k	Bottles Metals (P,250r Ammonia (P,2 General (P,500	nL, HNO3) 50mL, H2S(0mL)		
BOTTLE IN	FORMATION Unfil Bottles VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25 Metals (P,250 Cyanide (P, 2 Phenols (A,G	10mL, HCL) 40mL) 40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)			k	Bottles Metals (P,250r Ammonia (P,2 General (P,500	nL, HNO3) 50mL, H2S(0mL)		

WELL/SAN	PLE POINT	G5	57S		Purge I	Vethod:	dedicat	ed pm()
Date:	7/20	/23	Start Time:	12:17	2	Finish/S	ample Time	1320	
Well Depth	(Bottom) Fro	om MP:	37.40	ft		Min. Purge	Volume:	1,0	Gal 🕖
Depth to W	ater From Mi	P:	22.12	ft		Total Purge	Volume:	1.5	Gal 🕡
Water Colu	mn Length:		15.28	ft		Max Draw	down:		ft
Well Water	Volume:		9,25	Gal		Total Drawo	lown:	0.88	ft
Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1226	22.73	106	6.74	1211.5	17.91	62.2	1.54	10.19
2	1227	22.74	100	C.72	1202.3	[7,8]	59.2	150	Will
3	1228	22.75	100	6,72	11720	17.81	57.9	1,47	10.37
4	_								F
5	-								
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		An mol	1 600			Well Integr	itv	Yes	No
		L				Well has ID		/	
Sample App	еагапсе:					Casing lock	ed/secure		/
Odor: Z	None □	Slight 🗆	Mod. □	Strong		Well cap fits	s securely.		
Color	None □	Slight 🗆	l Mod. □	Strong		Good seal/o		1	
Turb:	'None □	Slight	Mod □	Strong		Well has we	ep holes	/	
DOTTI 5 III									
BOTTLEIN	FORMATIO	N: tered				E14			
Qty	Bottles	reced			Otre	Bottles	ered		
ucty	VOAs (C,V, 4	IOml HCL)			Qty	Metals (P,250	mi HNO21		
	VOAS (C,V, 4				-	Ammonia (P,		141	
	Organics (A,C				ı	General (P,50		,,,,	
	Organics (A,C	_			3	Toc			
3	TOC (A,V 40r								
	TOX (A,G 250	0mL, H2SO4)							
	Metals (P,250	mL, HNO3)							
		50mL, NaOH)							
		,250mL, H2SC	04)						
	General (P, 2								
į.	1251 H	W73							
Comments	Soluble:	Iron = 0	7.078 pp.		Final	DT W :	23,00	ft	
					/	7	0		
			Sampler's Si	onature:	11		1/2/		
				g	1				

WELL/SAM	PLE POINT	G5			_	Method:	(W-F)	010	
Date:	7-25-	23	Start Time:	13:55		Finish/Sa	ample Time:	[14:]	6
Well Depth	(Bottom) Fro	m MP:	37.40	ft		Min. Purge \	/olume:	1.0	Gal / L
Depth to Wa	ater From MF	Þ:	22.26	ft		Total Purge	Volume:	1.3 Gal/L	
Water Colu	mn Length:		15.14	ft		Max Drawo	lown:	Nh	ft
Well Water	Volume:		2.42	Gal / L	1330	Totał Drawd	own:	0.68	ft
Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	14:09	22.95	100	5.57	1.30	1577	2/4	2,11	14
2	14:10	2 2.94	100	5.84	1350	19.10	216	2.64	2.5
3	14:71	22.95	100	5,83	1330	19.05	207	2.56	3.3
4		-							
5 -									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		Hori	P.			Day or a			
Field Meter:		PION	02			Well Integri		Yes	No
						Well has ID		V	-
Sample App						Casing lock		,	/
Odor: 4	None 🗆	Slight	Mod. □	Strong		Well cap fits	securely	V,	
Color [None	Slight	Mod. □	Strong		Good seal/d	rainage	1	
Turb:	None 🗆	Slight	Mod □	Strong		Well has we	ep holes	V	
BOTTLE IN	FORMATION	N:							
		tered				Filte	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	0mL, HCL)				Metals (P,250	mL, HNO3)		
	VOAS (C,V, 4	10mL)				Ammonia (P,	250mL, H2S0	4)	
	Organics (A,C	3,U 1000mL)		. 4	i	General (P,50	l0mL)		
	Organics (A,C								
	TOC (A,V 40r								
-	TOX (A,G 250								
1	Metals (P,250								
		50mL, NaOH)							
		,250mL, H2SC)4)			-		_	
	General (P, 2	50 ML)							
			-			_			
Comments	1.10	(Final	DTW:	22	. 44 ft	
Comments	16						_		
					01/2	/11			
			Sampler's S	ignature:	MIN	M			

WELL/SAM	IPLE POINT	G	60L			Method:	16W-f	low	
Date:	7-20	-23	_ Start Time:	13:2	7	_ Finish/Sa	ample Time	14'-	∤]
Well Depth	(Bottom) Fro	om MP:	27.00			Min. Purge \	/olume:	1,0	Gal / L
Depth to W	ater From M	P:	12.20			Total Purge	Volume:	1.7	Gal / L
Water Colu			1	14.9	30	Max Drawd		-	fl
Well Water	_		7.36	Gal / L		Total Drawd		1 1	ft
TTOII TT LICE	Toldino.			Oai / L		TOTAL DIAWO	OWII.	_000	
Reading	Time	Depth	Flow Rate	рН	Spec Cond		ORP	DO	Turb
(Units)	4-2-1113	(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	13,42	11.0	100	5 86	899	19.01	20	7.91	241
2	13:43	14:18	100	5.84	898	18.97	23	3.01	20.5
3	13:44	14:30	100	5.82	887	18.86	86	3.09	17.9
4	_							-	
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		HOU	CI'Ra			has no e		T T	
Field Meter:		110	Du		-	Well Integri		Yes	No
Sample App	ograpoo:					Well has ID		1/	
	/			•		Casing locke		1	
Odor: 4	Mone [Slight □	Mod. □	Strong		Well cap fits	securely.	IV/	
Color 13	Mone [∃Slight □	Mod. □	Strong		Good seal/di	rainage	V,	
Turb: 🕎	None 🗆	Slight 🗆	Mod □ S	Strong		Well has we	ep holes	1	
BOTTLE IN	FORMATIO	N:							
	Unfi	Itered				Filte	red		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	10mL, HCL)			1	Metals (P,250	mL, HNO3)		
	VOAS (C,V,					Ammonia (P,2			
		G,U 1000mL)			1	General (P;50			
	Organics (A,				3	TOCA	WO,M	·L	
-3	TOC (A,V 40)					1	- /		
		0mL, H2SO4)							
	Metals (P,250							-	
		50mL, NaOH				_			
		,250mL, H2S0							
F .		50 mL) 100	1011						
1	2.5	11100	2			-	10	~	
Comments	DIS	Nos	1-	1.2 A	Final	DTW:	17,1	<u>)</u> ft	
			1	1					
			Sampler's Si	onature:	He	un	/		

ftftft	Volume: Volume: down:	Min. Purge \ Total Purge Max Drawo		ft ft	Start Time: 39.20 27.63	om MP:		Date:		
## Gal (C) ### ft ### 6.45 ft DO Turb (mg/L) (NTU)	Volume: down: own:	Total Purge		ft			Bottom) Fro			
ftft	down:	Max Drawo			24.63					
c. 45 ft DO Turb (mg/L) (NTU)	own:					P:	ter From Mi	Depth to Wa		
DO Turb		Total Drawd		π	14,57		n Length:	Water Colum		
(mg/L) (NTU	ORP	Total Drawdown:			8.82		/olume:	Well Water \		
(mg/L) (NTU		Temp	Spec Cond	Нg	Flow Rate	Depth	Time	Reading		
	(mV)		(umhos/cm)	(s.u.)	(mL/min)	(ft.)		(Units)		
	-34.6	22.15	957.30	6.65	100	15.72	1356	1		
	-34.6	22,08	961.34	6.66	100	25.78	1358	2		
1	-35.6	22.01	962.60	6.66	100	25.75	1359	3		
							~	4		
								5		
± 10% or 0.2 NA	± 20	± 0.2	± 3%	± 0.2	NA	NA	NA	Stabilization		
					11 1 and	1				
Yes No		Well Integri			111 600	ield Meter: Raustrell 600				
- /		Well has ID								
3 /	ad/secure	Casing locke						Sample Appe		
1. /	securely.	Well cap fits	_	Strong				Odor: 📈		
1	rainage	Good seal/d	_	Strong	Mod. 🗅 🤅	rSlight □	None 🗡	Color 🗆		
	ep holes	Well has we		Strong	¹Mod □ \$	Slight 🔀	None □	Turb:		
						N:	ORMATIO	BOTTLE INF		
	ered	Filte				tered				
		Bottles	Qty				3ottles	Qty I		
3)	mL, HNO3)	Metals (P,250				0mL, HCL)	/OAs (C,V, 4	\		
		Ammonia (P,2					/OA\$ (C,V, 4			
		General (P,50				3,U 1000mL)	Organics (A,C	C		
		Toc	3			3,U 500mL)	Organics (A,C			
						nL, H2SO4)	ГОС (A,V 40r	3		
						OmL, H2SO4)	FOX (A,G 250			
							Metals (P,250	-		
						50mL, NaOH)				
					04)	,250mL, H2SC				
							General (P, 2	()		
							92.5L H			
1	rainage ep holes ered	Good seal/d Well has we Filte Bottles	Qty	Strong	Mod. 🗅 :	rSlight □ Slight ✓ N: tered	None D None Unfil	Color Turb: BOTTLE INF		

WELL/SAM	PLE POINT	G6	34L		Purge I	Method:	baile	<i>C</i>	
Date:	7/27	123	Start Time:	_11:00)	Finish/Sa	ample Time	12°C)(0
Well Depth	(Bottom) Fro	om MP:	30.46	ft		Min. Purge	Volume:	1.0	Gal (
Depth to W	ater From M	P:	22.80	ft		Total Purge	Volume:	10	Gal(/L)
Water Colu	mn Length:		7.66			Max Drawo	down:		ft
Well Water			4.04			Total Drawd		1.42	ft
Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)	111-70	(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	11:33	23.29		7.05	920.00	19.77	116.6	3.71	315.31
2	1		1	1	1		1	1	
3	1		1	1	N.	1	1	1	1
		1		1	1	1	1	1	1
4	1	1		-	-	1	1	1	-
5	1	-	1	1	1		1	1	1
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter	:	Flavo	Month	000	-	Well Integri		Yes	No
Sample Ap	pearance:					Casing lock		VI	
		∃ Slight □	Mod. □	Strong				VI	
		1			-	Well cap fits		1/	
Color [None N	ZStight □	Mod. □	Strong		Good seal/d	Irainage	V /	
Turb:	None E	Slight 🕡	Mod □	Strong		Well has we	ep holes		
BOTTLE IN	IFORMATIO								1
		Itered					ered		
Qty	Bottles	40ml HCL)		Y	Qty	Bottles	MI LINOS)		
	VOAs (C,V,			1		Metals (P,250 Ammonia (P,		14)	
-		G,U 1000mL)			i	General (P,56		J-+)	
	Organics (A,		"		3		40mL		
3		mL, H2SO4)							
	TOX (A,G 25	i0mL, H2SO4)							
1		0mL, HNO3)							
		250mL, NaOH)							
*		3,250mL, H2SC							
	1	2 50 mL)- 1L							
	rad	2,56				4.5.3.b.	74	.22 #	l
					Final	DTW:		. 42 ft	
Comments		216	15688	5	oluble	(non .	009	ppm	
			10+ U	Daran	water	for s	Sibmer	SIDLL	
				J					
			Sampler's S	ignature:					

WELL/SAN	PLE POINT	G6	45		Purge !	Wethod:	Blada	er Pump	3
Date:	7/2	5/23	Start Time:	150	5		-	162	
Well Depth	(Bottom) Fro	m MP:	39.50	ft		Min. Purge	Volume:	1.0	Gal(L)
Depth to W	ater From Mi	P:	24.18	ft		Total Purge	Volume:		Gal / L
Water Colu	mn Length:		15,32	ft		Max Drawo	down:		ft
Well Water	_		0 0 -	Gal		Total Drawd			ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1320	2487	100	6.80	19636	17.35	37.6	2.16	14.29
2	1521	2486	100	681	701.48	1731	-377	2.20	10.80
3	1922	2486	100	1.80	1051	1777	-38.4	9 11	9 92
	1166	2700	100	0.02	02.31	1122	201	211	[112
4									_>_
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Ciald Mater		1-1	600	,		144. U 1-4			
Field Meter		7	000			Well Integri Well has ID		Yes	No
Sample Ap	nearance:					Casing lock		1	
1.00	/	Clinks III	Mad =	Channe					
	/			Strong		Well cap fits	securely.		
Color 🗴	None □	Slight □	Mod. □	Strong		Good seal/d	rainage	7	
Turb:	LNone □	Slight	Mod □	Strong		Well has we	ep holes	X	
BOTTLE IN	FORMATION								
•		tered				Filte	ered		
Qty	Bottles	0-1 (101)			Oty	Bottles			
	VOAs (C,V, 4 VOAS (C,V, 4					Metals (P,250			
	Organics (A,C					General (P,50	250mL, H2S04	+)	
	Organics (A,C				3	Tac	JOINE)		
3	TOC (A,V 40r								
	TOX (A,G 250	OmL, H2SO4)							
1	Metals (P,250	mL, HNO3)							
		50mL, NaOH)							
-		,250mL, H2SC	04)						
- 1	General (P, 2	50 mL)							
	Rad	5127							
Comments	Ferra	ous In	n - 1.	590	Final	DTW:	25.0:	<u> ft</u>	
					1	- 1	NP K	2/	
			Sampler's S	ignature:	10	COLA	11/6	aeM	
					X	0			
					1.1				

WELL/SA	AMPLE POINT X301 Pu	mp House	Purge Method: Le	achite	pray 1	
Date:	7-10-23	Start Time: 14:53	Finish/Sample	Time:_	1512	_

Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1511	1		6.77	5330,3	20,69	18,1	1.86	17.38
	_	-	+						
Stabilization	NA	/ NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA

Field Me	eter:	He	BIBI	_KL	
Sample	Appearance:	AT	600		
Odor:	✓ None	□ Slight	□ Mod.	☐ Strong	
Color	None	□ Slight	□ Mod.	□ Strong	
Turb:	None	□ Slight	□ Mod	☐ Strong	

BOTTLE INFORMATION:

	Unfiltered
Qty	Bottles
	VOAs (C,V, 40mL, HCL)
	VOAS (C,V, 40mL)
	Organics (A,G,U 1000mL)
	Organics (A,G,U 500mL)
3	TOC (A,V 40mL, H2SO4)
	TOX (A,G 250mL, H2SO4)
-{	Metals (P,250mL, HNO3)
	Cyanide (P, 250mL, NaOH)
	Phenols (A,G,250mL, H2SO4)
1	General (P, 250 mL)
(PZISL HINUS

aty	Filtered
1	Metals (P,250mL, HNO3)
	Ammonia (P,250mL, H2S04)
1	General (P,500mL)
3	Toc

Ferrous Iron -

mg/L

Comments	Solyble	Iron	= 0,142 ppm		
			Sampler's Signature	: Howe	

APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEM DICK CREEK POWER PLANT, GYPSUM PLANT

Date:	7-25	-23	Start Time:	15.5	9	Finish/Sa	mple Time	: 1b: 0	6_
			,						
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU
1	1602	/		5.85	5,500	23.34	96	2,76	0
	-		1		-				
Stabilizatio	NA	NA	/ NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
ample Ap	pearance:		Mod. 🗆	Strong	5				
Sample Ap Odor: [Color []	pearance: None □	Slight □	Mod. Mod.	Strong Strong Strong					
Sample Ap Odor: [Color [Turb: [None None None None None	Slight □ Slight □ Slight □	Mod. Mod.	Strong					
Color d	None Slight □ Slight □ Slight □	Mod. Mod.	Strong	-	Filter	red			
Sample Ap Odor: [Color [Turb; [None None Domination	Slight Mod. Mod.	Strong	Qty	Bottles				
Sample Ap Odor: [Color d Turb: E	None Unfilte Bottles VOAs (C,V, 40	Slight Mod. Mod.	Strong	-	Bottles Metals (P,250r	nL, HNO3)	04\		
Sample Ap Odor: [Color d Turb: E	None None Domination	Slight Slight Slight Slight Characteristics	Mod. Mod.	Strong	-	Bottles	nL, HNO3) 50mL, H2S	04}	
iample Ap Odor: [Color d Turb: [None Unfilte NOAS (C,V, 40	Slight Slight Slight Slight Compared Sight S	Mod. Mod.	Strong	-	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S	04)	
ample Apodor: [Solor Burb: E	None Unfilte Bottles VOAS (C,V, 40 Organics (A,G TOC (A,V 40m	Slight Mod. Mod.	Strong	-	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S	04)		
ample Apodor: [Solor Burb: E	None Unfilte Bottles VOAS (C,V, 40 VOAS (C,V, 40 Organics (A,G Organics (A,G TOC (A,V 40m TOX (A,G 250	Slight Mod. Mod.	Strong	-	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S	04}		
ample Apodor: [color displaying the color displayi	None Unfilte FORMATION Unfilte Bottles VOAS (C,V, 40 VOAS (C,V, 40 Organics (A,G Organics (A,G TOC (A,V 40m TOX (A,G 2500 Metals (P,250r	Slight Mod. Mod. Mod. S	Strong	-	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S	04)		
iample Ap Odor: [Color d Turb: [None Unfilte Bottles VOAS (C,V, 40 VOAS (C,V, 40 Organics (A,G Organics (A,G TOC (A,V 40m TOX (A,G 250	Slight Mod. Mod. Mod. S	Strong	-	Bottles Metals (P,250r Ammonia (P,2	nL, HNO3) 50mL, H2S	04)		

Comments

Sampler's Signature: YAM

V Oi	W				Location	Vist	va Ou	Uh Creat	1	
		wind NN	W5	mpi	Environment	P				
r Water Meter	Make:	Aquatroll	М	odel:	(000)	Seri	al Number:	486944	4	
vel Meter	Make:	Heron	М	odel:	dipper	Seri	al Number:			NL
Check Value	Units	Range	Pas	s/Fail	Calibrate?	Adjust	ed Reading	Manufacturer	Lot#	Ехр.
4.00	s.u.	±0.1 s.u.			NO	N	IIA	MSI	L344-09	12/14/2023
7.05	s.u.	±0.1 s.u.		1	-1		1.	MSI .	L343-07	12/9/2023
10,05	s.u.	±0.1 s.u.						MSI	M082-04	3/25/2024
	μS/cm	0<25 μS/cm						Pace Labs	N/A (DI)	N/A (DI)
1973.3	μ5/cm	±5%						Geotech	3GA1071	Jan-24
7-23.3	mV	±15 mV		1				InSitu	261762	Jun-23-
) Land 10 C 1		±0.1						Macron	#000228049	8/26/2025
	%	97-100%		1				Pace Labs	N/A (DI)	N/A (DI)
0.00	NTU	<2 NTU		1				Pace Labs	N/A (DI)	N/A (DI)
rs, unless only on	e well									
(Initial Calibr	ation V	erification)			Time	09:	20			
Check Value	Units	Range	Pas	s/Fail	Acti	n Taken	?	Manufacturer	Lot#	Exp.
	s.u.	±0.15 s.u.	80	155	1	AIL		Geotech	2GE870	Mar-24
	s.u.	±0.15 s.u.		i		1		Geotech	2GC931	Mar-24
	s.u.	±0.15 s.u.		1				Geotech	2GE820	May-24
980,40	μS/cm	±5%		1		T		Ricca	4207N97	Jul-24
ors, unless only on	e well									
ed Calibration	Verific	ation):			Time:	15	46			
Check Value	Units	Range	Pas	s/Fail	Calibrate?	Adjust	ed Reading	Manufacturer	Lot#	Exp.
4.10	s.u.	±0.1 s.u.	04	火	N-		M	MSI	1344-09	12/14/2023
7.08	s.u.	±0.1 s.u.	9		1	-	1	MSI	L343-07	12/9/2023
9.99	5.U.	±0.1 s.u.					1	MSI	M082-04	3/25/2024
947.210	μS/cm	±5%						Ricca	4207N97	Jul-24
0.06	mg/L	±0.1 mg/L						Macron	#000228049	8/26/2025
0.00	NTU	<2 NTU	1		7		L	Pace Labs	N/A (DI)	N/A (DI)
rrs, unless only on	e well									
ed Calibration	Verific	:ation):			Time	:				
Check Value	Units	Range	Pa:	ss/Fail	Calibrate?	Adjust	ed Reading	Manufacturer	Lot#	Ехр.
1	5.4.	±0.1 s.u.			1			MSI	L344-09	12/14/2023
	5.U,	±0.1 s.u.	1			1		MSI	L343-07	12/9/2023
	s.u.	±0.1 s.u.	1			1		MS]	M082-04	3/25/2024
	μS/cm	±5%		1	1		1	Ricca	4207N97	Jul-24
				1			1	Macron	#000228049	8/26/2025
	mg/L	±0.1 mg/L		1	1				HOUGEEGOAS	01 501 5057
	cr Water Meter Check Value 100 100 100 100 100 100 100 1	The water Meter Make: The well Meter Make: The water Make: Maker Mak	rewater Make: HQVOY vel Meter Make: HQVOY Check Value Units Range 9.00 s.u. ±0.1 s.u. 1.00 μS/cm 0<25 μS/cm 19.13 μS/cm ±15 mV 10.10 mg/L ±0.1 97.35 % 97-100% NTU <2 NTU vers, unless only one well vel Calibration Verification): Check Value Units Range 10.15 s.u. 10.15	Water Meter Make: HQVOY Make: HQVOY	rewater Make: HQVOV Model: Vel Meter Make: HQVOV Model: Check Value Units Range Pass/Fail S.u. ±0.1 s.u. (α5\s) s.u. ±0.1 s.u. D.	r Water Meter Make: AQUATY 0 Model: COO Model: Cooper Mo	re Water Meter Make: AQUITO Model: GOO Series Well Meter Make: Heyoy Model: GIPPET Series Well Well Meter Make: Heyoy Model: GIPPET Series Well Well Well Meter Meter Make: Heyoy Model: GIPPET Series Well Well Well Well Well Well Well We	r Water Meter Make: AQUATY D Model: Apper Serial Number: Vel Meter Make: Heyoy Model: Apper Serial Number: Check Value Units Range Pass/Fail Calibrate? Adjusted Reading 4.010 s.u. ±0.1 s.u. 6655 NO NIA ±0.1 s.u. ±0.1 s.u. 10.1	rewater Make: HQVOY Model: LOO Serial Number: LICEGIL vel Meter Make: HQVOY Model: LOO Serial Number: LIFF 220 Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer LOO S.U. ±0.1 S.U. (RASS NO NIA MSI LOO S.U. ±0.1 S.U. (RASS NO NIA MSI LOO JAPACE LABS MSI MSI MSI MSI MSI MSI MSI M	Make: Make

Field Personnel:	D \	- [- 01		Location:	010	1 1	71	L.
rielu reisolillei.	purydan 1	Tlen	000			Juck Co	cer tou	er 290	Tion
Weather:	70° Ci	ride	3 moh 1	W	Environment:	Gross fie	101		
Multiparameter	Water Meter	Make:	AQ	Model:	600	Serial Number:	76	2193	
Water Lev	el Meter	Make:	Hean	Model:	2004).	Serial Number:	19FF211	119246	3
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	4.05	s.u.	±0.1 s.u.	9	N	NEA	MSI	023067-01	3/14/2025
H 7.00a	6,96	s.u.	±0.1 s.u.	1		1	MSI	023051-02	2/21/2025
H 10.00a	9.91	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
C Zero (DI)	5.38	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
C 2000	1950.5	µS/cm	±5%				Geotech	3GA1071	jan-24
ORP	221.0	mV	±15 mV				InSitu	3GD927	Jan-24
O (Zero pt)	0.07	mg/L	±0.1				Macron	#000228049	8/26/2025
O (Saturated)	99.77	%	97-100%			,	Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0.0	NTU	<2 NTU	-	1		Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 hr	s, unless only on	e well							
	(Initial Calibr		erification)		Time:	6919			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
H 4.00b	405	s.u.	±0.15 s.u.	P	N/	A	Geotech	2GE870	May-24
H 7.00b	(83	s.u.	±0.15 s.u.	F	V-	7.60	Geotech	2GF113	Jun-24
H 10.00b	9.35	s.u.	±0.15 s.u.	0	N/	A	Geotech	2GE820	May-24
C 1000	1012.6	μS/cm	±5%	1	101		Ricca	4209A12	Aug-23
Approx. every 4 hi		e well							
CCV (Continue		_	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	1	s.u.	±0.1 s.u.		1	1	MSI	023067-01	3/14/2025
H 7.00a	1	s.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
H 10.00a	1	s.u.	±0.1 s.u.		1		MSI	022361-01	12/27/2024
C 1000		μS/cm	±5%		1		Ricca	4209A12	Aug-23
OO (Zero pt)	1	mg/L	±0.1 mg/L		1	1	Macron	#000228049	8/26/2025
Turbidity (DI)	1	NTU	<2 NTU		1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unless only on								
CCV (Continue			ation):		Times]		
	Check Value	_		Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.		1		MSI	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
0.00a	1	s.u.	±0.1 s.u.		1		MSI	022361-01	12/27/2024
C 1000	1	μS/cm	±5%	1			Ricca	4209A12	Aug-23
OO (Zero pt)	1	mg/L	±0.1 mg/L	1	1		Macron	#000228049	8/26/2025
urbidity (DI)	1	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Comments:	oly	lu	Ilac		,				
Signature:	Brue		121		Date	7/18	/22		

Field Personnel	Kyle	LOW	1			Location:	01	CE	(sces	5	
Weather:	810	SV	NA In			Environment:	DC	Vi			
Multiparamete	Water Meter	Make:	Morison	Mod	đel:	U-5 cas	Serial	Number:	PW	Carro	7
Water Lev	el Meter	Make:	Meron	Mod	del:	WATER	Serial	Number:	19 FF	- 2	1192
Buffer	Check Value	Units	Range	Pass/	Fail	Calibrate?	Adjusted	Reading	Manufacturer	Lot#	Exp.
H 4.00a	348	S.U.	±0.1 s.u.	-		905	3.	92	MSI	L344-09	12/14/2023
H 7.00a 6.70	- h 76	s.u.	±0.1 s.u.	F		yes	6.	95	MSI	L343-07	12/9/2023
l 10.00a	9,99	s.u.	±0.1 s.u.	P		Ner	1	101	MSI	M082-04	3/25/2024
C Zero (DI)	20,10	μS/cm	0<25 μS/cm						Pace Labs	N/A (DI)	N/A (DI)
2000	2030	μS/cm	±5%						Geotech	3GA1071	Jan-24
RP .	214	m۷	±15 mV						InSitu	2G1762	Jun-23
) (Zero pt)	0.08	mg/L	±0.1						Macron	#000228049	8/26/2025
O (Saturated)	97.60	%	97-100%	17					Pace Labs	N/A (DI)	N/A (DI)
rbidity (DI)	0	NTU	<2 NTU	10	2	V	11	2	Pace Labs	N/A (DI)	N/A (DI)
	s, unless only on								1		
	(Initial Calibr	ation V	erification)			Time:					
Buffer	Check Value	Units	Range	Pass/	Fail	Actio	n Taken?		Manufacturer	Lot#	Exp.
14.00b	3.89	5.U.	±0.15 s.u.	P	,	N	A		Geotech	2GE870	Mar-24
7.00b	6.87	s.u.	±0.15 s.u.						Geotech	2GC931	Mar-24
10.00b	9.88	s.u.	±0.15 s.u.						Geotech	2GE820	May-24
1000	1.010	µS/cm	±5%		P	1	2		Ricca	4207N97	Jul-24
	s, unless only on	_									
CV (Continue	d Calibration	Verific	ation):			Time:	N	2			
Buffer	Check Value	Units	Range	Pass/	Fail	Calibrate?	Adjusted	Reading	Manufacturer	Lot#	Exp.
1 4.00a	/	s.u.	±0.1 s.u.		1			/	MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.					/	MSI	L343-07	12/9/2023
10.00a		5.u.	±0.1 s.u.	1/			/		MSI	M082-04	3/25/2024
1000		μ5/cm	±5%	1/					Ricca	4207N97	Jul-24
O (Zero pt)	/	mg/L	±0.1 mg/L	/		1	/		Macron	#000228049	8/26/2025
rbidity (DI)		NTU	<2 NTU	1					Pace Labs	N/A (DI)	N/A (DI)
	s, unless only on					/		-	1		
CV (Continue		_				Time:	101	14			
	Check Value	Units		Pass/	Fail		Adjusted	Reading	Manufacturer	Lot#	Exp.
600	4.09	s.u.	±0.1 s.u.	1		Me	/	1 W	MSI	L344-09	12/14/2023
00a.	6.97	5.U.	±0.1 s.u.	17				-	MSI	L343-07	12/9/2023
.00a	10.01	S.U.	±0.1 s.u.	-				-	MSI	M082-04	3/25/2024
1000	1010	μS/cm	±5%	1					Ricca	4207N97	Jul-24
(Zero pt)	0.04	mg/L	±0.1 mg/L	1/	/	11		1	Macron		8/26/2025
rbidity (DI)	0	NTU	<2 NTU	1			1	/	Pace Labs	N/A (DI)	N/A (DI)
omments:	1/2	_									
	/ /	1	'La		- 2-					-	

Remberton Location	1: DUCK	Week		
sont ME 300 Environment	ti grace	creek tist dus	· L	
Make: A 7 Model: 600	Serlal Number	/	215	_
Make: Heron Model: Dippert	Serial Number		17-	<i>—</i>
e Units Range Pass/Fail Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
s.u. ±0.1 s.u. P No.	NA	MSI	L344-09	12/14/2023
s.u. ±0.1 s.u.		MSI	L343-07	12/9/2023
s.u. ±0.1 s.u.		MSI	M082-04	3/25/2024
μS/cm 0<25 μS/cm		Pace Labs	N/A (DI)	N/A (DI)
? μ5/cm ±5%		Geotech	3GA1071	Jan-24
mV ±15 mV		InSitu	261762	lun-23
mg/L ±0.1		Macron	#000228049	8/26/2025
% 97-100%		Pace Labs	N/A (DI)	N/A (DI)
NTU <2 NTU	上	Pace Labs	N/A (DI)	N/A (DI)
one well		2210	1500	
bration Verification) Time	0925			
e Units Range Pass/Fail Acti	ion Taken?	Manufacturer	Lot#	Exp.
s.u. ±0.15 s.u.	NA.	Geotech	2GE870	Mar-24
s.u. ±0.15 s.u.	1	Geotech	2GC931	Mar-24
s.u. ±0.15 s.v.		Geotech	2GE820	May-24
μS/cm ±5%	L	Ricca	4207N97	Jul-24
one well				
on Verification): Time:	1500			
e Units Range Pass/Fail Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
s.u. ±0.1 s.u.	MA	MSI	L344-09	12/14/2023
s.u. ±0.1 s.u.		MSI	L343-07	12/9/2023
s.u. ±0.1 s.u.		MSI	M082-04	3/25/2024
7 μS/cm ±5%		Ricca	4207N97	Jul-24
mg/L ±0.1 mg/L		Macron	#000228049	8/26/2025
NTU <2 NTU	-	Pace Labs	N/A (DI)	N/A (DI)
one well	,	7		
on Verification): Time				
e Units Range Pass/Fail Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
s.u. ±0.1 s.u.	1	MSI	L344-09	12/14/2023
5.u. ±0.1 s.u.	\	MSI	L343-07	12/9/2023
s.u. ±0.1 s.u.		MSI	M082-04	3/25/2024
		Ricca	4207N97	Jul-24
μS/cm ±5%		Macron	#000228049	8/26/2025
μS/cm ±5% mg/L ±0.1 mg/L NTU <2 NTU	-	Pace Labs	N/A (DI)	

	Acros	Pe	mberton			Location:		WELL	calk		
Weather	710-660	f so	mryse Gr	ph		Environment:	v	100 FC	Furm	C:elt	
Multiparamete	er Water Meter	Make:			lodel:	600		ial Number:	4		
Water Le	vel Meter	Make:	Heran	м	lodel:	Diagra 7	Ser	ial Number:	371-	1-7	
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibrate?	Adiust	ed Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	14-03	s.u.	±0.1 s.u.	1	P	NO		14	MSI	L344-09	12/14/2023
pH 7.00a	6.96	s.u.	±0.1 s.u.			1			MSI	L343-07	12/9/2023
pH 10.00a	2.02	s.u.	±0.1 s.u.		1				MSI	M082-04	3/25/2024
SC Zero (DI)	16.11	μS/cm	0<25 μS/cm	\vdash					Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1697.H	μS/cm	±5%		1				Geotech	3GA1071	Jan-24
ORP	225.6	mV	±15 mV			1			InSitu	3G1762	Jun 23
DO (Zero pt)	0,00	mg/L	±0,1			1			Macron	#000228049	
DO (Saturated)	00.33	%	97-100%						Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	06.00	NTU	<2 NTU		~-	y	-	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	e well							230 €	2-4°C	
ICV	(Initial Calibr	ation V	erification)			Time:	04	5.5			
Buffer	Check Value	Units	Range	Pas	s/Fail	Actio	n Taken		Manufacturer	Lot#	Ехр.
H 4.00b	11.01	s.u.	±0.15 s.u.		P		JA		Geotech	2GE870	Mar-24
H 7.00b	6.46	s.u.	±0.15 s.u.		,				Geotech	2GC931	Mar-24
H 10.00b	0.47	s.u.	±0.15 s.u.				1		Geotech	2GE820	May-24
SC 1000	766.07	μS/cm	±5%		1		-		Ricca	4207N97	Jul-24
, ,	rs, unless only or										
CCV (Continue	ed Calibration	Verifica	ition):			Time:	15	30			
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibrate?	Adjust	ed Reading	Manufacturer	Lot#	Exp.
H 4.00a	4.06	5.U.	±0.1 s.u.	1	9	NO	1	VIA	MSI	L344-09	12/14/2023
71-71000	~ 12	s.u.	±0.1 s.u.	/		/			MSI	L343-07	12/9/2023
	7.03		±0.1 s.u.						MSI	M082-04	3/25/2024
oH 7.00a	10.09	S.U.	20.1 3.0.	\rightarrow				/	Ricca	4207N97	Jul-24
рН 7.00a рН 10.00a SC 1000	10.09	s.u. μS/cm	±5%								
oH 7.00a oH 10.00a GC 1000 DO (Zero pt)	10.09	μS/cm mg/L	±5% ±0.1 mg/L						Macron	#000228049	8/26/2025
oH 7.00a oH 10.00a 6C 1000 DO (Zero pt) Furbidity (DI)	0.00	μS/cm mg/L NTU	±5%				4		Macron Pace Labs		8/26/2025 N/A (DI)
oH 7.00a oH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h	10.04 100 4.8 0.00 0.00 rs, unless only on	μS/cm mg/L NTU ne well	±5% ±0.1 mg/L <2 NTU				_ 4		-		
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) Furbidity (DI) Approx. every 4 h	10.04 1004.8 0.001 0.00 rs, unless only oned Calibration	μS/cm mg/L NTU ne well	±5% ±0.1 mg/L <2 NTU			Time:	-		-		
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue Buffer	10.04 100 4.8 0.00 0.00 rs, unless only on	μS/cm mg/L NTU ne well	±5% ±0.1 mg/L <2 NTU	Pas	s/Fail	Time:	Adjust	ed Reading	-		
oH 7.00a oH 10.00a oC 1000 OO (Zero pt) Furbidity (DI) Approx. every 4 h CCV (Continue Buffer	10.04 1004.8 0.001 0.00 rs, unless only oned Calibration	μS/cm mg/L NTU e well Verifica	±5% ±0.1 mg/L <2 NTU	Pas	s/Fail		Adjust		Pace Labs Manufacturer MSI	N/A (DI)	N/A (DI)
oH 7.00a oH 7.00a oH 10.00a oC 1000 OO (Zero pt) Furbidity (DI) Approx. every 4 h CCV (Continue Buffer 1.00a	10.04 1004.8 0.001 0.00 rs, unless only oned Calibration	μ5/cm mg/L NTU e well Verifica Units	±5% ±0.1 mg/L <2 NTU ation):	Pas	s/Fail		Adjust		Pace Labs Manufacturer	N/A (DI)	N/A (DI) Exp.
oH 7.00a oH 7.00a oH 10.00a oC 1000 OO (Zero pt) Furbidity (DI) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a	10.04 1004.8 0.001 0.00 rs, unless only oned Calibration	μS/cm mg/L NTU we well Verifica Units s.u. s.u. s.u.	±5% ±0.1 mg/L <2 NTU stion): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pas	s/Fail		Adjust	ed Reading	Pace Labs Manufacturer MSI	N/A (DI) Lot# L344-09	N/A (DI) Exp. 12/14/2023
oH 7.00a oH 7.00a oH 10.00a oC 1000 oO (Zero pt) Furbidity (DI) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a 10.00a	10.04 1004.8 0.001 0.00 rs, unless only oned Calibration	μS/cm mg/L NTU e well Verifica Units s.u. s.u.	±5% ±0.1 mg/L <2 NTU ition): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pas	s/Fail		Adjust	ed Reading	Pace Labs Manufacturer MSI MSI	Lot# L344-09 L343-07	Exp. 12/14/2023 12/9/2023
oH 7.00a oH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue	10.04 1004.8 0.001 0.00 rs, unless only oned Calibration	μS/cm mg/L NTU we well Verifica Units s.u. s.u. s.u.	±5% ±0.1 mg/L <2 NTU stion): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pas	s/Fail		Adjust	ed Reading	Pace Labs Manufacturer MSI MSI MSI	Lot# L344-09 L343-07 M082-04 4207N97	Exp. 12/14/2023 12/9/2023 3/25/2024

Weather:	0 0				Location:	Duch	(reet		
Multiparameter	200000	wind	ESE LIMPH	75-88	Environment:	Grass			
		Make:	4 quatroil	Model:	1000	Serial Number:	48100	144	
Water Lev	el Meter	Make:	Haron	Model:	dipper	Serial Number:	11FF2	2093	05MZ
Buffer.	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	4.00	s.u.	±0.1 s.u.	P	RI	N/A	MSI	L344-09	12/14/2023
H 7.00a	1.01	s.u.	±0.1 s.u.	8	1	1	MSI	L343-07	12/9/2023
H 10.00a	993	s.u.	±0.1 s.u.	P			MSI	M082-04	3/25/2024
C Zero (DI)	0.00	μS/cm	0<25 μS/cm	D	-		Pace Labs	N/A (DI)	N/A (DI)
C 2000	1833.7	μS/cm	±5%	F	yes	200109	Geotech	3GA1071	Jan-24
ORP	220,4	mV	±15 mV	Y	°N	NIA	InSitu .	261762	lun-23
OO (Zero pt)	0.09	mg/L	±0.1	P	1	1	Macron	#000228049	8/26/2025
OO (Saturated)	97.3	%	97-100%	P			Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0.00	NTU	<2 NTU	0	-		Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 hr						70.00			
	(Initial Calibr				Time:	10:00			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
H 4.00b	4.00	s.u.	±0.15 s.u.	P	1		Geotech	2GE870	Mar-24
H 7.00b	0.88	s.u.	±0.15 s.u.	-	calibrate		Geotech	2GC931	Mar-24
H 10.00b	9.99	s.u.	±0.15 s.u.	P		J	Geotech	2GE820	May-24
C 1000	7800	μS/cm	±5%	F	calibrate	-1000a0	Ricca	4207N97	Jul-24
Approx. every 4 hr							1		
CCV (Continue	d Calibration	Verific	ation):		Time:	14:50			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	1 1	s.u.	±0.1 s.u.	F	3/5	9.00	MSI	L344-09	12/14/2023
H 7.00a	7017	s.u.	±0.1 s.u.	F	_WS	6.97	MSI	L343-07	12/9/2023
H 10.00a	9.97	s.u.	±0.1 s.u.	0	NI	NIA	MSI	M082-04	3/25/2024
C 1000	970	μS/cm	±5%	9	1	1	Ricca	4207N97	Jul-24
OO (Zero pt)	0.03	mg/L	±0.1 mg/L	Ø			Macron	#000228049	8/26/2025
urbidity (DI)	0.00	NTU	<2 NTU	P			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless omy or	e well							
CCV (Continue	_		ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading		Lot#	Ехр.
l.00a	1	s.u.	±0.1 s.u.		1		MSI	L344-09	12/14/2023
.00a		s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
0.00a		S.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
1000		μS/cm	±5%	1	1		Ricca	4207N97	Jul-24
OO (Zero pt)		mg/L	±0.1 mg/L	1			Macron	#000228049	8/26/2025
urbidity (DI)	1	NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Comments:		\							

		ipui		,,,,,,	TICIA CO	libration			
Field Personnel:	Brender	G	ennon		Location:	Duck C	neek		
Weather:	82° Most	ly Su	my 7mph	2E	Environment:	Gross Field			
Multiparameter	Water Meter	Make:	AguaTrall	Model:	600	Serial Number:	762193		
Water Lev	ei Meter	Make:	Herry	Model:	2004t Di	Serial Number:	19FF 21	111192	HB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	H.00	s.u.	±0.1 s.u.	0	7	N/A	MSI	023067-01	3/14/2025
oH 7.00a	6.97	s.u.	±0.1 s.u.	9	2	NIA	MSI	023051-02	2/21/2025
oH 10.00a	9.99	s.u.	±0.1 s.u.	6	2	N/A	MSI	022361-01	12/27/202
C Zero (DI)	0.65	µS/cm	0<25 µS/cm	18	N	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1768.6	μS/cm	±5%	F	Y	0.0026	Geotech	3GA1071	Jan-24
ORP	205.1	mV	±15 mV	F	100 PEGY	229.0	InSitu	3GD927	Jan-24
DO (Zero pt)	0.04	mg/L	±0.1	0	No residence	N/A	Macron	#000228049	8/26/2025
DO (Saturated)	97,78	%	97-100%	P	l/s	N/A	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.78	NTU	<2 NTU	D	1,	N/A	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr			-	1 1	10	1077		1:4:(24	114774 2.4
	(Initial Calibr		erification)		Time:	0930			
				Dans (Fail			Manufacture.	T	
Buffer	Check Value	Units	Range	Pass/Fail	ACTIO	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.04	s.u.	±0.15 s.u.		V	10	Geotech	2GE870	May-24
pH 7.00b	6.89	s.u.	±0.15 s.u.	0	N	1 -	Geotech	2GF113	Jun-24
pH 10.00b	4.96	S.U.	±0.15 s.u.	6	N	1	Geotech	2GE820	Maγ-24
SC 1000	1000000	μS/cm	±5%	P		1/K	Ricca	4209A12	Aug-23
Approx. every 4 hr			-42		-	110:0			
CCV (Continue					Time:	110.19			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.10	s.u.	±0.1 s.u.	0	N	N/A	MSI	023067-01	3/14/2025
pH 7.00a	10.93	S.U.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
pH 10.00a	9.91	s.u.	±0.1 s.u.		1	11000	MSI	022361-01	12/27/202
SC 1000	1128.1	μS/cm	±5%	F	UG	1000.0	Ricca	4209A12	Aug-23
DO (Zero pt)	0.09	mg/L	±0.1 mg/L	þ	70	NIA	Macron	#000228049	8/26/2025
Turbidity (DI)	12.20	NTU	<2 NTU	F	NO	NIA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr							1		
CCV (Continue	d Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	1	s.u.	±0.1 s.u.				MS!	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.	1			MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.				MSI	022361-01	12/27/202
SC 1000		µS/cm	±5%		1		Ricca	4209A12	Aug-23
DO (Zero pt)	1	mg/L	±0.1 mg/L		1		Macron	#000228049	8/26/2025
Turbidity (DI)	1	NTU	<2 NTU	,	-	1	Pace Labs	N/A (DI)	N/A (DI)
Comments: NO	turb cat	501	HON QVO	X(10/01	e	0			
Signature:	bor.	Ar.	Th		Date:	7/20	1/23		

Field Personnel:	kh/e	La	1/L		Location:	DUCK	Leck	Creck P.W.69103		
Weather:	930 9	01	0.1		Environment:	vet	<u> </u>			
Multiparameter	Water Meter	Make:	HoriBa	Mode	1: V-5000	Serial Number:	1			
Water Lev	el Meter	Make:	Heron	Mode	+afer	Serial Number:	19FF2202131N		131ML	
Buffer	Check Value	Units	Range	Pass/Fa	il Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.	
H 4.00a	4.06	S.U.	±0.1 s.u.	B	NA	1/Ch	MS!	L344-09	12/14/2023	
H 7.00a	7.03	s.u.	±0.1 s.u.		1	74	MSI	L343-07	12/9/2023	
pH 10.00a	10.05	S.u.	±0.1 s.u.				MSI	M082-04	3/25/2024	
SC Zero (DI)	13.0A	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)	
C 2000	2006	μS/cm	±5%				Geotech	3GA1071	Jan-24	
ORP	212	mV	±15 mV				InSitu	2G1762	Jun-23 —	
OO (Zero pt)	0,04	mg/L	±0.1				Macron	#000228049	8/26/2025	
OD (Saturated)	48.00	%	97-100%		/		Pace Labs	N/A (DI)	N/A (DI)	
urbidity (DI)	0	NTU	<2 NTU	10		10	Pace Labs	N/A (DI)	N/A (DI)	
pprox. every 4 hi	s, unless only on	e well								
ICV	(Initial Calibra	ation V	erification)		Time:	09:54				
Buffer	Check Value	Units	Range	Pass/Fa	il Actio	n Taken?	Manufacturer	Lot#	Exp.	
H 4.00b	4.07	s.u.	±0.15 s.u.	P	N.	en	Geotech	2GE870	Mar-24	
H 7.00b	7,02	s.u.	±0.15 s.u.	1			Geotech	2GC931	Mar-24	
H 10.00b	10.13	s.u.	±0.15 s.u.	1			Geotech	2GE820	May-24	
C 1000	1,000	µS/cm	±5%	10		0	Ricca	4207N97	Jul-24	
pprox. every 4 hr	s, unless only on	e well				/				
CV (Continue	d Calibration	Verific	ation):		Time:	No				
Buffer	Check Value	Units	Range	Pass/Fa	il Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.	
H 4.00a	/	s.u.	±0.1 s.u.		/	/	MSI	L344-09	12/14/2023	
H 7.00a		s.u.	±0.1 s.u.	1	/		MSI	L343-07	12/9/2023	
H 10.00a	1	s.u.	±0.1 s.u.	1	/	/	MSI	M082-04	3/25/2024	
C 1000		μS/cm	±5%	1			Ricca	4207N97	Jul-24	
OO (Zero pt)	/	mg/L	±0.1 mg/L	1		/	Macron	#000228049	8/26/2025	
Turbidity (DI)		NTU	<2 NTU /				Pace Labs	N/A (DI)	N/A (DI)	
pprox. every 4 hi	s, unless only on	e well		,	,					
CCV (Continue	d Calibration	Verific	ation):		Time:	15:29				
Buffer	Check Value	Units	Range	Pass/Fa	il Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.	
.00a	4 08	s.u.	±0.1 s.u.	P	Na	1/2	MSI	L344-09	12/14/2023	
00a	7.00	s.u.	±0.1 s.u.	1		1	MSI	L343-07	12/9/2023	
0.00a	10,05	S.U.	±0.1 s.u.				MSI	M082-04	3/25/2024	
C 1000	1010	μS/cm	±5%	1			Ricca	4207N97	Jui-24	
O (Zero pt)	0.04	mg/L	±0.1 mg/L	1			Macron	#000228049		
urbidity (DI)	0	NTU	<2 NTU	10	10	0	Pace Labs	N/A (DI)	N/A (DI)	
Comments:	NA								[1774(01)	
Signature:	The	0	4		Date:	7-70	-202	.3		

Field Personnel:	Agran	Ren	rbellor			Lo	ation:		DULLA	creek			
Weather:	10 50	0	SUNTY-IMP			Enviror	ment:	CAG	155.	Sint for	1.	40	
Multiparamete		Make:	H7	1	odel:	600	,	1	al Number:	739	14 419		
Water Lev	vel Meter	Make:	Heron	M	odel:	D:A	ec 1	Serl	al Number:		17-7		
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibra	ate?	Adjuste	d Reading	Manufacturer Lot#		Exp.	
H 4.00a	14.05	s.u.	±0.1 s.u.	6)	No	,	N	A	MSI	L344-09	12/14/2023	
H 7.00a	6.00	s.u.	±0.1 s.u.	14		1			1	MSI	L343-07	12/9/2023	
H 10.00a	9613	s.u.	±0.1 s.u.	1						MSI	M082-04	3/25/2024	
Zero (DI)	12.37	μS/cm	0<25 μ5/cm							Pace Labs	N/A (DI)	N/A (DI)	
2000	1945.6	μ5/cm	±5%							Geotech	3GA1071	Jan-24	
RP	223.4	mV	±15 mV							InSitu	2G1762	Jun-23	
O (Zero pt)	0.06	mg/L	±0.1							Macron		8/26/2025	
(Saturated)	99.67	96	97-100%			-			1	Pace Labs	N/A (DI)	N/A (DI)	
irbidity (DI)	0.00	NTU	<2 NTU	1	_	-	_		-	Pace Labs	N/A (DI)	N/A (DI)	
	rs, unless only on			_				-		227@	250	1.47. (21)	
	(Initial Calibr		erification)				Time:	001	20	1	25		
Buffer	Check Value	Units	Range	Pac	s/Fail			Taken		Manufacturer	Lot#	Evn	
14.00b	- 6	S.U.	±0.15 s.u.	1) an			MA		Geotech	2GE870	Exp.	
7.00b	W.02	S.U.	±0.15 s.u.	1	_			1		Geotech	2GC931	Mar-24	
10.00b	1.89	S.U.	±0.15 s.u.	+				+-		Geotech	2GE820		
1000		μS/cm	±5%	+				-		Ricca	4207N97	May-24	
	rs, unless only on		1576	-				-		Miced	420/145/	Jul-24	
	ed Calibration		ation):			т	ime:	150	Λ	7			
		1		Pas	4/Fp34					Manufacturer	1 - 1 - 1 - 1		
Buffer	Check Value	Units	Range	Pas	s/Fait	Calibr	0	Aujuste	ed Reading	T	Lot#	Exp.	
14.00a	4.07	S.U.	±0.1 s.u.	-	9	-/-	U'	/	VIA	MSI	1344-09	12/14/2023	
17.00a	7.02	s.u.	±0.1 s.u.	,	1-1	-	_	-	1	MSI	L343-07	12/9/2023	
10.00a	10.00	S.U.	±0.1 s.u.	-	\vdash	-			-	MSI	M082-04	3/25/2024	
1000	900.86	μS/cm	±5%		\vdash	-	_		-	Ricca	4207N97	Jul-24	
O (Zero pt)	0.07	mg/L	±0.1 mg/L			-			+	Macron		8/26/2025	
irbidity (DI)	0.00	NTU	<2 NTU			4			_	Pace Labs	N/A (DI)	N/A (DI)	
	rs, unless only or		-11							1			
	ed Calibration			1 2			Time:						
Buffer	Check Value	Units		Pas	s/Fail	Calibr	ate?	Adjuste	ed Reading	Manufacturer		Exp.	
.00a		S.U.	±0.1 s.u.							MSI	L344-09	12/14/2023	
.00a		s.u.	±0.1 s.u.	1						MSI	L343-07	12/9/2023	
).00a		s.u.	±0.1 s.u.							MSi	M082-04	3/25/2024	
		µS/cm	±5%							Ricca	4207N97	Jul-24	
		mg/L	±0.1 mg/L							Macron	#000228049	8/26/2025	
0 (Zero pt)										Pace Labs	N/A (DI)	N/A (DI)	

Location: Vistre Duck Creek	Creek	Vistre Duck	Location:				30	Field Personnel:	
N 8-13mp Environment: 15 HFF 2209305ML JASS		1167 1151	Environment:	13mpl	ly wind W8-	pelon	78-90°F	Weather:	
	762215	Serial Number:	600		Aquetroll	Make:		Multiparameter	
	11 FF 220%	Serial Number:				Make:	el Meter	Water Leve	
ange Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Ex	Manufacturer	Adjusted Reading	Calibrate?	Pass/Fail	Range	Units	Check Value	Buffer	
.1 s.u. 0055 No NA MSI L344-09 12/14/	MSI	NA	No	Dess	±0.1 s.u.	s.u.	4,02	oH 4.00a	
.1 s.u. MSI L343-07 12/9/2	MSI	1	1	1	±0.1 s.u.	s.u.	7.00	oH 7.00a	
.1 s.u. MSI M082-04 3/25/2	MSI				±0.1 s.u.	S.u.	10,02	H 10.00a	
5 μS/cm Pace Labs N/A (DI) N/A (D	Pace Labs				0<25 µS/cm	μS/cm	9,67	C Zero (DI)	
	Geotech				±5%	μS/cm	184.2	C 2000	
15 mV InSitu 261762 Jun-23	InSitu				±15 mV	mV	216,3	DRP	
±0.1 Macron #000228049 8/26/2	Macron	F 10			±0.1	mg/L	0,09	OO (Zero pt)	
	Pace Labs				97-100%	%	78.55	OO (Saturated)	
		4	7	1	<2 NTU	NTU	0.00	Furbidity (DI)	
						e well		Approx. every 4 hr	
ation) Time: 0915		0915	Time:		erification)	ation V	(Initial Calibr	ICV	
	Manufacturer		Action	Pass/Fail		Units	Check Value	Buffer	
					±0.15 s.u.	s.u.	202	H 4.00b	
F 162			1	111	±0.15 s.u.	s,u.	6.86	H 7.00b	
	_		1		±0.15 s.u.	s.u.	9.91	н 10.00Б	
			1	1	±5%	μS/cm	777,24	SC 1000	
								Approx. every 4 hr	
: Time: 1531		1521	Time:		ation):			CCV (Continue	
	Manufactures			Darr /Cail	Range	Units	Check Value	Buffer	
100				-	±0.1 s.u.			oH 4.00a	
			140	600	±0.1 s.u.	s.u.	7.09	H 7.00a	
	_			\rightarrow	±0.1 s.u.	s.u.	10.08	H 10.00a	
	-				±5%	μ5/cm	98444	C 1000	
23/6						mg/L		OO (Zero pt)	
	Macion		1	1		NTU	0,08	Turbidity (DI)	
1 mg/L Macron #000228049 8/26/2	Pare Lahe								
1 mg/L Macron #000228049 8/26/2	Pace Labs				NE INTO		s unless only on		
1 mg/L Macron #000228049 8/26/2 2 NTU Pace Labs N/A (DI) N/A (D	Pace Labs		Times			e well	s, unless only on		
1 mg/L Macron #000228049 8/26/2 2 NTU Pace Labs N/A (DI) N/A (D : Time:				n tr - tl	ation):	e well Verific	d Calibration	CCV (Continue	
1 mg/L Macron #000228049 8/26/2 2 NTU Pace Labs N/A (DI) N/A (DI) : Time:	Manufacturer	Adjusted Reading		Pass/Fail	ation):	e well Verific Units		CCV (Continue Buffer	
1 mg/L Macron #000228049 8/26/2 2 NTU Pace Labs N/A (DI) N/A (DI) : Time: tange Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp.	Manufacturer MSI	Adjusted Reading		Pass/Fail	ation): Range ±0.1 s.u.	Verific Units s.u.	d Calibration	CCV (Continue Buffer 4.00a	
1 mg/L Macron #000228049 8/26/2 NTU Pace Labs N/A (DI) N/A	Manufacturer MSI MSI	Adjusted Reading		Pass/Fail	ation): Range ±0.1 s.u. ±0.1 s.u.	Verific Units s.u. s.u.	d Calibration	Buffer 1.00a	
1 mg/L Macron #000228049 8/26/2 NTU Pace Labs N/A (DI) N/A	Manufacturer MSI MSI MSI	Adjusted Reading		Pass/Fail	ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Verific Units s.u. s.u. s.u.	d Calibration	Buffer 6.00a 7.00a 0.00a	
1 mg/L Macron #000228049 8/26/2 NTU Pace Labs N/A (DI) N/A	Manufacturer MSI MSI MSI Ricca	Adjusted Reading		Pass/Fail	ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5.40.1 s.u.	Verific Units s.u. s.u. μS/cm	d Calibration	Buffer 1.00a 7.00a 10.00a 10.000a	
1 mg/L Macron #000228049 8/26/2 NTU Pace Labs N/A (DI) N/A	Manufacturer MSI MSI MSI Ricca Macron	Adjusted Reading		Pass/Fail	ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Verific Units s.u. s.u. s.u.	d Calibration	Buffer	

Field Personnel:	20				Location:	Vistra Duc	k Creek		
Weather:	76-90-F	Eury .	vial NNE G	-pl-	Environment:				
Multiparamete		Make:	Aquatro//	Model:	600	Serial Number:	762215	ĭ	
Water Lev	vel Meter	Make;	Heron	Model:	Dipper-T	Serial Number:	11FF220	930546	
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.99	s.u.	±0.1 s.u.	0255	N.	NA	MSI	L344-09	12/14/2023
pH 7.00a	6.99	s.u.	±0.1 s.u.	1		1	MSI	L343-07	12/9/2023
pH 10.00a	10,03	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	10,26	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2013.6	μS/cm	±5%				Geotech	3GA1071	Jan-24
ORP	217.4	mV	±15 mV				InSitu	261762	lun_23
DO (Zero pt)	80.0	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	11,32	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0,62	NTU	<2 NTU	L	L	L	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h				•					
ICV	(Initial Calibr	ation V	erification)		Time:	0905			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
H 4.00b	401	s.u.	±0.15 ş.u.	COS	1	VA	Geotech	2GE870	Mar-24
H 7.00b	4.85	s.u.	±0.15 s.u.	1		1	Geotech	2GC931	Mar-24
H 10.00b	9,89	s.u.	±0.15 s.u.			1	Geotech	2GE820	May-24
C 1000	1009.4	μS/cm	±5%	1	and and		Ricca	4207N97	Jul-24
Approx. every 4 h	rs, unless only or	e well							
CCV (Continue	ed Calibration	Verific	ation):		Time:	1545			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
oH 4.00a	4,07	s.u.	±0.1 s.u.	0455	N,	NA	MSJ	L344-09	12/14/2023
pH 7.00a	7.06	s.u.	±0.1 s.u.	7	1	1	MSI	L343-07	12/9/2023
pH 10.00a	9.78	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	386.22	μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	4.52	NTU	<2 NTU	1	_	1	Pace Labs	N/A (Di)	N/A (DI)
Approx. every 4 h	rs, unless only or	ie well							
CCV (Continue	d Calibration	Verific	ation):		Tįme:				
Buffer	Check Value	Units	Range \	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
1.00a	1	s.u.	±0.1 s.u.	1	1		MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.	1		1	MSI	L343-07	12/9/2023
10.00a		5.U.	±0.1 s.u.			1	MSI	M082-04	3/25/2024
C 1000		μS/cm	±5%			1	Ricca	4207N97	Jul-24
OO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Furbidity (D!)	8	√ NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
Comments:				,	- 1				

Field Personnel:	NIN				Location:	DUCK	Cree	h	
Weather:	76-89°F	Sun	iny wind	Zmph	Environment:	Givass	5		
Multiparameter	Water Meter	Make:	Aquatvoll	Model:	000	Serial Number:	7394	149	
Water Lev	el Meter	Make:	Heron	Model:	1900	Serial Number:	19FFZ	11119	2HB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.07	s.u.	±0.1 s.u.	P	2	NA	MSI	023067-01	3/14/2025
pH 7.00a	7.00	s.u.	±0.1 s.u.	P	1	1	MSI	023051-02	2/21/2025
рН 10.00а	9,94	s.u.	±0.1 s.u.	P			MSI	022361-01	12/27/2024
SC Zero (DI)	17.05	μS/cm	0<25 µS/cm	P	-		Pace Labs	N/A (DI)	N/A (DI)
SC 2000	17102.5	μS/cm	±5%	=	1185	2000.0	Geotech	3GA1071	Jan-24
ORP	2180)	m۷	±15 mV	P	00	ALIA	InSitu	3GD927	Jan-24
DO (Zero pt)	0.03	mg/L	±0.1	P	1	1	Macron	#000228049	8/26/2025
DO (Saturated)	9703	%	97-100%	P			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	D,	1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well		-				1-7	1.51.4(-1)
ICV	(Initial Calibr	ation V	erification)		Time:	08:50			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Ехр.
pH 4.00b	4.09	s.u.	±0.15 s.u.	P	1		Geotech	2GE870	May-24
pH 7.00b	10.91	S.U.	±0.15 s.u.	P			Geotech	2GF113	Jun-24
pH 10.00b	9,90	s.u.	±0.15 s.u.	V		_	Geotech	2GE820	May-24
SC 1000	1129.5	μS/cm	±5%		W5 - C0	librate inor	Ricca	4209A12	Aug-23
Approx. every 4 hr					10	HOICE HAN]	1.00
CCV (Continue			ation):		Time:	14:55	1		
Buffer	Check Value	Units	Range	Pass/Fai!	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Fran
pH 4.00a	1 110	s.u.	±0.1 s.u.	r ass/1 att	110S	Adjusted heading	MSI	023067-01	Exp. 3/14/2025
pH 7.00a	7.10	S.U.	±0.1 s.u.	5	7/2	7,00	MSI		
pH 10.00a	9.80	s.u.	±0.1 s.u.	-	11/2	75.01	MSI	023051-02	2/21/2025
SC 1000	1207 2	μS/cm	±5%		100	2000	Ricca	022361-01	12/27/2024
DO (Zero pt)	0.03	mg/L	±0.1 mg/L	6	yes	70000		4209A12	Aug-23
Turbidity (DI)	0.87	NTU	<2 NTU		U N	NIA	Macron Pace Labs	#000228049	8/26/2025
Approx. every 4 hr			VZ NTO	9	V_	2	Pace Laus	N/A (DI)	N/A (DI)
CCV (Continue	· · · · · · · · · · · · · · · · · · ·		etion):	T	Time:				
Buffer				D /C-il		Address of Decalled			
	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	1	S.U.	±0.1 s.u.		_	+	MSI	023067-01	3/14/2025
7.00a	-	5-U.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
10.00a	1	S.U.	±0.1 s.u.		1	1	MSI	022361-01	12/27/2024
SC 1000		μ5/cm	±5%	1	1	1	Ricca	4209A12	Aug-23
DO (Zero pt)	-	mg/L	±0.1 mg/L	1	1	1.	Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Comments:							`		

pH 7.00a € . 9	Field Personnel:	701	- A	eed		Location:	Duet	(ree-	t	
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot#	Weather	900 50	hhy			Environment:	959351	/dry	,	
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 14.00a	Multiparamete	er Water Meter	Make:	AguaTrell	Model:	600	Serial Number:	762	193	
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 14.00a	Water Le	vel Meter	Make:	Heron	Model:	1900	Serial Number:	19 F	F2 111	0 5 HB
Description	Buffer	Check Value	Units	Range	Pass/Fail	Calibrațe?	Adjusted Reading			Exp.
Pit 10.00a 9	H 4.00a	3,99	s.u.	±0.1 s.u.	P	_ /\	1	MSI	L344-09	12/14/2023
SC Zero (DI)	H 7.00a	6.28	s.u.	±0.1 s.u.	7			MSI	1343-07	12/9/2023
SC 2000 2 000	H 10.00a	9.99	s.u.	±0.1 s.u.				MSi	M082-04	3/25/2024
DRP 2 3 0 my ±15 mV more	C Zero (DI)		μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
DRP 2 3 0 my ±15 mV more	2000	12000.41	μS/cm	±5%				Geotech	3GA1071	Jan-24
DO (Zero pt) O . O 4 mg/L	RP	230.1	mV	±15 mV				InSitu	200000-	demand the
Turbidity (DI)	O (Zero pt)		mg/L	±0.1				Macron	#000228049	8/26/2025
Turbidity (DI) Q Q	O (Saturated)	98.9	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
CV (Initial Calibration Verification) Time: G	urbidity (DI)	0.0	NTU	<2 NTU	1	Les	1	Pace Labs	N/A (DI)	N/A (DI)
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# DH 4.00b 3	pprox. every 4 h	rs, unless only or	e well							
Delta	IC\	/ (Initial Calibr	ation V	erification)		Time:	950			
Description	Buffer	Check Value	Units	Range	Pass/Fail	Actio	on Taken?	Manufacturer	Lot#	Ехр.
Sunction Sunction	H 4.00b	3.99	s.u.	±0.15 s.u.	2	.1/		Geotech	2GE870	Mar-24
Approx. every 4 hrs, unless only one well	H 7.00b	696	s.u.	±0.15 s.u.	1			Geotech	2GC931	Mar-24
Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time:	H 10.00b	9.99	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
CCV (Continued Calibration Verification): Time:	C 1000	1019.4	μS/cm	±5%	-	<u> </u>		Ricca	4207N97	Jul-24
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot#								,		
pH 4.00a	CV (Continue	ed Calibration	Verific	ation):		Time:	1612			
pH 7.00a 7.07 s.u. ±0.1 s.u. MSI L343-07 12 pH 10.00a s.u. ±0.1 s.u. MSI M082-04 3/, SC 1000 MSI MSI M082-04 3/, Ricca 4207N97 Ju Macron #000228049 8/, Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time: Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.00a s.u. ±0.1 s.u. MSI L344-09 12 7.00a s.u. ±0.1 s.u. MSI L343-07 12	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 7.00a 7.07 s.u. ±0.1 s.u. MSI L343-07 12 pH 10.00a	H 4.00a	4.01	s.u.	±0.1 s.u.	1	N		MSI	L344-09	12/14/2023
pH 10.00a	H 7.00a		s.u.	±0.1 s.u.	1			MSI	L343-07	12/9/2023
DO (Zero pt)	H 10.00a		s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
DO (Zero pt)	C 1000	10321	μS/cm	±5%				Ricca	4207N97	Jul-24
Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.00a s.u. ±0.1 s.u. MSI L344-09 12 7.00a s.u. ±0.1 s.u. MSI L343-07 12	O (Zero pt)	1 7 -	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.00a s.u. ±0.1 s.u. MSI L344-09 12 7.00a s.u. ±0.1 s.u. MSI L343-07 12	urbidity (DI)	0.0	NTU	<2 NTU	-	1		Pace Labs	N/A (DI)	N/A (DI)
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# 4.00a s.u. ±0.1 s.u. MSI L344-09 12 7.00a s.u. ±0.1 s.u. MSI L343-07 12	рргох, every 4 h	rs, unless only or	e well							
4.00a s.u. ±0.1 s.u. MSI L344-09 12 7.00a s.u. ±0.1 s.u. MSI L343-07 12	CV (Continu	ed Calibration	Verific	ation):		Time:	N. T.			
7.00a s.u. ±0.1 s.u. MSi L343-07 12	Buffer	Check Value	Units	Range	Pass/Fail	\Calibrate?	Adjusted Reading	Manufacturer		Exp.
	.00a	1	s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
	.00a	1	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10,00a s.u. ±0.1 s.u. MSI M082-04 3/	0.00a		S.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
	C 1000		μS/cm	±5%				Ricca	4207N97	Jul-24
	O (Zero pt)		-	±0.1 mg/L		1	1	Macron	#000228049	8/26/2025
			NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Comments:			-		-		1			

Field Personnel:	KYL	Lav	u.			Location:	Dvc	the c	cselk		
Weather:	81°501	M				Environment:	DON	1			
Multiparamete	Water Meter	Make:	HOMBA	Mod	iel:	V-5000	Seria	l Number:	PWZ	647	03
Water Lev	el Meter	Make:		Mod	del:	water	Seria	l Number:	19FF2	2021	3 IML
Buffer	Check Value	Units	Range	Pass/f	Fail	Calibrate?	Adjusted	Reading	Manufacturer	Lot#	Exp.
4.00a	4.01	s.u.	±0.1 s.u.	7		M	1	/h	MSI	L344-09	12/14/2023
7.00a	6.95	S.U.	±0.1 s.u.	1	_	1	1	· .	MSI	L343-07	12/9/2023
10.00a	9.93	s.u.	±0.1 s.u.	1					MSI	M082-04	3/25/2024
Zero (DI)	14.10	μS/cm	0<25 μS/cm						Pace Labs	N/A (DI)	N/A (DI)
2000	2020	μS/cm	±5%						Geotech	3GA1071	Jan-24
RP .	215	mV	±15 mV						In5itu -	201702	Juli-25
(Zero pt)	0.01	mg/L	±0.1	1	_				Масгол		8/26/2025
(Saturated)	97.10	%	97-100%	1	,		1	1	Pace Labs	N/A (DI)	N/A (DI)
rbidity (DI)	0	NTU	<2 NTU	V		-	1		Pace Labs	N/A (DI)	N/A (DI)
	rs, unless only on		:f:\	_			70	59			
	(Initial Calibrative			0	F-31	Time:	VO.	27	Manufacilian		-
Buffer	Check Value	Units	Range	Pass/F	<u>Fau</u>	ACTIO	n Taken?		Manufacturer	Lot#	Ехр.
4.00b	5.7/	5. 0.	±0.15 s.u.	1	+		100	-	Geotech	2GE870	Mar-24
7.00b	2.99	s.u.	±0.15 s.u.	-	-		-		Geotech	2GC931	Mar-24
0.00b	1.0%	S.U.	±0.15 s.u.	-	-	_	1		Geotech	2GE820	May-24
1000	1090	μS/cm	±5%	1	2	1	16		Ricca	4207N97	Jul-24
	rs, unless only on		-+:\-				.//	2	1		
	d Calibration				- 41	Time:	-	۲		1 22	1 111
Buffer	Check Value	Units		Pass/F	Fail	Calibrate?	Adjusted	Reading	Manufacturer	Lot#	Exp.
4,00a		s.u.	±0.1 s.u.		1		1	/	MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.	/	4			/	MSI	L343-07	12/9/2023
10.00a	_/	S.U.	±0.1 s.u.	/	_	/		_	MSI	M082-04	3/25/2024
1000	/	μS/cm	±5%		\rightarrow	1	/		Ricca	4207 N 97	Jul-24
(Zero pt)	/-	mg/L	±0.1 mg/L		-	/	/		Macron		8/26/2025
rbidity (DI)	/	NTU	<2 NTU /		Щ,	/			Pace Labs	N/A (DI)	N/A (DI)
	rs, unless only on ed Calibration	_	otion):	_	_	Time:	11.	06	1		
		Units	Range	Dace/I	Fail			d Reading	Manufacturer	Lot#	Evn
Buffer 00a	Check Value	S.U.	±0.1 s.u.	Pass/I	OH	Calibrate?		100	Manufacturer MSI	L344-09	Exp. 12/14/2023
Da.	7.00	s.u.	±0.1 s.u.	1	+	7	1	100	MSI	L343-07	12/9/2023
00a		s.u.	±0.1 s.u.	1	+			1	MSI	M082-04	3/25/2024
1000	10.00	μS/cm	±5%	1	-	-			Ricca	4207N97	Jul-24
Zero pt)	0.06	mg/L	±0.1 mg/L	1	-	1			Macron		8/26/2025
rbidity (DI)	0	NTU	<2 NTU	10		10	. 1	1	Pace Labs	N/A (DI)	N/A (DI)
mments:	4 /	MIG	321110	47				/	1 000 2000	INTALDIT	M/A (DI)
/	/a	- //	,				1		1		
Signature:	1/10	M	M			Date:	1/-	·) L	-23		

Field Personnel;	NIN				Location:	Duck	Cre	es	
Weather:)-929	i are briw,	Mana	Environment:	Gras			
Multiparamete)	Make:	Aquatroll	Model:	(DO)	Serial Number:	2000	149	
Water Lev	el Meter	Make:	Heron	Model:	1900	Serial Number:	19FF21	11192	HB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	5.U.	±0.1 s.u.	P	N	ANA	MSI	023067-01	3/14/2025
pH 7.00a	(0.95	s.u.	±0.1 s.u.	P	1	1	MSI	023051-02	2/21/2025
pH 10.00a	9.92	s.u.	±0.1 s.u.	P			MSI	022361-01	12/27/2024
SC Zero (DI)	17.99	μ5/cm	0<25 μS/cm	16	1		Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2203.7	μS/cm	±5%	F	UPS	2000.0	Geotech	3GA1071	Jan-24
ORP	213.3	mV	±15 mV	0	19	N/A	InSitu	3GD927	Jan-24
DO (Zero pt)	0.08	mg/L	±0.1	3	1	1	Macron	#000228049	8/26/2025
DO (Saturated)	99.8	%	97-100%	P			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	P			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	ie well		•					
ICV	(Initial Calibr	ation V	erification)		Time:	01910			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.21	s.u.	±0.15 s.u.	F	Calibro		Geotech	2GE870	May-24
pH 7.00b	6.82	S.u.	±0.15 s.u.	F	Calibrate		Geotech	2GF113	Jun-24
pH 10.00b	9.85	s.u.	±0.15 s.u.	P	N	IA	Geotech	2GE820	May-24
SC 1000	720.85	μS/cm	±5%	-	calibrat		Ricca	4209A12	Aug-23
Approx. every 4 h	rs, unless only or	ie well			THE BOXES	NI	()		
CCV (Continue			ation):		Time:	11:27	16:27		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.04	S.U.	±0.1 s.u.	V as	N	NIA	MSI	023067-01	3/14/2025
pH 7.00a	6.98	s.u.	±0.1 s.u.	0		NIF	MSI	023051-02	2/21/2025
pH 10.00a	990	5.u.	±0.1 s.u.	1	1	-	MSI	022361-01	12/27/2024
SC 1000	10201	μS/cm	±5%	-	UKS	0.0001	Ricca	4209A12	Aug-23
DO (Zero pt)	100	mg/L	±0.1 mg/L	0	W.	NIA	Macron		8/26/2025
Turbidity (DI)	0.70	NTU	<2 NTU	(2)	10	IVIA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h			42 1110	-			Tuec Edua	1107. (5.17	III) II (DI)
CCV (Continue			ation):	11/	Time:		1		
		,		la 14		A 45	Marie East	1	-
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.	\ <u>'</u>	1		MSI	023067-01	3/14/2025
7.00a		s.u.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
10.00a	- 4	S.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
	1	μS/cm	±5%	1	1		Ricca	4209A12	Aug-23
SC 1000	-	mg/L	±0.1 mg/L	1	-	1	Macron		8/26/2025
DO (Zero pt)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
DO (Zero pt) Turbidity (DI)									

Field Personnel:	K512 1	An-	J			Location:	DV	ch cr	cuK		
Weather:	75°+0	93	s sunnh			Environment:	00	1h			
Multiparamete		Make:	HariBa	Mo	del:	U5000	Ser	ial Number:	PW20	4103	,
Water Lev	rel Meter	Make:	Heren	Mo	del:	water tape	Ser	ial Number:	/	2202	13MI
Buffer	Check Value	Units	Range	Pass,	/Fall	Calibrate?		ed Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	s.u.	±0.1 s.u.	1		NA		10	MSI	L344-09	12/14/2023
pH 7.00a	6,95	s.u.	±0.1 s.u.						MSI	L343-07	12/9/2023
pH 10.00a	10.01	S.u.	±0.1 s.u.						MSI	M082-04	3/25/2024
SC Zero (DI)	14.00	μS/cm	0<25 µS/cm	1					Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2040	μS/cm	±5%	1					Geotech	3GA1071	Jan-24
ORP	214	mV	±15 mV						InSitu	20-11-1	1 011-23
DO (Zero pt)	0.01	mg/L	±0.1	1			1	1	Macron	#000228049	
OO (Saturated)	98.00	96	97-100%		1	10		10	Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0	NTU	<2 NTU	1	_		1	1/	Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 h			(acification)		-	T	710	7-117	1		
	(Initial Calibr	_		ln -	te in	Time:	UZ	7:47		1 1 1 1 1 1	1 **-
Buffer	Check Value	Units	Range	Pass	(Fall	Actio	n.Taken	15	Manufacturer	Lot#	Exp.
H 4.00b	1100	s.u.	±0.15 s.u.	1	_		Va		Geotech	2GE870	Mar-24
H 7.00b	9.99	s.u.	±0.15 s.u.				-	_	Geotech	2GC931	Mar-24
H 10.00b	-	5.α. μS/cm	±0.15 s.u. ±5%			-	110		Geotech Ricca	2GE820 4207N97	May-24
	rs, unless only or		2576	-	9		V		RICCO	420/143/	Jul-24
CV (Continue			ation):	_	_	Time:	1	IA	1		
Buffer	Check Value	Units	Range	Pass	/Faif	Calibrate?	Adjust	ed Reading	Manufacturer	Lot#	Éxp.
H 4.00a	/	s.u.	±0.1 s.u.		1		1,0,0.0	/	MSI	1.344-09	12/14/2023
H 7.00a	/	s.u.	±0.1 s.u.		1			1	MSI	L343-07	12/9/2023
H 10.00a	/	S.U.	±0.1 s.u.	1				/	MSI	M082-04	3/25/2024
C 1000	1	μS/cm	±5%	1				/	Ricca	4207N97	Jul-24
OO (Zero.pt)	/	mg/L	±0.1 mg/L /	1		/		/	Macron		8/26/2025
urbidity (Di)		NTU	<2 NTU /		,		/		Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 h									1		
CCV (Continue						Time:		or Li)			
	Check Value	Units		Pass	Fail	Calibrate?	Adjust		Manufacturer	Lot#	Exp.
.00a	4.02	s.u.	±0.1 s.u.	F	_	M		Na	MSI	L344-09	12/14/2023
.00a	7.08	s.u.	±0.1 s.u.					1	MSI	L343-07	12/9/2023
0.00a	10.00	s.u.	±0.1 s.u.		_			_	MSI	M082-04	3/25/2024
C 1000	1213	μS/cm	±5%		-,4			-	Ricca	4207N97	Jul-24
OO (Zero pt)	021	mg/L	±0.1 mg/L		11	10		-	Macron	#000228049	8/26/2025
urbidity (DI)	1/1	NTU	<2 NTU		/_	-	1	V	Pace Labs	N/A (DI)	N/A (DI)
Comments:	NA						-	1			
	Hey	0		_				-	20		

Weather:					Location:	1)11(1/2)	Creek	1	
	Surry 74	-10°F	wind 4mg	n sse	Environment:	Corc	ISS	,	
Multiparamete	r Water Meter	Make:	Aquatroll	Model:	000	Serial Number:	762219	5	
Water Lev	el Meter	Make:	Heron	Model:	1900	Serial Number:	19FF2111	192HF	3
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	9	2	N/A	MSI	023067-01	3/14/2025
pH 7.00a	7.00	s.u.	±0.1 s.u.	P	1	1	MSI	023051-02	2/21/2025
pH 10.00a	9.99	s.u.	±0.1 s.u.	0			MSI	022361-01	12/27/202
SC Zero (DI)	21.54	μS/cm	0<25 µS/cm	9	_	1	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	(755.9	μS/cm	±5%	E.	465	2000.0	Geotech	3GA1071	Jan-24
ORP	210.0	mV	±15 mV	P	IN	NIA	InSitu	3GD927	Jan-24
DO (Zero pt)	0.09	mg/L	±0.1	0	1	1	Macron	#000228049	8/26/2025
DO (Saturated)	98.71	%	97-100%	8			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.01	NTU	<2 NTU	0	+		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well		1					
ICV	(Initial Calibr	ation V	erification)		Time:	09:40			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.05	s.u.	±0.15 s.u.	0	1	1	Geotech	2G£870	May-24
pH 7.00b	(9.90	s.u.	±0.15 s.u.	10			Geotech	2GF113	Jun-24
pH 10.00b	9.90	s.u.	±0.15 s.u.	P	_	1	Geotech	2GE820	May-24
SC 1000	1118.10	µS/cm	±5%	F	Calibrate	0-10001-5	Ricca	4209A12	Aug-23
Approx. every 4 h	rs, unless only on	e well						8	
CCV (Continue	d Calibration	Verific	ation):		Time:	110:17			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.09	5.U.	±0.1 s.u.	P	N	NIA	MSI	023067-01	3/14/2025
pH 7.00a	7.29	s.u.	±0.1 s.u.	-	45	7.00	MSI	023051-02	2/21/2025
pH 10.00a	10.05	5.U.	±0.1 s.u.	0	ON	MA	MSI	022361-01	12/27/202
SC 1000	1043.0	μ5/cm	±5%	E	yes	i000.0	Ricca	4209A12	Aug-23
DO (Zero pt)	0.03	mg/L	±0.1 mg/L	Q	ON	NIA	Macron	#000228049	8/26/2025
Turbidity (DI)	0.95	NTU	<2 NTU	80	7-	ے۔	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	e well		1					
CCV (Continue	ed Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
4.00a		s.u.	±0.1 s.u.		1		MSI	023067-01	3/14/2025
7.00a		s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.				MSI	022361-01	12/27/202
SC 1000	1	μS/cm	±5%	1			Ricca	4209A12	Aug-23
DO (Zero pt)	1	mg/L	±0.1 mg/L	1			Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU		/	1	Pace Labs	N/A (DI)	N/A (DI)
Comments:					1				
	Α.	-							1
Signature:	1/15	/	Wilch	10	Date:	7/271	12		

BC

Field Personnel:	K 5/4	Los	V.		Location:	OVCK (seek		
Weather:	96° Si	(V)	h		Environment:	Ory			
Multiparameter	Water Meter	Make:	HoriBa	Model:	V-5000	Serial Number:	P1126	7 JD	3
Water Lev	el Meter	Make:	HOLON	Model:	water tape	Serial Number:	0.		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	W.01	S.U.	±0.1 s.u.	P	Na.	1/0	MSI	L344-09	12/14/202
pH 7.00a	7. 07	s.u.	±0.1 s.u.		1	1	MSI	L343-07	12/9/2023
pH 10.00a	10:01	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	20.10	μS/cm	D<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2000	μS/cm	±5%				Geotech	3GA1071	Jan-24
ORP	216	m۷	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.01	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	97.10	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0	NTU	<2 NTU	V		V)	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well							
ICV	(Initial Calibr	ation V	erification)		Time:	10.7-3			
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	· Cun
pH 4.00b	4.00	S.U.	±0.15 s.u.	D	7	1 I BKEII!	Geotech	2GE870	Exp.
pH 7.00b	6.93	5.u.	±0.15 s.u.	1	N	A-	Geotech	2GC931	Mar-24
pH 10.00b	10.00	5.u.	±0.15 s.u.	1	1		Geotech	2GE820	Mar-24
SC 1000	10.00	μ5/cm	±5%	10	- 1	1	Ricca	4207N97	May-24 Jul-24
Approx. every 4 hr	s unless only on		2370	10		/	inco	420/143/	JUI-24
			-4i).		T:	1/1	1		
CCV (Continue				1	Time:	IVA			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	/	5. 0.	±0.1 s.u.	/			MSI	L344-09	12/14/2023
pH 7.00a		5.11.	±0.1 s.u.	/	/		MSI	L343-07	12/9/2023
pH 10.00a	/_	s.u.	±0.1 s.u.	//	/	/_	MSI	M082-04	3/25/2024
SC 1000		μS/cm	±5%	/	/	/	Ricca	4207N97	Jul-24
DO (Zero pt)	-/-	mg/L	±0.1 mg/L	1	/	/	Macron		8/26/2025
Turbidity (DI)	/	NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr							1		
CCV (Continue	d Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	L344-09	12/14/202
7.00a.		S.U.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		S.U.	±0.1 s.u.				MSI	MD82-04	3/25/2024
SC 1000		μ5/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:									

Field Personnel:	KL JR				Location:	DUCK C	re RR		
Weather:	75°	SUN	101		Environment:	Dry			
Multiparameter	Water Meter	Make:	Horiba	Model:	V-5000	Serial Number:	PW2 (470	7
Water Lev	el Meter	Make:		Model:	water	Serial Number:	19FF 23	2913	in
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.96	s.u.	±0.1 s.u.	P.	NA	1/2	MSI	L344-09	12/14/202
pH 7.00a	b.93	s.u.	±0.1 s.u.			1	MSI	L343-07	12/9/2023
pH 10.00a	10.07	S.U.	±0.1 s.u.		1		MSI	M082-04	3/25/2024
SC Zero (DI)	20.00	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2 030	µS/cm	±5%				Geotech	3GA1071	Jan-24
ORP	213	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	0.02	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.04	96	97-100%			11/	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (D!)	()	NTU	<2 NTU	10		4	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well							1 1
ICV	(Initial Calibr	ation V	erification)		Time:	09.53			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.05	S.U.	±0.15 s.u.	P	rictio	110	Geotech	2GE870	Mar-24
pH 7.00b	42.99	5.U.	±0.15 s.u.	1			Geotech	2GC931	Mar-24
pH 10.00b	10.00	S.U.	±0.15 s.u.			1	Geotech	2GE820	May-24
SC 1000	1010	µS/cm	±5%	1/2		10	Ricca	4207N97	Jul-24
Approx. every 4 hr	-			-				1.00.100	201 2.1
CCV (Continue			ation):		Time:	1/4			
				In/F.11		////	64		1 20
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	L344-09	12/14/2023
pH 7.00a	1	s.u.	±0.1 s.u.		1	1	MSI	L343-07	12/9/2023
pH 10.00a	-	S.U.	±0.1 s.u.	1		-	MSI	M082-04	3/25/2024
SC 1000	_	µS/cm	±5%	1	1	-	Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L	1	-	1	Macron	#000228049	8/26/2025
Turbidity (DI)	e imbas anticas	NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr			-4!\		-	15 00	1		
CCV (Continue	_				Time:	1500			
Buffer	Check Value	Units	Range	Pass/Fail	4 .	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.01	s.u.	±0.1 s.u.	P	NO	1/5	MSI	L344-09	12/14/2023
7.00a	574	s.u.	±0.1 s.u.	1	1	\ .	MSI	L343-07	12/9/2023
10.00a	13.03	s.u.	±0.1 s.u.	1			MSI	M082-04	3/25/2024
SC 1000	KIO	μS/cm	±5%	1-1-			Ricca	4207N97	Jul-24
DO (Zero pt)	0.04	mg/L	±0.1 mg/L	1	,		Macron	#000228049	8/26/2025
Turbidity (DI)	0_	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:									
	Hly					7-31			

Field Personnel:	JR	K	2		location:	Duek	Creek		
Weather:	700-8	50	my w.	nd 3-6	Environment:	9505	5		
Multiparameter	Water Meter	Make:	Horiba	Model:	U500	Serial Number:	PW20	YJD	3
Water Lev	el Meter	Makes	Heron	Model:	1900	Serial Number:		2202	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	344	s.u.	±0,1 s.u.	18,	N	1	MSI	023067-01	3/14/2025
pH 7.00a	6.95	5.u.	±0.1 s.u.	1	- "		MSI	023051-02	2/21/2025
pH 10.00a	4.48	S.U.	±0.1 s.u.			1	MSI	022361-01	12/27/202
SC Zero (DI)	40	µS/cm	0<25 µS/cm		1		Pace Labs	N/A (DI)	N/A (DI)
SC 2000	7000	µS/cm	±5%			1	Geotech	3GA1071	Jan-24
ORP.	2.34	m۷	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0.04	mg/L	±0.1			1	Macron	#000228049	
DO (Saturated)	946	%	97-100%			1	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU		1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s unless only or		121110				1 400 5000	וויין אוניון	ווט) אנוון
						45 4			
	(Initial Calibi	ation v		,	Time:	920			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	a Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.01	s.u.	±0.15 s.u.	P		/	Geotech	2GE870	May-24
pH 7.00b	7.00	5.U.	±0.15 s.u.	1 ')			Geotech	2GF113	Jun-24
pH 10.00b	9,99	5.U.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1010	μS/cm	±5%	1	~		Ricca	4209A12	Aug-23
Approx. every 4 hr	s, unless only or	ne well					1.00		
CCV (Continue	d Calibration	Verific	ation):		Time:	1615			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
DH 4.00a	402	s.u.	±0.1 s.u.	1. 00071 011	Cuilli dic.	Tisjestes Hessing	MSI	023067-01	3/14/2025
pH 7.00a	701	s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025
pH 10.00a	1002	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC 1000	1020	µS/cm	±5%				Ricca	4209A12	
	0.17	_		+			Macron	#000228049	Aug-23
DO (Zero pt) Turbidity (DI)	-	mg/L NTU	±0.1 mg/L <2 NTU	-			Pace Labs		N/A (DI)
Approx. every 4 hr	0.0		VZ NI U				race Laus	N/A (DI)	N/A (DI)
		-	-411		_ *		1		
CCV (Continue	a Calibration	verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI		3/14/2025
7.00a		5.0.	±0.1 s.u.				MSI	023051-02	2/21/2025
10.00a		s.u.	±0.1 s.u.				MSI	022361-01	12/27/202
SC 1000		µS/cm	±5%				Ricca	4209A12	Aug-23
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:						1			
	_						1		
Signature:	()N		R 1200		Date:	8/10	1/23		

Intact (Y/N) Project No./ Lab I.D. saidmas SAMPLE CONDITIONS DRINKING WATER 8 Custody ō 000 Received on Ice (Y/N) REGULATORY AGENCY OTHER Page: Residual Chlorine (Y/N) D° ni qmeT GROUND WATER TIME DC-CFO20RE-201-202 RCRA DC-MbCb-S03-S06 Requested Analysis Filtered 718-23 STATE: DC-811-50¢ Site Location DATE 7118/23 DC-257-204 NPDES UST DC-842-S03 DC-527-203 OC-842-201-202 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION DC-842-502 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC-SUP-000 DC-S21-S02 D Analysis Test ÎN/A Other Methanol Vistra Corp Jason Stuckey see Section A Preservatives _EO_SS_SbN Junes David HOBN HCI X X × XXX ompany Name: X [⊅]OS^ZH 3 215 Section C Invoice Infor V × × × × × TIME × × Unpreserved メメ reference Project Manager: Profile #: ddress: 112000 Ч 7 2 # OF CONTAINERS 3 3 MM 7/18/23 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 4501 1457 245 IMUO 1202 1720 338 1149 342 338 1551 1150 1057 COLLECTED RELINQUISHED BY / AFFILIATION 7/18/13 123 (2/8// 7/18/13 7/18/123 7/18/123 7118 DATE A Jason Stuckey Required Project Information Report To: Brian Voelker ٥ ら 2285 57 57 2 ₹ 5 ふべい NIG シアダ がだい J ٥ 39YT 3J9MA8 urchase Order No. 3 MATRIX CODE roject Number: roject Name. Section B Copy To: Valid Matrix Codes WW WY St. OL. VWP ARR OT TS DRINKING WATER WATER WASTE WATER PRODUCT OIL WIPE WIPE AIR COTHER TISSUE 000 10 day Brian Voelker@VistraCorp.com 0 **DC-23Q3 Rev** ADDITIONAL COMMENTS 7 11 9 (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE 7909 5000 5159 6565 6566 SAMPLE ID 2400 1500 6585 6.655 13498 E. 900th St 6.35 204 6535 5195 Section D Required Client Information Vistra Corp Requested Due Date/TAT: (217) 753-8911 S Section A Required Client Information: Address 12 13 44 15 7 9 œ 6 9 7 က 4 40 9 ~ # WBTI

CHAIN-OF-CUSTODY / Analytical Request Document

CHAIN-OF-CUSTODY / Analytical Request Document

Intact (Y/N) Project No./ Lab I.D. 6603019 SAMPLE CONDITIONS DRINKING WATER Cooler (Y/N) Sealed ö Custody Ice (Y/N) REGULATORY AGENCY 2 OTHER Residual Chlorine (Y/N) O° ni qmaT W GROUND WATER =TIME DC-CCO20RE-201-202 RCRA DC-MbCb-S03-S09 Requested Analysis Filtered DC-811-504 STATE: Site Location DATE 7/18/73 DC-S21-S04 20-NPDES UST DC-842-503 DC-267-203 OC-842-201-202 ACCEPTED BY / AFFILIATION DC-842-502 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately OC-SUP-000 OC-592-509 1 tesT sisylsnA ŧΝ/λ Other Methanol Vistra Corp ames David Jason Stuckey see Section A Na₂S₂O₃ Preservatives NaOH HCI ompany Name. [⊅]OS^ZH Invoice inform Attention: 2)2 Section C × TIME × Κ Unpreserved × Address: 1111 W 4 17 0 0 # OF CONTAINERS 7/13/23 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 1332 1214 1517 1255 1135 1051 12:1 COLLECTED RELINQUISHED BY I AFFILIATION 13/23 DATE Jason Stuckey Required Project Information Report To: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. MATRIX CODE roject Number: Project Name: Section B Copy To: Valid Matrix Codes DW WW SI SI OL AR AR TS 10 day Brian Voelker@VistraCorp.com DC-23Q3 Rev 0 ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLE ID Š 56.75 FB-75 5775 6775 6775 6775 6775 666c 13498 E. 900th Requested Due Date/TAT: Vistra Corp none: (217) 753-8911 Required Client Information Section D Email To: 7 12 13 4 15 16 9 S 9 6 \sim 4 # MHTI

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Client	Section A Required Clent Information:	Section B Required Project Information:			Section C Invoice Information	ormation												a.	Page:	4	jo		P D
Company	Vistra Corp	1.00			Attention	asc	Jason Stuckey	X															C-2
	13498 E. 900th St	Copy To: Jason Stuckey			Company Name		Vistra Corp	<u>6</u>								EC.	EGUL	REGULATORY AGENCY	YAGE	ENCY			57-2
					Address	see	Section A						Z	NPDES		GRO	GROUND WATER	ATER		DRINK	DRINKING WATER	ER	03
Email To:	Brian Voelker@VistraCorp.com	Purchase Order No.			Quate Reference)	UST		RCRA	4		TO	OTHER			
(217	(217) 753-8911 Fax	Project Name			Project Manager								S	Site Location	ation		-			30	02	5	7
uested	Requested Due Date/TAT: 10 day	Project Number: 2285			Profile #									53	STATE:		2	1)	\sim	0	-
											Regu	Requested	Anal	Analysis Filtered (Y/N)	terec	I (YIN							
Sect	Section D Valid Matrix Codes Required Client Information MATRIX COL	Sobe CODE	COLLECTED			Pres	Preservatives		N/A												0	3	
	DRINKHNS WATER WASTER WASTER WASTER SOUZOUCT SOUZOUD GILL	eabos bilev aae		COLLECTION	S				1			i				907	202-102		(N/A)				
V/	SAMPLE ID AWPE ARE (A-Z. 0-9/) OTHER Sample IDs MUST BE UNIQUE TISSUE	\$ 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	DATE	# TA GMPLE TEMP AT C	# OF CONTAINER	HNO ³ H ⁵ 2O ⁴	NaOH NaOH So _s O _s	Methanol Other	taeT sisylsnA	OC-267-205	OC-842-502	0C-842-201-205	OC-267-203	OC-267-204	OC-811-204	OC-MACE-203-3	OC-CTORNKE-3		Residual Chlorine	P	Project No./ Lab I.D.	Lab	٥
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	2			Hints	1	1	1	3	18	13			1	70.72	a		22	6	5	>	1	+	5
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			PRINT Nam	Name of SAMPLER:	スツ	ィイ	DUC.											, uị d		bavis N/Y)	(botal	(Y) 19	ci (Y/i
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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

tion A tired Client	Section A Required Client Information	Section B Required Project Information	nation		SO =	Section C Invoice Information	Ema	LION														Page	co.		ĵo	DC-2
Company:	Vistra Corp	Report To. Brian Voelker	elker		⋖	Attention		Jason	Jason Stuckey	ey					Г						1					
Address	13498 E. 900th St	Copy To Jason Stuckey	uckey		O	Company Name	Nam		Vistra Corp	orp					-					REG	JLATO	RY A	REGULATORY AGENCY	L		
					×.	Address		see Se	see Section A	K						Z	NPDES		GR	ONNO	GROUND WATER	-	DRII	DRINKING WATER	/ATER	
Email To:	Brian Voelker@VistraCorp com	Purchase Order No.			0 0	Quote										\supset	UST		RCRA	S		O	OTHER			
Phone (217)	(217) 753-8911 Fax	Project Name:			a ≥	Project Manager.										S	Site Location	ation	L				50	C	300	×
uested (Requested Due Date/TAT: 10 day	Project Number, 2285	2		a.	Profile #											S	STATE:			ا د)	8	$\mathcal{L}_{\mathcal{A}}$
											Н		2	Requested Analysis Filtered (Y/N)	sted	Analy	Sis	Itere	(X)	î		Н			C	
Section	Section D Valid Matrix Codes Required Cluent Information MATRIX CODE	cope (file of the other)	COLL	COLLECTED	1			resen	Preservatives	S	N/A															
S)	SAMPLE ID (A-Z. 0-9 / -) Sample IDs MUST BE UNIQUE TISSUE	## ## ## ## ## ## ## ## ## ## ## ## ##	DATE	P. P	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	*OSZH	нсі ниО ³	HO ₈ V S ₂ O ₃ O ₃	lonsitisM	Test Test	OC-267-205	000-SUP-000	0C-842-502	0C-842-501-505	0C-S21-S03	OC-SQ1-50¢	C-811-20 4	OC-MbCb-S03-S06	OC-CLOSURE-201-202		(V/V) Shiring (Y/V)	0.	Project No./ Lab.LD	de l'o	9
0	5.35	J /m	7-10-13	1124	I	2		-				-	-	2	-	-	-	+	_		T	+				
3	551	1	7-10-23	1050		3		K			1					-	-									
X	301 PUMP LOUSE	2	7-20-23	1512		=	×	×																		
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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Section C Section B 7 7 Section A Page: Required Project Information Required Client Information Invoice Information Attention Jason Stuckey Report To Brian Voelker Company Vistra Corp Company Name Vistra Corp REGULATORY AGENCY Address. Copy To: Jason Stuckey 13498 E. 900th St Address see Section A NPDES **GROUND WATER** DRINKING WATER Quote OTHER Purchase Order No UST **RCRA** Email To Brian.Voelker@VistraCorp.com Reference Project Name Site Location 6604 Phone. (217) 753-8911 Manage Profile # Project Number 2285 STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) N/A Section D Valid Matrix Codes C=COMP) COLLECTED Preservatives MATRIX CODE Required Client Information DRINKING WATER COLLECTION DC-CLOSURE-201-202 WASTE WATER ww (G=GRAB PRODUCT DC-WPCP-203-206 S0IU50110 Chlorine (CONTAINERS Analysis Test SAMPLE ID A'R OTHER Unpreserved H₂SO₄ HNO₃ DC-SUP-000 (A-Z, 0-9 / ,-) DC-845-205 DC-845-201-DC-845-203 DC-257-203 DC-257-204 DC-811-204 DC-257-205 SAMPLE TYPE Sample IDs MUST BE UNIQUE HCI NaOH Na₂S₂O₃ Methanol Residual (ITEM # Project No./ Lab I.D. DATE 8 7125/23 1515 OM17 XXX 1424 OMOYS 2 Ei R 1201 0R040 3 2 1351 1310 10 R6/L 5 1219 16 X X X 30 2 1/21 3 X 1031 EB8 EB9 1601 8 X X 1615 10 10 1121 11 6645 1623 11 1435 G025 13 11 | 1 | 1 BA 02 1247 14 15 16 SAMPLE CONDITIONS TIME TIME ACCEPTED BY / AFFILIATION DATE ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DC-23Q3 Rev 0 Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples ntact (Y/N) SAMPLER NAME AND SIGNATURE Ò PRINT Name of SAMPLER: DATE Signed SIGNATURE of SAMPLER; (MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document

G6044 N DRINKING WATER of REGULATORY AGENCY OTHER GROUND WATER RCRA Site Location NPDES UST The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Company Name: Vistra Corp Jason Stuckey see Section A invoice Information: Section C Attention: Address Copy To: Jason Stuckey Section B Required Project Information: Report To: Brian Voelker urchase Order No. Project Name Brian.Voelker@VistraCorp.com 13498 E. 900th St (217) 753-8911 Vistra Corp Section A Required Client Information. Email To: -hone:

Requ	Requested Due Date/TAT: 10 day	Project Number: 2285	85			α	Profile #									\dashv		STA	STATE:		!		<u> </u>		0%	A
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Address: 134	13498 E. 900th St	Copy To: Jason Stuckey	Stuckey		Company Name:	1	Vistra Corp								REG	REGULATORY AGENCY	3Y AGE	ENCY			C-25
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8	Brian. Voelker@VistraCorp.com	Purchase Order No.:			Quote							UST	-	æ	RCRA		Ė	OTHER			
Phone: (217) 753-8911	53-8911 Fax:	Project Name:			Project						-	Site	Site Location	tion			-	2	CZ-0110.	8	T
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Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

January 02, 2024

Daryl Johnson Vistra - Duck Creek 17751 North Cilco Road Canton, IL 61520-8761

Dear Daryl Johnson:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Sincerely,

Diane Billings Project Manager

Daine Bellings

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

GJ03182

Work Order

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Customer #: 72-104337 www.pacelabs.com

10/	0-4	C 102740
VVOIK	Order	GJ03740

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
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YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
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YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

ANALYTICAL RESULTS

Sample: GJ03740-03 Name: G02S

Matrix: Ground Water - Grab

Sampled: 10/19/23 14:30 **Received:** 10/19/23 16:42

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	2.3	mg/L	1	0/20/23 17:33	1	1.0	10/20/23 17:33	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	1	0/20/23 17:33	1	0.250	10/20/23 17:33	CRD	EPA 300.0 REV 2.1
Sulfate	< 1.0	mg/L	1	0/20/23 17:33	1	1.0	10/20/23 17:33	CRD	EPA 300.0 REV 2.1
<u>Field - PIA</u>									
Depth, From Measuring Point	14.21	Feet	1	0/19/23 14:30	1		10/19/23 14:30	FIELD	Field*
Dissolved oxygen, Field	0.50	mg/L	1	0/19/23 14:30	1		10/19/23 14:30	FIELD	Field*
Oxidation Reduction Potential	-97.0	mV	1	0/19/23 14:30	1	-500	10/19/23 14:30	FIELD	Field*
pH, Field Measured	6.71	pH Units	1	0/19/23 14:30	1		10/19/23 14:30	FIELD	Field*
Specific Conductance, Field Measured	873.0	umhos/cm	1	0/19/23 14:30	1		10/19/23 14:30	FIELD	Field*
Temperature, Field Measured	56.7	°F	1	0/19/23 14:30	1		10/19/23 14:30	FIELD	Field*
Temperature, Field Measured	13.7	°C	1	0/19/23 14:30	1		10/19/23 14:30	FIELD	Field*
Turbidity, Field Measured	0.100	NTU	1	0/19/23 14:30	1	0.00	10/19/23 14:30	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	420	mg/L	1	1/01/23 09:54	1	10	11/01/23 09:54	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	1	1/01/23 09:54	1	10	11/01/23 09:54	CPS	SM 2320B 1997*
Soluble General Chemistry -	PIA								
Solids - total dissolved solids (TDS)	430	mg/L	1	0/24/23 11:20	1	26	10/24/23 15:20	ogs	SM 2540C
Total Metals - PIA									
Boron	40	ug/L	1	0/23/23 09:11	5	10	10/26/23 12:22	TJJ	EPA 6020A
Calcium	96	mg/L	1	0/23/23 09:11	5	0.20	10/25/23 16:07	TJJ	EPA 6020A
Magnesium	38	mg/L	1	0/23/23 09:11	5	0.10	10/25/23 16:07	TJJ	EPA 6020A
Potassium	0.72	mg/L	1	0/23/23 09:11	5	0.10	10/25/23 16:07	TJJ	EPA 6020A
Sodium	14	mg/L	1	0/23/23 09:11	5	0.10	10/25/23 16:07	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ03961-08 Name: G57S

Matrix: Ground Water - Grab

Sampled: 10/20/23 12:47 **Received:** 10/20/23 16:14

Parameter	Result	Unit	Qualifier Pre	epared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	15	mg/L	10/21	/23 02:56	10	10	10/21/23 02:56	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	10/25	/23 04:55	1	0.250	10/25/23 04:55	TMS	EPA 300.0 REV 2.1
Sulfate	46	mg/L	10/21	/23 02:56	10	10	10/21/23 02:56	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	24.83	Feet	10/20	/23 12:47	1		10/20/23 12:47	FIELD	Field*
Dissolved oxygen, Field	9.2	mg/L	10/20	/23 12:47	1		10/20/23 12:47	FIELD	Field*
Oxidation Reduction Potential	78.0	mV	10/20	/23 12:47	1	-500	10/20/23 12:47	FIELD	Field*
pH, Field Measured	6.41	pH Units	10/20	/23 12:47	1		10/20/23 12:47	FIELD	Field*
Specific Conductance, Field	1400	umhos/cm	10/20	/23 12:47	1		10/20/23 12:47	FIELD	Field*
Measured Temperature, Field Measured	15.0	°C	10/20	/23 12:47	1		10/20/23 12:47	FIELD	Field*
Temperature, Field Measured	59.0	°F	10/20	/23 12:47	1		10/20/23 12:47	FIELD	Field*
Turbidity, Field Measured	36.2	NTU	10/20	/23 12:47	1	0.00	10/20/23 12:47	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	710	mg/L	11/01/	/23 09:54	1	10	11/01/23 09:54	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	11/01/	/23 09:54	1	10	11/01/23 09:54	CPS	SM 2320B 1997*
Soluble General Chemistry - P	<u>IA</u>								
Solids - total dissolved solids (TDS)	820	mg/L	10/25	/23 11:18	1	26	10/25/23 15:27	CPS	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L	10/23	/23 09:11	5	10	10/26/23 12:26	TJJ	EPA 6020A
Calcium	170	mg/L	10/23	/23 09:11	5	0.20	10/25/23 17:21	TJJ	EPA 6020A
Magnesium	99	mg/L	10/23	/23 09:11	5	0.10	10/25/23 17:21	TJJ	EPA 6020A
Potassium	0.45	mg/L	10/23	/23 09:11	5	0.10	10/25/23 17:21	TJJ	EPA 6020A
Sodium	12	mg/L	10/23	/23 09:11	5	0.10	10/25/23 17:21	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04131-02 Name: G50S

Matrix: Ground Water - Grab

Sampled: 10/23/23 16:09 **Received:** 10/23/23 17:34

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	10	mg/L	Q4	10/30/23 22:18	10	10	10/30/23 22:18	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		10/30/23 21:23	1	0.250	10/30/23 21:23	CRD	EPA 300.0 REV 2.1
Sulfate	42	mg/L	Q4	10/30/23 22:18	10	10	10/30/23 22:18	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	18.94	Feet		10/23/23 16:09	1		10/23/23 16:09	FIELD	Field*
Dissolved oxygen, Field	48	mg/L		10/23/23 16:09	1		10/23/23 16:09	FIELD	Field*
Oxidation Reduction Potential	-47.0	mV		10/23/23 16:09	1	-500	10/23/23 16:09	FIELD	Field*
pH, Field Measured	7.08	pH Units		10/23/23 16:09	1		10/23/23 16:09	FIELD	Field*
Specific Conductance, Field	747.0	umhos/cm		10/23/23 16:09	1		10/23/23 16:09	FIELD	Field*
Measured Temperature, Field Measured	64.0	°F		10/23/23 16:09	1		10/23/23 16:09	FIELD	Field*
Temperature, Field	17.8	°C		10/23/23 16:09	1		10/23/23 16:09	FIELD	Field*
Measured Turbidity, Field Measured	21.8	NTU		10/23/23 16:09	1	0.00	10/23/23 16:09	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	340	mg/L		11/02/23 13:24	1	10	11/02/23 13:24	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L		11/02/23 13:24	1	10	11/02/23 13:24	CPS	SM 2320B 1997*
Soluble General Chemistry - F	<u>PIA</u>								
Solids - total dissolved solids (TDS)	610	mg/L		10/25/23 11:20	1	26	10/25/23 14:25	OGS	SM 2540C
Total Metals - PIA									
Boron	22	ug/L		10/26/23 08:40	5	10	11/01/23 11:39	TJJ	EPA 6020A
Calcium	87	mg/L		10/26/23 08:40	5	0.20	10/31/23 14:29	TJJ	EPA 6020A
Magnesium	35	mg/L		10/26/23 08:40	5	0.10	10/31/23 14:29	TJJ	EPA 6020A
Potassium	0.33	mg/L		10/26/23 08:40	5	0.10	10/31/23 14:29	TJJ	EPA 6020A
Sodium	8.8	mg/L		10/26/23 08:40	5	0.10	10/31/23 14:29	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04131-03 Name: G60L

Matrix: Ground Water - Grab

Sampled: 10/23/23 11:48 **Received:** 10/23/23 17:34

Parameter	Result	Unit	Qualifier Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA								
Chloride	9.3	mg/L	10/30/23 22:54	5	5.0	10/30/23 22:54	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	10/30/23 22:36	1	0.250	10/30/23 22:36	CRD	EPA 300.0 REV 2.1
Sulfate	170	mg/L	10/30/23 23:12	25	25	10/30/23 23:12	CRD	EPA 300.0 REV 2.1
<u>Field - PIA</u>								
Depth, From Measuring Point	19.26	Feet	10/23/23 11:48	1		10/23/23 11:48	FIELD	Field*
Dissolved oxygen, Field	2.9	mg/L	10/23/23 11:48	1		10/23/23 11:48	FIELD	Field*
Oxidation Reduction Potential	68.0	mV	10/23/23 11:48	1	-500	10/23/23 11:48	FIELD	Field*
pH, Field Measured	5.99	pH Units	10/23/23 11:48	1		10/23/23 11:48	FIELD	Field*
Specific Conductance, Field	885.0	umhos/cm	10/23/23 11:48	1		10/23/23 11:48	FIELD	Field*
Measured Temperature, Field Measured	58.0	°F	10/23/23 11:48	1		10/23/23 11:48	FIELD	Field*
Temperature, Field Measured	14.4	°C	10/23/23 11:48	1		10/23/23 11:48	FIELD	Field*
Turbidity, Field Measured	7.80	NTU	10/23/23 11:48	1	0.00	10/23/23 11:48	FIELD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as CaCO3	290	mg/L	11/02/23 13:24	1	10	11/02/23 13:24	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	11/02/23 13:24	1	10	11/02/23 13:24	CPS	SM 2320B 1997*
Soluble General Chemistry -	PIA							
Solids - total dissolved solids (TDS)	600	mg/L	10/25/23 11:20	1	26	10/25/23 14:25	ogs	SM 2540C
Total Metals - PIA								
Boron	28	ug/L	10/26/23 08:40	5	10	11/01/23 11:43	TJJ	EPA 6020A
Calcium	91	mg/L	10/26/23 08:40	5	0.20	10/31/23 14:33	TJJ	EPA 6020A
Magnesium	39	mg/L	10/26/23 08:40	5	0.10	10/31/23 14:33	TJJ	EPA 6020A
Potassium	0.34	mg/L	10/26/23 08:40	5	0.10	10/31/23 14:33	TJJ	EPA 6020A
Sodium	34	mg/L	10/26/23 08:40	5	0.10	10/31/23 14:33	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04861-01 Name: G51S

Matrix: Ground Water - Grab

Sampled: 10/26/23 11:55 **Received:** 10/27/23 07:15

Parameter	Result	Unit	Qualifier Prepa	red Dilution	n MRL	Analyzed	Analyst	Method
Anions - PIA								
Chloride	14	mg/L	11/07/23	03:18 10	10	11/07/23 03:18	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	11/07/23	03:00 1	0.250	11/07/23 03:00	CRD	EPA 300.0 REV 2.1
Sulfate	60	mg/L	11/07/23	03:18 10	10	11/07/23 03:18	CRD	EPA 300.0 REV 2.1
Field - PIA								
Depth, From Measuring Point	19.95	Feet	10/26/23	11:55 1		10/26/23 11:55	FIELD	Field*
Dissolved oxygen, Field	0.77	mg/L	10/26/23	11:55 1		10/26/23 11:55	FIELD	Field*
Oxidation Reduction Potential	-81.0	mV	10/26/23	11:55 1	-500	10/26/23 11:55	FIELD	Field*
pH, Field Measured	7.12	pH Units	10/26/23	11:55 1		10/26/23 11:55	FIELD	Field*
Specific Conductance, Field	801.0	umhos/cm	10/26/23	11:55 1		10/26/23 11:55	FIELD	Field*
Measured Temperature, Field Measured	58.6	°F	10/26/23	11:55 1		10/26/23 11:55	FIELD	Field*
Temperature, Field Measured	14.8	°C	10/26/23	11:55 1		10/26/23 11:55	FIELD	Field*
Turbidity, Field Measured	18.1	NTU	10/26/23	11:55 1	0.00	10/26/23 11:55	FIELD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as	310	mg/L	11/07/23	09:23 1	10	11/07/23 09:23	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L	11/07/23	09:23 1	10	11/07/23 09:23	CPS	SM 2320B 1997*
Soluble General Chemistry - I	PIA							
Solids - total dissolved solids (TDS)	420	mg/L	10/27/23	13:11 1	26	10/27/23 14:54	LAL2	SM 2540C
Total Metals - PIA								
Boron	< 10	ug/L	11/01/23	09:04 5	10	11/07/23 09:23	TJJ	EPA 6020A
Calcium	91	mg/L	11/01/23	09:04 5	0.20	11/06/23 14:44	TJJ	EPA 6020A
Magnesium	39	mg/L	11/01/23	09:04 5	0.10	11/06/23 14:44	TJJ	EPA 6020A
Potassium	0.33	mg/L	11/01/23	09:04 5	0.10	11/06/23 14:44	TJJ	EPA 6020A
Sodium	7.1	mg/L	11/01/23	09:04 5	0.10	11/06/23 14:44	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04861-04 Name: G64L

Matrix: Ground Water - Grab

Sampled: 10/26/23 13:53 **Received:** 10/27/23 07:15

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	2.9	mg/L		11/07/23 04:30	1	1.0	11/07/23 04:30	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		11/07/23 04:30	1	0.250	11/07/23 04:30	CRD	EPA 300.0 REV 2.1
Sulfate	41	mg/L		11/07/23 04:48	25	25	11/07/23 04:48	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	24.66	Feet		10/26/23 13:53	1		10/26/23 13:53	FIELD	Field*
Dissolved oxygen, Field	3.4	mg/L		10/26/23 13:53	1		10/26/23 13:53	FIELD	Field*
Oxidation Reduction Potential	14.0	mV		10/26/23 13:53	1	-500	10/26/23 13:53	FIELD	Field*
pH, Field Measured	6.82	pH Units		10/26/23 13:53	1		10/26/23 13:53	FIELD	Field*
Specific Conductance, Field	1000	umhos/cm		10/26/23 13:53	1		10/26/23 13:53	FIELD	Field*
Measured Temperature, Field Measured	16.2	°C		10/26/23 13:53	1		10/26/23 13:53	FIELD	Field*
Temperature, Field	61.1	°F		10/26/23 13:53	1		10/26/23 13:53	FIELD	Field*
Measured Turbidity, Field Measured	9.40	NTU		10/26/23 13:53	1	0.00	10/26/23 13:53	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	480	mg/L		11/07/23 09:23	1	10	11/07/23 09:23	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L		11/07/23 09:23	1	10	11/07/23 09:23	CPS	SM 2320B 1997*
Soluble General Chemistry - F	PIA								
Solids - total dissolved solids (TDS)	540	mg/L		10/27/23 13:11	1	26	10/27/23 14:54	LAL2	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		11/01/23 09:04	5	10	11/07/23 09:31	TJJ	EPA 6020A
Calcium	110	mg/L		11/01/23 09:04	5	0.20	11/06/23 14:52	TJJ	EPA 6020A
Magnesium	61	mg/L		11/01/23 09:04	5	0.10	11/06/23 14:52	TJJ	EPA 6020A
Potassium	0.14	mg/L		11/01/23 09:04	5	0.10	11/06/23 14:52	TJJ	EPA 6020A
Sodium	8.0	mg/L		11/01/23 09:04	5	0.10	11/06/23 14:52	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04861-05 Name: G64S

Matrix: Ground Water - Grab

Sampled: 10/26/23 13:38 **Received:** 10/27/23 07:15

Parameter	Result	Unit	Qualifier Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA								
Chloride	4.1	mg/L	11/07/23 05:07	1	1.0	11/07/23 05:07	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	11/07/23 05:07	1	0.250	11/07/23 05:07	CRD	EPA 300.0 REV 2.1
Sulfate	26	mg/L	11/07/23 06:39	5	5.0	11/07/23 06:39	CRD	EPA 300.0 REV 2.1
Field - PIA								
Depth, From Measuring Point	25.6	Feet	10/26/23 13:38	1		10/26/23 13:38	FIELD	Field*
Dissolved oxygen, Field	1.2	mg/L	10/26/23 13:38	1		10/26/23 13:38	FIELD	Field*
Oxidation Reduction Potential	-44.0	mV	10/26/23 13:38	1	-500	10/26/23 13:38	FIELD	Field*
pH, Field Measured	6.89	pH Units	10/26/23 13:38	1		10/26/23 13:38	FIELD	Field*
Specific Conductance, Field Measured	874.0	umhos/cm	10/26/23 13:38	1		10/26/23 13:38	FIELD	Field*
Temperature, Field Measured	15.6	°C	10/26/23 13:38	1		10/26/23 13:38	FIELD	Field*
Temperature, Field Measured	60.0	°F	10/26/23 13:38	1		10/26/23 13:38	FIELD	Field*
Turbidity, Field Measured	25.5	NTU	10/26/23 13:38	1	0.00	10/26/23 13:38	FIELD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as CaCO3	400	mg/L	11/07/23 09:23	1	10	11/07/23 09:23	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	11/07/23 09:23	1	10	11/07/23 09:23	CPS	SM 2320B 1997*
Soluble General Chemistry -	PIA							
Solids - total dissolved solids (TDS)	440	mg/L	10/27/23 13:11	1	26	10/27/23 14:54	LAL2	SM 2540C
Total Metals - PIA								
Boron	13	ug/L	11/01/23 09:04	5	10	11/07/23 09:45	TJJ	EPA 6020A
Calcium	98	mg/L	11/01/23 09:04	5	0.20	11/06/23 14:55	TJJ	EPA 6020A
Magnesium	46	mg/L	11/01/23 09:04	5	0.10	11/06/23 14:55	TJJ	EPA 6020A
Potassium	0.55	mg/L	11/01/23 09:04	5	0.10	11/06/23 14:55	TJJ	EPA 6020A
Sodium	13	mg/L	11/01/23 09:04	5	0.10	11/06/23 14:55	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04861-10

Name: X301

Matrix: Ground Water - Grab

Sampled: 10/26/23 15:30

Received: 10/27/23 07:15 **PO #:** 1728919

Parameter	Result	Unit	Qualifier Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA								_
Chloride	3500	mg/L	11/07/23 06:58	500	500	11/07/23 06:58	CRD	EPA 300.0 REV 2.1
Sulfate	6500	mg/L	11/07/23 14:22	1000	1000	11/07/23 14:22	CRD	EPA 300.0 REV 2.1
Field - PIA								
Dissolved oxygen, Field	6.4	mg/L	10/26/23 15:30	1		10/26/23 15:30	FIELD	Field*
Temperature, Field Measured	65.3	°F	10/26/23 15:30	1		10/26/23 15:30	FIELD	Field*
General Chemistry - PIA								
Alkalinity - bicarbonate as CaCO3	6.0	mg/L	11/07/23 09:24	1	2.0	11/07/23 09:24	CPS	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L	11/07/23 09:24	1	2.0	11/07/23 09:24	CPS	SM 2320B 1997*
Total Metals - PIA								
Calcium	610	mg/L	11/01/23 09:04	100	4.0	11/08/23 09:58	TJJ	EPA 6020A
Magnesium	1800	mg/L	11/01/23 09:04	1000	20	11/07/23 10:54	TJJ	EPA 6020A
Potassium	53	mg/L	11/01/23 09:04	5	0.10	11/06/23 15:15	TJJ	EPA 6020A
Sodium	370	mg/L	11/01/23 09:04	5	0.10	11/06/23 15:15	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04997-05 Name: G54L

Matrix: Ground Water - Grab

Sampled: 10/27/23 13:38 **Received:** 10/27/23 16:49

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	43	mg/L	11/	08/23 03:26	5	5.0	11/08/23 03:26	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L	11/	08/23 03:07	1	0.250	11/08/23 03:07	CRD	EPA 300.0 REV 2.1
Sulfate	110	mg/L	11/	08/23 03:45	25	25	11/08/23 03:45	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	21.18	Feet	10/	27/23 13:38	1		10/27/23 13:38	FIELD	Field*
Dissolved oxygen, Field	1.8	mg/L	10/	27/23 13:38	1		10/27/23 13:38	FIELD	Field*
Oxidation Reduction Potential	-17.0	mV	10/	27/23 13:38	1	-500	10/27/23 13:38	FIELD	Field*
pH, Field Measured	6.53	pH Units	10/	27/23 13:38	1		10/27/23 13:38	FIELD	Field*
Specific Conductance, Field	1610	umhos/cm	10/	27/23 13:38	1		10/27/23 13:38	FIELD	Field*
Measured Temperature, Field Measured	61.0	°F	10/	27/23 13:38	1		10/27/23 13:38	FIELD	Field*
Temperature, Field Measured	18.1	°C	10/	27/23 13:38	1		10/27/23 13:38	FIELD	Field*
Turbidity, Field Measured	< 0.00	NTU	10/	27/23 13:38	1	0.00	10/27/23 13:38	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	590	mg/L	11/	09/23 14:47	1	10	11/09/23 14:47	LAL2/CP S	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 10	mg/L	11/	09/23 14:47	1	10	11/09/23 14:47	LAL2/CP S	SM 2320B 1997*
Soluble General Chemistry -	PIA								
Solids - total dissolved solids (TDS)	930	mg/L	10/	/31/23 11:02	1	26	10/31/23 13:33	ogs	SM 2540C
Total Metals - PIA									
Boron	38	ug/L	11/	02/23 08:47	5	10	11/10/23 10:11	TJJ	EPA 6020A
Calcium	190	mg/L	11/	02/23 08:47	5	0.20	11/09/23 10:44	TJJ	EPA 6020A
Magnesium	97	mg/L	11/	02/23 08:47	5	0.10	11/09/23 10:44	TJJ	EPA 6020A
Potassium	0.36	mg/L	11/	02/23 08:47	5	0.10	11/09/23 10:44	TJJ	EPA 6020A
Sodium	12	mg/L	11/	02/23 08:47	5	0.10	11/09/23 10:44	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ04997-06 **Name:** G54S

Matrix: Ground Water - Grab

Sampled: 10/27/23 11:54 **Received:** 10/27/23 16:49

Fluoride	sult Unit	arameter	Qualifier Prepared	Dilution	MRL	Analyzed	Analyst	Method
Fluoride		nions - PIA						
Sulfate 33 mg/L 11/08/23 05:00 5 5.0 11/08/23 05:00 CRD E Field - PIA Depth, From Measuring Point 23.23 Feet 10/27/23 11:54 1 10/27/23 11:54 FIELD PIELD	4.5 mg/L	chloride	11/08/23 04:04	1	1.0	11/08/23 04:04	CRD	EPA 300.0 REV 2.1
Pield - PIA PIA Pield - PIA Pield - PIA Pield - PIA Pield - PIA Pield - PIA Pield - PIA Pield - PIA Pield Pied -	250 mg/L	luoride	11/08/23 04:04	1	0.250	11/08/23 04:04	CRD	EPA 300.0 REV 2.1
Depth, From Measuring	33 mg/L	ulfate	11/08/23 05:00	5	5.0	11/08/23 05:00	CRD	EPA 300.0 REV 2.1
Point Dissolved oxygen, Field 1.5 mg/L 10/27/23 11:54 1 10/27/23 11:54 FIELD		ield - PIA						
Dissolved oxygen, Field 1.5 mg/L 10/27/23 11:54 1 10/27/23 11:54 FIELD	.23 Feet		10/27/23 11:54	1		10/27/23 11:54	FIELD	Field*
Potential Ph. Field Measured 6.77 Ph Units 10/27/23 11:54 1 10/27/23 11:54 FIELD	1.5 mg/L		10/27/23 11:54	1		10/27/23 11:54	FIELD	Field*
pH, Field Measured 6.77 pH Units 10/27/23 11:54 1 10/27/23 11:54 FIELD Specific Conductance, Field Measured 1030 umhos/cm 10/27/23 11:54 1 10/27/23 11:54 FIELD Measured Temperature, Field Measured 15.4 °C 10/27/23 11:54 1 10/27/23 11:54 FIELD Measured Turbidity, Field Measured 15.4 NTU 10/27/23 11:54 1 0.00 10/27/23 11:54 FIELD General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 410 mg/L 11/09/23 14:47 1 10 11/09/23 14:47 LAL2/CP S CACO3 Alkalinity - carbonate as CaCO3 4 11/09/23 14:47 1 10 11/09/23 14:47 LAL2/CP S CACO3 Soluble General Chemistry - PIA Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) 550 mg/L 10/31/23 11:02 1 26 10/31/23 13:33 OGS Total Metals - PIA Boron 48 ug/L 11/02/23 08	6.0 mV		10/27/23 11:54	1	-500	10/27/23 11:54	FIELD	Field*
Measured Temperature, Field 15.4 °C 10/27/23 11:54 1 10/27/23 11:54 FIELD Measured 59.8 °F 10/27/23 11:54 1 10/27/23 11:54 FIELD Measured 1tribidity, Field Measured 15.4 NTU 10/27/23 11:54 1 0.00 10/27/23 11:54 FIELD General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 410 mg/L 11/09/23 14:47 1 10 11/09/23 14:47 LAL2/CP S CaCO3 Alkalinity - carbonate as CaCO3 <10	.77 pH Units		10/27/23 11:54	1		10/27/23 11:54	FIELD	Field*
Temperature, Field Measured Measured Temperature, Field Measured Temperature, Field Measured Turbidity, Field Measured Turbid	030 umhos/cm	•	10/27/23 11:54	1		10/27/23 11:54	FIELD	Field*
Temperature, Field Measured 59.8 °F 10/27/23 11:54 1 10/27/23 11:54 FIELD Measured Turbidity, Field Measured 15.4 NTU 10/27/23 11:54 1 0.00 10/27/23 11:54 FIELD Measured 15.4 NTU 10/27/23 11:54 1 0.00 10/27/23 11:54 FIELD Measured Turbidity, Field Measured 15.4 NTU 10/27/23 11:54 1 0.00 10/27/23 11:54 FIELD Measured Turbidity, Field Measured 15.4 NTU 10/27/23 11:54 11/09/23 11:54 FIELD Measured Turbidity, Field Measured FIELD Measured Turbidity, Field Measured FIELD Measured Turbidity, Field Measured FIELD Meas	5.4 °C	emperature, Field	10/27/23 11:54	1		10/27/23 11:54	FIELD	Field*
General Chemistry - PIA Alkalinity - bicarbonate as CaCO3 410 mg/L 11/09/23 14:47 1 10 11/09/23 14:47 LAL2/CP S S Alkalinity - carbonate as CaCO3 < 10	9.8 °F	emperature, Field	10/27/23 11:54	1		10/27/23 11:54	FIELD	Field*
Alkalinity - bicarbonate as 410 mg/L 11/09/23 14:47 1 10 11/09/23 14:47 LAL2/CP S Alkalinity - carbonate as < 10 mg/L 11/09/23 14:47 1 10 11/09/23 14:47 LAL2/CP S S S S S S S S S S S S S S S S S S S	5.4 NTU		10/27/23 11:54	1	0.00	10/27/23 11:54	FIELD	Field*
CaCO3 Alkalinity - carbonate as		Seneral Chemistry - PIA						
Alkalinity - carbonate as color mg/L 11/09/23 14:47 1 10 11/09/23 14:47 LAL2/CP S Soluble General Chemistry - PIA Solids - total dissolved solids (TDS) Total Metals - PIA Boron 48 ug/L 11/02/23 08:47 5 10 11/10/23 10:15 TJJ Calcium 120 mg/L 11/02/23 08:47 5 0.20 11/09/23 10:48 TJJ	110 mg/L		11/09/23 14:47	1	10	11/09/23 14:47		SM 2320B 1997*
Solids - total dissolved solids (TDS) Total Metals - PIA Boron 48 ug/L 11/02/23 08:47 5 10 11/10/23 10:15 TJJ Calcium 120 mg/L 11/02/23 08:47 5 0.20 11/09/23 10:48 TJJ	10 mg/L	lkalinity - carbonate as	11/09/23 14:47	1	10	11/09/23 14:47	LAL2/CP	SM 2320B 1997*
solids (TDS) Total Metals - PIA Boron 48 ug/L 11/02/23 08:47 5 10 11/10/23 10:15 TJJ Calcium 120 mg/L 11/02/23 08:47 5 0.20 11/09/23 10:48 TJJ		oluble General Chemistry - PIA						
Boron 48 ug/L 11/02/23 08:47 5 10 11/10/23 10:15 TJJ Calcium 120 mg/L 11/02/23 08:47 5 0.20 11/09/23 10:48 TJJ	550 mg/L		10/31/23 11:02	1	26	10/31/23 13:33	OGS	SM 2540C
Calcium 120 mg/L 11/02/23 08:47 5 0.20 11/09/23 10:48 TJJ		otal Metals - PIA						
• • • • • • • • • • • • • • • • • • • •	48 ug/L	oron	11/02/23 08:47	5	10	11/10/23 10:15	TJJ	EPA 6020A
	120 mg/L	alcium	11/02/23 08:47	5	0.20	11/09/23 10:48	TJJ	EPA 6020A
Magnesium 50 mg/L 11/02/23 08:47 5 0.10 11/09/23 10:48 TJJ	50 mg/L	lagnesium	11/02/23 08:47	5	0.10	11/09/23 10:48	TJJ	EPA 6020A
Potassium 0.68 mg/L 11/02/23 08:47 5 0.10 11/09/23 10:48 TJJ	.68 mg/L	otassium	11/02/23 08:47	5	0.10	11/09/23 10:48	TJJ	EPA 6020A
Sodium 10 mg/L 11/02/23 08:47 5 0.10 11/09/23 10:48 TJJ	10 mg/L	odium	11/02/23 08:47	5	0.10	11/09/23 10:48	TJJ	EPA 6020A

ANALYTICAL RESULTS

Sample: GJ05390-01 Name: G60S

Matrix: Ground Water - Grab

Sampled: 10/31/23 10:27 **Received:** 10/31/23 15:25

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	8.4	mg/L	Q1	11/07/23 21:37	1	1.0	11/07/23 21:37	TMS	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		11/07/23 21:37	1	0.250	11/07/23 21:37	TMS	EPA 300.0 REV 2.1
Sulfate	74	mg/L	Q4	11/07/23 22:31	10	10	11/07/23 22:31	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	25.84	Feet		10/31/23 10:27	1		10/31/23 10:27	FIELD	Field*
Dissolved oxygen, Field	3.0	mg/L		10/31/23 10:27	1		10/31/23 10:27	FIELD	Field*
Oxidation Reduction Potential	-10.0	mV		10/31/23 10:27	1	-500	10/31/23 10:27	FIELD	Field*
pH, Field Measured	6.64	pH Units		10/31/23 10:27	1		10/31/23 10:27	FIELD	Field*
Specific Conductance, Field	953.0	umhos/cm		10/31/23 10:27	1		10/31/23 10:27	FIELD	Field*
Measured Temperature, Field	9.6	°C		10/31/23 10:27	1		10/31/23 10:27	FIELD	Field*
Measured Temperature, Field	49.2	°F		10/31/23 10:27	1		10/31/23 10:27	FIELD	Field*
Measured Turbidity, Field Measured	>1000	NTU		10/31/23 10:27	1	0.00	10/31/23 10:27	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	500	mg/L		11/13/23 09:44	1	10	11/13/23 09:44	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L		11/13/23 09:44	1	10	11/13/23 09:44	CPS	SM 2320B 1997*
Soluble General Chemistry - F	PIA								
Solids - total dissolved solids (TDS)	660	mg/L		11/01/23 13:44	1	26	11/01/23 15:44	LAL2	SM 2540C
Total Metals - PIA									
Boron	38	ug/L		11/02/23 08:47	5	10	11/10/23 11:07	TJJ	EPA 6020A
Calcium	180	mg/L		11/02/23 08:47	5	0.20	11/09/23 11:50	TJJ	EPA 6020A
Magnesium	77	mg/L		11/02/23 08:47	5	0.10	11/09/23 11:50	TJJ	EPA 6020A
Potassium	4.3	mg/L		11/02/23 08:47	5	0.10	11/09/23 11:50	TJJ	EPA 6020A
Sodium	12	mg/L		11/02/23 08:47	5	0.10	11/09/23 11:50	TJJ	EPA 6020A

				Spike	Source		%REC		RPE
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Lim
Batch B347107 - SW 3015 - EPA 6020A									
Blank (B347107-BLK1)				Prepared: 1	10/23/23 Anal	yzed: 10/26/2	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B347107-BS1)					10/23/23 Anal				
Boron	518	ug/L		555.6		93	80-120		
Calcium	5.61	mg/L		5.556		101	80-120		
Magnesium	5.79	mg/L		5.556		104	80-120		
Potassium	5.80	mg/L		5.556		104	80-120		
Sodium	5.71	mg/L		5.556		103	80-120		
Matrix Spike (B347107-MS1)	Sample: GJ037				10/23/23 Anal	-			
Boron	618	ug/L		555.6	80.6	97	75-125		
Calcium	206	mg/L		5.556	201	88	75-125		
Magnesium	106	mg/L	Q4	5.556	102	73	75-125		
Potassium	8.20	mg/L		5.556	2.38	105	75-125		
Sodium	49.9	mg/L		5.556	44.9	91	75-125		
Matrix Spike Dup (B347107-MSD1)	Sample: GJ037				10/23/23 Anal	-			
Boron	636	ug/L		555.6	80.6	100	75-125	3	20
Calcium	207	mg/L		5.556	201	110	75-125	0.6	20
Magnesium	106	mg/L	Q4	5.556	102	72	75-125	0.04	20
Potassium	8.15	mg/L		5.556	2.38	104	75-125	0.7	20
Sodium	50.1	mg/L		5.556	44.9	94	75-125	0.3	20
Batch B347137 - IC No Prep - EPA 300.0 REV 2.1									
Matrix Spike (B347137-MS1)	Sample: GJ037	40-01		Prepared &	Analyzed: 10	/20/23			
Fluoride	1.58	mg/L		1.500	0.194	93	80-120		
Matrix Spike Dup (B347137-MSD1)	Sample: GJ037	40-01		Prepared &	Analyzed: 10	/20/23			
Fluoride	1.72	mg/L		1.500	0.194	101	80-120	8	20
Batch B347264 - No Prep - SM 2540C									
Blank (B347264-BLK1)				Prepared &	Analyzed: 10	/24/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B347264-BS1)				Prepared &	Analyzed: 10	/24/23			
Solids - total dissolved solids (TDS)	947	mg/L		1000		95	84.9-109		
Duplicate (B347264-DUP1)	Sample: GJ037	40-03		Prepared &	Analyzed: 10	/24/23			
Solids - total dissolved solids (TDS)	450	mg/L			430			5	5
Batch B347378 - No Prep - SM 2540C									
Blank (B347378-BLK1)				Prepared &	Analyzed: 10	/25/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B347378-BS1)				Prepared &	Analyzed: 10	/25/23			
	940	mg/L		1000		94	84.9-109		
Solids - total dissolved solids (TDS)	940	mg/L							

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Duplicate (B347378-DUP1)	Sample: GJ039	61-01		Prepared &	Analyzed: 10/	25/23			
Solids - total dissolved solids (TDS)	465	mg/L			485			4	5
Duplicate (B347378-DUP2)	Sample: GJ039	61-07		Prepared &	Analyzed: 10/	25/23			
Solids - total dissolved solids (TDS)	515	mg/L			535			4	5
<u> Batch B347379 - No Prep - SM 2540C</u>									
Blank (B347379-BLK1)				Prepared &	Analyzed: 10/	25/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B347379-BS1)				Prepared &	Analyzed: 10/	25/23			
Solids - total dissolved solids (TDS)	947	mg/L		1000		95	84.9-109		
Duplicate (B347379-DUP1)	Sample: GJ041	31-01		Prepared &	Analyzed: 10/	25/23			
Solids - total dissolved solids (TDS)	555	mg/L			580			4	5
Duplicate (B347379-DUP2)	Sample: GJ041	31-08		Prepared &	Analyzed: 10/	25/23			
Solids - total dissolved solids (TDS)	2690	mg/L			2560			5	5
Batch B347462 - SW 3015 - EPA 6020A									
Blank (B347462-BLK1)				Prepared: 1	10/26/23 Analy	/zed: 10/31/2	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B347462-BS1)				Prepared: 1	10/26/23 Analy	/zed: 10/31/2	3		
Boron	507	ug/L		555.6		91	80-120		
Calcium	5.48	mg/L		5.556		99	80-120		
Magnesium	5.67	mg/L		5.556		102	80-120		
Potassium	5.60	mg/L		5.556		101	80-120		
Sodium	5.59	mg/L		5.556		101	80-120		
Batch B347621 - No Prep - SM 2540C									
Blank (B347621-BLK1)				Prepared &	Analyzed: 10/	27/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B347621-BS1)				Prepared &	Analyzed: 10/	27/23			
Solids - total dissolved solids (TDS)	987	mg/L		1000		99	84.9-109		
Duplicate (B347621-DUP2)	Sample: GJ048	61-01		Prepared &	Analyzed: 10/	27/23			
Solids - total dissolved solids (TDS)	425	mg/L			425			0	5
Batch B347849 - No Prep - SM 2540C									
Blank (B347849-BLK1)				Prepared &	Analyzed: 10/	31/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B347849-BS1) Solids - total dissolved solids (TDS)	960	mg/L		Prepared &	Analyzed: 10/	31/23 96	84.9-109		
, ,	900	mg/L		1000		90	04.9-109		
Batch B347854 - IC No Prep - EPA 300.0 REV 2.1	Samul 0 100=	40.04		Dropored o	Analyzadi 101	21/22			
Matrix Spike (B347854-MS1) Sulfate	Sample: GJ037-	40-01 mg/L	Q4	1.500	Analyzed: 10/	NR	80-120		
	Sample: GJ041	_	QТ		Analyzed: 10/		00-120		
Matrix Spike (B347854-MS2)	Janipie, GJ041	J 1-UZ		i repareu &		00120			

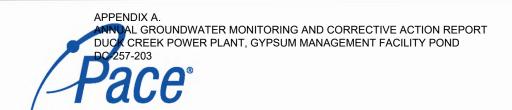
				Spike	Source	0/550	%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Limi
Matrix Spike (B347854-MS2)	Sample: GJ041	31-02		Prepared &	Analyzed: 10	/30/23			
Chloride	1.0E9	mg/L	Q4	1.500	10	NR	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	41.8	NR	80-120		
Matrix Spike Dup (B347854-MSD1)	Sample: GJ037	40-01		Prepared &	Analyzed: 10	/31/23			
Sulfate	1.00E9	mg/L	Q4	1.500	478	NR	80-120	0	20
Matrix Spike Dup (B347854-MSD2)	Sample: GJ041	31-02			Analyzed: 10				
Fluoride	1.69	mg/L		1.500	0.202	99	80-120	2	20
Chloride	1.0E9	mg/L	Q4	1.500	10	NR	80-120	0	20
Sulfate	1.00E9	mg/L	Q4	1.500	41.8	NR	80-120	0	20
Batch B347939 - SW 3015 - EPA 6020A									
Blank (B347939-BLK1)				Prepared: 1	1/01/23 Anal	/zed: 11/07/23	3		
Boron	< 10	ug/L							
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
Potassium	< 0.10	mg/L							
Sodium	< 0.10	mg/L							
LCS (B347939-BS1)				Prepared: 1	1/01/23 Analy	yzed: 11/07/23	3		
Boron	518	ug/L		555.6		93	80-120		
Calcium	5.67	mg/L		5.556		102	80-120		
Magnesium	5.84	mg/L		5.556		105	80-120		
Potassium	5.69	mg/L		5.556		102	80-120		
Sodium	5.82	mg/L		5.556		105	80-120		
Batch B347965 - No Prep - SM 2320B 1997									
Duplicate (B347965-DUP1)	Sample: GJ037	40-01		Prepared &	Analyzed: 11	01/23			
Alkalinity - bicarbonate as CaCO3	500	mg/L			475			5	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B347965-DUP2)	Sample: GJ039			Prepared &	Analyzed: 11/	01/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	312	mg/L			312			0	10
Batch B347985 - No Prep - SM 2540C									
Blank (B347985-BLK1)				Prepared &	Analyzed: 11	01/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B347985-BS1)				Prepared &	Analyzed: 11/	01/23			
Solids - total dissolved solids (TDS)	1020	mg/L		1000		102	84.9-109		
Duplicate (B347985-DUP2)	Sample: GJ053	90-01		Prepared &	Analyzed: 11/	01/23			
Solids - total dissolved solids (TDS)	665	mg/L			660			0.8	5
Batch B348049 - SW 3015 - EPA 6020A									
Blank (B348049-BLK1)				Prepared: 1	1/02/23 Analy	/zed: 11/10/23	3		
Boron	< 10	ug/L		•					
Calcium	< 0.20	mg/L							
Magnesium	< 0.10	mg/L							
-	< 0.10	mg/L							
Potassium									
Sodium	< 0.10	mg/L							

QC SAMPLE RESULTS

Dominator	.	11. **	•	Spike	Source	0/ 5=0	%REC	DD	RPI
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Lim
LCS (B348049-BS1)				Prepared:	11/02/23 Analy	yzed: 11/10/23	3		
Boron	500	ug/L		555.6		90	80-120		
Calcium	5.60	mg/L		5.556		101	80-120		
Magnesium	5.60	mg/L		5.556		101	80-120		
Potassium	5.47	mg/L		5.556		99	80-120		
Sodium	5.59	mg/L		5.556		101	80-120		
Matrix Spike (B348049-MS1)	Sample: GJ049	97-11		Prepared:	11/02/23 Analy	yzed: 11/10/23	3		
Boron	5440	ug/L		555.6	4970	85	75-125		
Calcium	233	mg/L	Q4	5.556	229	70	75-125		
Magnesium	93.0	mg/L	Q4	5.556	89.6	60	75-125		
Potassium	9.46	mg/L		5.556	4.16	95	75-125		
Sodium	104	mg/L	Q4	5.556	101	58	75-125		
Matrix Spike Dup (B348049-MSD1)	Sample: GJ049	-		Prepared:	11/02/23 Analy	vzed: 11/10/23	3		
Boron	5330	ug/L	Q4	555.6	4970	66	75-125	2	20
Calcium	235	mg/L		5.556	229	108	75-125	0.9	20
Magnesium	93.8	mg/L		5.556	89.6	76	75-125	0.9	20
Potassium	9.90	mg/L		5.556	4.16	103	75-125	5	20
Sodium	104	mg/L	Q4	5.556	101	58	75-125	0.002	20
Batch B348151 - No Prep - SM 2320B 1997		9, =	Ψ.	0.000		00	. 0 . 20	0.002	
Duplicate (B348151-DUP1)	Sample: GJ041	31-02		Prepared 8	k Analyzed: 11/	(02/23			
Alkalinity - bicarbonate as CaCO3	350	mg/L		'	338			4	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Batch B348438 - No Prep - SM 2320B 1997									
Duplicate (B348438-DUP5)	Sample: GJ048	61-01		Prepared 8	Analyzed: 11/	/07/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	338	mg/L			312			8	10
Batch B348439 - No Prep - SM 2320B 1997									
Blank (B348439-BLK1)				Prepared 8	Analyzed: 11/	07/23			
Alkalinity - carbonate as CaCO3	< 2.0	mg/L							
Alkalinity - bicarbonate as CaCO3	< 2.0	mg/L							
Duplicate (B348439-DUP2)	Sample: GJ048	61-11		Prepared 8	Analyzed: 11/	/07/23			
Alkalinity - carbonate as CaCO3	< 2.0	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	1.00	mg/L			1.00			0	10
Batch B348608 - IC No Prep - EPA 300.0 REV 2.1									
Matrix Spike (B348608-MS1)	Sample: GJ053	90-01		Prepared 8	Analyzed: 11/	/07/23			
Chloride	9.3	mg/L	Q1	1.500	8.4	58	80-120		
Fluoride	1.52	mg/L		1.500	0.162	91	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	74.0	NR	80-120		
Matrix Spike Dup (B348608-MSD1)	Sample: GJ053	90-01		Prepared 8	Analyzed: 11/	07/23			
Fluoride	1.53	mg/L		1.500	0.162	91	80-120	0.1	20
i luonue									
Chloride	9.1	mg/L	Q1	1.500	8.4	50	80-120	1	20

Batch B348781 - No Prep - SM 2320B 1997

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Duplicate (B348781-DUP1)	Sample: GJ049	97-01		Prepared &	Analyzed: 11	/09/23			
Alkalinity - bicarbonate as CaCO3	362	mg/L	М		325			11	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B348781-DUP2)	Sample: GJ049	97-11		Prepared &	Analyzed: 11	09/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	525	mg/L			512			2	10
Batch B349001 - No Prep - SM 2320B 1997									
Duplicate (B349001-DUP1)	Sample: GJ053	90-01		Prepared &	Analyzed: 11	13/23			
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Alkalinity - bicarbonate as CaCO3	500	mg/L			500			0	10



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Qualifiers

- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- Q1 Matrix Spike failed % recovery acceptance limits. The associated blank spike recovery was acceptable.
- Q4 The matrix spike recovery result is unusable since the analyte concentration in the sample is greater than four times the spike level.

 The associated blank spike was acceptable.

Diane Bellings

Certified by: Diane Billings, Project Manager



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CHAIN-OF-CUSTODY / Analytical Request Document

APPENDIX A.

CHAIN-OF-CUSTODY / Analytical Request Document

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

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND bd Intact (Y/N) Project No./ Lab I.D. フ Samples 100 O DRINKING WATER SAMPLE CONDITIONS 2 Custody 320 REGULATORY AGENCY Received on Ice (Y/N) OTHER Page. Residual Chlorine (Y/N) ن Of migme? GROUND WATER = 101171281651 DC-MbCb-503-509 TIME RCRA Requested Analysis Filtered (Y/N) DC-SUP-000 STATE DC-CFO20RE-201-202 Site Location DATE DC-842-502 NPDES UST DC-842-503 DC-842-501-505 DC-811-204 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION DC-567-205 DC-567-204 OC-257-203 | teeT sisylsnA | ₽N/A Other arres 100 Methanol Vistra Corp see Section A Brian Voelker Preservatives Na₂S₂O₃ HOPN HCI HNO Company Name. DS2H invoice Info Attention: Unpreserved TIME Address. Project Meneger Profile # 651 Y 4 # OF CONTAINERS SIGNATURE of SAMPLER: -10/17/105 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE Daryl Johnson: Robert. Johnson @vistracorp.com Sam Davies: samantha.davies@vistracorp.com 'n 5 COLLECTED 60 RELINQUISHED BY / AFFILIATION 0/17/23 1110 Report To: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. roject Number: rees ns, it codes to egg) **BUOD XIMTAM** 8 roject Name Section B Copy To: Valid Matrix Codes CHENNING WATE RATER FRODUCT COLL SOLIO COLL SOLIO COLL SOLIO WIPE AIR RASULE RATER FRODUCT COLL SOLIO COLL SOL Brian.Voelker@VistraCorp.com 10 day 0 G55S G56S G61S DC-23Q4 Rev G54S GSSL G57L G57S G58S G59S G60S ADDITIONAL COMMENTS G56L G58L G59L GEOL Vistra Corp-Duck Creek (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE 17751 North Cilco Rd SAMPLE ID Canton, IL 61520 Requested Due Date/TAT: 10ne: (217) 753-8911 Section D Required Clent Infor Section A mail To: ddress: က 4 ĸ 9 ۲æ 6 9 Ξ 42 5 4 5 16 # Mati

ADDENDLY A

CHAIN-OF-CUSTODY / Analytical Request Document

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

DC-257-203 Project No./ Lab I.D. he sample 630318 J DRINKING WATER REGULATORY AGENCY OTHER 969 Residual Chlorine (Y/N) GROUND WATER = DC-MbCb-S03-S08 RCRA 000-SUP-000 Requested Analysis Filtered Site Location STATE DC-CFO20RE-201-202 OC-842-202 NPDES UST OC-842-503 DC-842-501-505 OC-811-S04 OC-525-205 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. DC-S21-S04 DC-S9X-S03 taeT sisylsnA↓ ÎN/λ nedtC Methanol Vistra Corp see Section A Brian Voelker EOSSEN Preservatives HOBN IOH EONH Company Name: *OS*H Unpreserved Address: Subte Seference Project Manager 2 # OF CONTAINERS SAMPLE TEMP AT COLLECTION 425 Daryl Johnson: Robert Johnson@vistracorp.com Sam Davies: samantha.davies@vistracorp.com TIME COLLECTED 11723 DATE 0 Report To: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. rifel of sebac biles see; 3000 XIRTAM roject Number. roject Name Section B Copy To: Valid Matrix Codes
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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

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APPENDIX A

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

CHAIN-OF-CUSTODY / Analytical Request Document

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

DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Intact (Y/N) 10 Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Cooler (Y/N.) ъ Custody Ice (Y/N) REGULATORY AGENCY Residual Chlorine (Y/N) O" ni qmeT **GROUND WATER** =TIME OC-MbCb-503-509 RCRA OC-SUP-000 Requested Analysis Filtered STATE OC-CFO20RE-201-202 Site Location 4/04/01 DATE OC-842-502 NPDES UST OC-842-503 OC-842-501-505 OC-811-504 Weyn by / Lon
DATE Signed
(MIN/DD/YY): ACCEPTED BY / AFFILIATION OC-257-205 OC-257-204 OC-257-203 Analysis Test N/A Other Methanol Vistra Corp see Section A **Brian Voelker** COSSSBN Preservatives 1000 NaOH invoice Information: HNO Company Name: × DS2H Section C Address: Unpreserved X Quote Reference: Project Meneger: Profile #: # OF CONTAINERS SAMPLER NAME AND SIGNATURE 10/20/23 SAMPLE TEMP AT COLLECTION PRINT Name of SAMPLER: DATE Daryl Johnson: Robert Johnson@vistracorp.com Copy To: Sam Davies: samantha.davies@vistracorp.com 1348 TIME COLLECTED RELINQUISHED BY / AFFILIATION 10/20/23 DATE Report To: Brian Voelker 2285 0 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No.: M roject Number: (see valid codes to left) MATRIX CODE roject Name: Section B Valid Matrix Codes DRINKING WATER WATER WASTE WATER PRODUCT SOIL/SOLD 10 day Brian.Voelker@VistraCorp.com DC-23Q4 Rev 0 BA02L **BA03** BA03L BA04 BA05 BA06 G02D G02S G03S G06S ADDITIONAL COMMENTS GOZL G03L G04L G06L Vistra Corp-Duck Creek (A-Z, 0-9 / .-) Semple IDs MUST BE UNIQUE 17751 North Clico Rd SAMPLE ID Canton, IL 61520 Section D Required Client Information Requested Due Date/TAT: ione: (217) 753-8911 Section A Required Client Information: mail To: 13 4 4 10 9 -9 Ξ 15 5 18 8 3 # WHIL

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CHAIN-OF-CUSTODY / Analytical Request Document

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

Attention: Brian Voelker Coulect Company Name: Vistra Cor Indinson@vistracorp.com Address: see Section A Address: see Section A Address: see Section A Address: Profile #: Profi	Brian Voelker Name: Vistra Corp Name: Vi	DRINGING WATER OTHER Project No./ Lab I.D.
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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

CHAIN-OF-CUSTODY / Analytical Request Document
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APPENDIX A.

CHAIN-OF-CUSTODY / Analytical Request Document

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND (N/Y) Project No./ Lab I.D. 6304131 SAMPLE CONDITIONS DRINKING WATER Cooler (Y/N) belse2 ъ Cnapody (N/A) epi REGULATORY AGENCY OTHER по беуюзея Residual Chlorine (Y/N) Page: ż O' ni gmeT GROUND WATER =ከያቤ TIME DC-MbCb-503-508 RCRA S DC-SUP-000 **Analysis Filtered** 10123123 STATE DC-CLOSURE-201-202 Site Location DATE OC-842-502 NPDES UST DC-842-503 OC-842-501-505 Requested OC-811-504 ACCEPTED BY / AFFILIATION DC-297-205 DC-257-204 C-257-203 N/A taeT elevienA 1 Other Methanol Company Name: Vistra Corp see Section A _CO_SS_SbN Brian Voelker Preservatives HOBN нсі HNO3 OSEH 1739 Section C TIME Unpreserved Address: # OF CONTAINERS SAMPLER NAME AND SIGNATURE 10/23/23 PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE Daryl Johnson: Robert Johnson@vistracorp.com Sam Davies: samentha.davies@vistracorp.com HML 52h1 COLLECTED RELINQUISHED BY / AFFILIATION 10/23/27 DATE Section B Required Project Information Report To: Brian Voelker 2285 د-SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. roject Number: (See valid codes to left) 3000 XINTAM roject Name: Copy To: Valid Metrix Codes
MATRIX CODE Brian. Voelker@VistraCorp.com 10 day DC-23Q4 Rev 0 G66S G71S G63S **G64S G65S** G67L G67S G70L G71L G72L G73L ADDITIONAL COMMENTS G64L G66L G65L Vistra Corp-Duck Creek (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE 17751 North Cilco Rd SAMPLE ID Canton, IL 61520 Section D Required Client Informs (217) 753-8911 Requested Due Date/TAT: Required Client Information: mail To: hone: 7 15 9 ø 2 ÷ 72 13 16 ۳ ব 80 # MHTI

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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

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

Section A	Hent Information:	Section B Required Project Information:	Section C Invoice Information:		Page: 5 of	
Company	p-Duck Creek	Raport To: Brian Voelker	Attention: Brian Voelker			
Address:	17751 North Clico Rd	Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULAT	REGULATORY AGENCY	57-2
	Canton, IL 61520	Daryl Johnson: Robert Johnson@vistracorp.com	Address: see Section A	NPDES GROUND WATER	TER DRINKING WATER	
Email To:	Brian.Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference	UST RCRA	ОТНЕЯ	-K F
Phone:	(217) 753-8911 Fax.	Project Name:	Project Manager	Site Location	51707	
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APPENDIX A.

CHAIN-OF-CUSTODY / Analytical Request Document

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND Intact (Y/N) (6304131) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER COORER (Y/W) Custody Sealed 2 ъ (M/Y) exil REGULATORY AGENCY 9 OTHER Received on 2 Residual Chlorine (Y/N) O° ni gmaT GROUND WATER = TIME <u>0123|23|1934</u> OC-MbCb-503-508 RCRA Requested Analysis Filtered (Y/N) OC-SUP-000 DC-CFO20RE-201-202 STATE Site Location DATE DC-842-502 NPDES UST DC-842-503 DC-842-501-505 DC-811-204 ACCEPTED BY / AFFILIATION OC-524-502 DC-521-504 DC-S21-S03 Analysis Test N/A TertiO Methanol Company Name: Vistra Corp see Section A Brian Voelker _EO_SS_SBN Preservatives HOEN HCI CONH <u>د</u> بد *OS*H 1738 Section C 7 TIME Unpreserved Address: Quote Reference Project Menager Profile #: # OF CONTAINERS SAMPLER NAME AND SIGNATURE 12/23/0 PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION DATE Dary Johnson: Robert Johnson@vistracorp.com Copy To: Sam Davies: samantha.davies@vistracorp.com 1530 1130 1010 E WE COLLECTED RELINQUISHED BY / AFFILIATION (0/23/23 22/22/01 10/23/23 DATE Section B Required Project information Report To: Brian Voelker 2285 9 S SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. 3 3 (Tie! or seboo briev ees) roject Number: MATRIX CODE roject Name: Valid Matrix Codes
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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND (M/Y) toethi Project No./ Lab 1.D. SAMPLE CONDITIONS DRINKING WATER 3 COOPER (AVA) **Souled** GJOH! (NVA) est 10 REGULATORY AGENCY OTHER Received on Residual Chlorine (Y/N) 3 O' ni qmeT GROUND WATER 1734 OC-MbCb-503-508 RCRA Requested Analysis Filtered (Y/N) 10/23/23 OC-SUP-000 0123123 OC-CLOSURE-201-202 STATE DATE OC-842-502 NPDES Site UST OC-842-503 OC-842-501-505 OC-811-50¢ OC-521-505 ACCEPTED BY / AFFILIATION The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately DC-521-504 OC-521-203 IN/A | JeeT sisylanA | Other Methanol Vistra Corp see Section A 102SZEN Preservative HORN HCI メメメ HOO "OS"H 1739 Section C THE Unpreserved # OF CONTAINERS 10/2 3/23 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE OF SAMPLER: SAMPLE TEMP AT COLLECTION DATE Dary Johnson: Robert Johnson@vistracorp.com copy To: Sam Davies: samenthe.davies@vistracorp.com SHS COLLECTED RELINQUISHED BY / AFFILIATION 10/23/23 Report To: Brian Voelker 2285 ٥ SAMPLE TYPE (GEGRAB C=COMP) rchase Order No (fiel of seboo bilay sea) MATRIX CODE Valid Martix Codes
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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND

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Grayse DRINKING WATER REGULATORY AGENCY 6 OTHER Page GROUND WATER RCRA Site Location NPDES UST Company Name: Vistra Corp see Section A Brian Voelker Section C Invoice Information: Attention: Brian Address: Cuote Reference: Project Manager Profile # Daryl Johnson: Robert. Johnson@vistracorp.com Copy To: Sam Davies: samantha.davies@vistracorp.com Section B Required Project Information: Report To: Brian Voelker urchase Order No.: roject Name: Brian. Voelker@VistraCorp.com Vistra Corp-Duck Creek 17751 North Cilco Rd Fax: Canton, IL 61520 hone: (217) 753-8911 Section A Required Client Information: Email To:

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APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section	Section A Required Client Information:	Section B Required Project Information:	oes ovul	Section C Invoice Information:						Page:	3	75	10
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	Canton, IL 61520	Daryl Johnson: Robert Johnson@vistracorp.com		Address: See	see Section A			NPDES	GROUND WATER	TER	DRINKIN	DRINKING WATER	
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APPENDIX A.
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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DC-257-203 (NVA) DOWN Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Cooler (YA) (NWA) BOI 10 REGULATORY AGENCY OTHER Page Residual Chlorine (Y/N) O' n' qmal GROUND WATER = 1677 DC-MbCb-S03-S08 RCRA Requested Analysis Filtered (Y/N) OC-SUP-000 10/27/23 10/27/23 DC-CrosnBE-501-505 STATE: Site Locatio DATE OC-842-502 NPDES UST OC-842-503 DC-842-501-505 OC-811-504 Um Owner Bond ACCEPTED BY / AFFILIATION DC-521-509 The Chain-of-Custody is a LEGAL DOCUMENT. As relevant fields must be completed accurately OC-267-204 DC-521-503 | Jest sisylenA | TN/A Other Methanol ompany Name. Vistra Corp see Section A Brian Voelker Na₂S₂O₃ Preservatives HOSN neman HCI HO "OS"H しかしな Section C THEE Unpreserved # OF CONTAINERS 10/2/16 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE OF SAMPLER: SAMPLE TEMP AT COLLECTION DATE Daryl Johnson: Robert Johnson@vistracorp.com copy To: Sam Davies: samaniha.davies@vistracorp.com 13:40 たかみ 1543 1540 COLLECTED RELINGUISHED BY I AFFILIATION 52/22/01 10/27/23 10/27/23 10/27/23 DATE teport To: Brian Voelker

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DC-23Q4 Rev ADDITIONAL COMMENTS

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CHAIN-OF-CUSTODY / Analytical Request Document

Required Project Inform

Vistra Corp-Duck Creel

17751 North Cilco Rd

Canton, IL 61520

Section B

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10 day

Requested Due Date/TAT: (217) 753-8911

Section D Required Client

uchase Order No.

Brian Voelker@VistraCorp.com

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Sample IDs MUST BE UNIQUE

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APPENDIX A.

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, GYPSUM MANAGEMENT FACILITY POND DQ. Intact (Y/N) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Cooler (Y/N) Custody to ICE (Y/N) REGULATORY AGENCY Received on OTHER Page: Residual Chlorine (Y/N) Q Temp in °C 9 **GROUND WATER** = 25 TIME DC-MbCb-S03-S08 RCRA Requested Analysis Filtered (Y/N) S OC-SUP-000 123 DC-CLOSURE-201-202 Site Location STATE DATE OC-842-502 10/3, 10/31 NPDES UST DC-842-503 DC-842-201-202 OC-811-50¢ ACCEPTED BY / AFFILIATION OC-267-205 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately OC-527-204 OC-521-503 N/A Lanalysis Test Other Methanol Vistra Corp see Section A Brian Voelker Preservatives EOSSEN SEOS talon HOEN HCI nvoice information: KKK FONH ompany Name: *OSZH Section C TIME Unpreserved XXX Address: 125 MMMM # OF CONTAINERS SAMPLER NAME AND SIGNATURE 10/31/23 PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE Daryl Johnson: Robert Johnson@vistracorp.com opy To: Sam Davies: samantha.davies@vistracorp.com 13301 1224 11/11 1300 TIME COLLECTED RELINQUISHED BY / AFFILIATION 10/31/23 10/31/23 52/18/01 10/3/23 DATE Section B Required Project Information leport To: Brian Voelker 2285 5 SAMPLE TYPE (G=GRAB C=COMP) urchase Order No. roject Number: (see valid codes to left) MATRIX CODE oject Name: Valid Matrix Codes DRINKINS WATER WATER WASTE WASTE WATER PRODUCT SOIL/SOLID Brian.Voelker@VistraCorp.com 10 day DC-23Q4 Rev 0 G64S G65S **G66S** G67S G63L G65L G71S ADDITIONAL COMMENTS Vistra Corp-Duck Creek G64L **G66L** G67L G71L G70L G72L G73L (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE 17751 North Cilco Rd SAMPLE ID Canton, IL 61520

APPENDIX A.

CHAIN-OF-CUSTODY / Analytical Request Document

Requested Due Date/TAT: none: (217) 753-8911

mail To:

Section D Required Client Infor

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Required Client Information:

Section A

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Company:	any: Vistra Corp-Duck Creek	Report To: Brian Voelker		Att	Attention:	Brian	Brian Voelker	35																
Address:	ss: 17751 North Cilco Rd	Copy To: Sam Davies: samantha.davles@vistracorp.com	tracorp.com	Š	Company Name:		Vistra Corp	orp					-		П	П	~	EGUL	REGULATORY	Y AGENCY	NCY			7-2
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Company: Vistra Corp-Duck Creek	Report To: Brian Voelker	oelker		Attention	Brian Voelker	ilker						J				Ì			
Address: 17751 North Cilco Rd	Copy To Sam Day	Sam Davies: samantha.devies	es@vistracorp.com	Company Name.		Vistra Corp			-				R	GULA	LORY A	REGULATORY AGENCY			1-2
Canton, IL 61520	Daryl Jo	Daryl Johnson: Robert Johnso	son@vistracorp.com	Address	see Section A	on A					NPDES		GROUI	GROUND WATER	ER	DRIN	DRINKING WATER	EX.	
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SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant:

DC

Event: DC-23Q4 Rev 1

Well	Unique ID	Unit Numt	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
BA01	DC-BA01	205	BAB	10/16/23	1435	16,25		Bla
BA01C	DC-BA01!C	205	ВАВ	1	1439	16.07		9
BA01L	DC-BA01!L	205	ВАВ		1437	17.15		1
BA02	DC-BA02	205	ВАВ		1423	13.03	U:6/19/23 GKJ	
BA02L	DC-BA02!L	205	BAB		1425	1	Top of Pump	
BA03	DC-BA03	205	ВАВ		1324	11.06	,	
BA03L	DC-BA03!L	205	ВАВ		1320	10.85		
BA04	DC-BA04	205	BAB		1442	7.75		
BA05	DC-BA05#	205	ВАВ		1506	26.60		
BA06	DC-BA06	205	ВАВ		1500	24.70		
G02L	DC-G02!L	204	LF		1454	16.20		
G02S	DC-G02#S	204	LF		1449	14.23	Transducer NIA	
G02D	DC-G02&D	204	LF		1452	25.09	alternate name PO2D	
G03L	DC-G03IL	204	LF		1503	13.72		
G03S	DC-G03#S	204	LF		1500	13.55		
G04L	DC-G04!L	204	LF		1350	15.40		
G04S	DC-G04#S	204	LF		1353	21,43		
G06L	DC-G06!L	204	LF		1105	23.03		
G06S	DC-G06#S	204	LF		1103	23.34		
G07L	DC-G07!L	204	LF		1110	21,41	Top of Pump	
G08L	DC-G08!L	204	LF		1113	21.20	Too of Pums	
G09L	DC-G09!L	204	LF		1121	21.37		
G09S	DC-G09#S	204	LF	1	1118	22.33	,	I

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours. Plant: DC

Event: DC-23Q4 Rev 1

Well	Unique ID	Unit Numl	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
G12L	DC-G12!L	204	LF	10/16/23	1146	24.50		BG
G125	DC-G12#S	204	ĹF		1149	25.70		1
G14L	DC-G14!L	204	LF		1159	26.14		
G15L	DC-G15!L	204	LF		1225	32,95	Too of Pump	
G15S	DC-G15#S	204	LF		1227	34.44	, ,	
G16L	DC-G16!L	204	LF		1230	32.45		
G50L	DC-G50!L	203	GMF		1129	17,42	Top of Pump	
G50S	DC-G50#5	203	GMF		1131	18.80		
G51L	DC-G51!L	203	GMF		1146	18.68	Too of Puno	
G51S	DC-G51#S	203	GMF		1144	19.81	1	
G52L	DC-G52!L	203	GMF		1148	28.30		
G52S	DC-G52#S	203	GMF		1151	32.04		
G53L	DC-G53!L	203	GMF		1119	15.81		
G53S	DC-G53#S	203	GMF		1121	18.73		
G54L	DC-G54!L	203	GMF		1158	21.89		
G54S	DC-G54#S	203	GMF		1154	38.00		
G55L	DC-G55!L	203	GMF		1209	19.62		
G55S	DC-G55#S	203	GMF		1213	19.51		
G56L	DC-G56!L	203	GMF		1014	20.10		
G56S	DC-G56#S	203	GMF		1016	20.77		
G57L	DC-G57IL	203	GMF		8101	25.02		
G57S	DC-G57#S	203	GMF		1020	24.83		
G58L	DC-G58!L	203	GMF		1	28.95		L

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant:

DC

Event: DC-23Q4 Rev 1

Well	Unique ID	Unit Numl	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
G58S	DC-G58#S	203	GMF	10/16/23	1030	29.05		86
G59L	DC-G59!L	203	GMF	1	1034	29.09		11
G59S	DC-G59#S	203	GMF		1033	34.12		
G60L	DC-G60!L	203	GMF		1038	18.65		
G60S	DC-G60#S	203	GMF		1041	26.67		
G61S	DC-G61#S	203	GMF		1046	23.11		
G62L	DC-G62!L	203	GMF		1048	23.35		
G63L	DC-G63!L	203	GMF		1105	25.19		
G63S	DC-G63#S	203	GMF		1107	26.05		
G64L	DC-G64!L	203	GMF		1111	24.58		
G64S	DC-G64#\$	203	GMF		1112	25.50		
G65L	DC-G65!L	203	GMF		0950	19.30		
G65S	DC-G65#S	203	GMF		0932	19.61		
G66L	DC-G66!L	203	GMF		0943	14.49		
G66S	DC-G66#S	203	GMF		0945	15.46		
G67L	DC-G67!L	203	GMF		1001	13.00		
G67S	DC-G67#S	203	GMF		1003	14.12		
G68L	DC-G68!L	203	GMF		0904	100		
G68S	DC-G68#S	203	GMF		0900	13.18		
G69L	DC-G69IL	203	GMF		0909	16.00		
G69S	DC-G69#S	203	GMF		0910	18.23		
G70L	DC-G70!L	203	GMF		0914	20.13		
G71L	DC-G71!L	203	GMF	1	0920	26.11		1

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant: D

Event: DC-23Q4 Rev 1

Well	Unique ID	Unit Numl	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
G71S	DC-G71#S	203	GMF	10/16/23	0918	26.72		86
G72L	DC-G72!L	203	GMF	Ī	0923	21.40		j
G73L	DC-G73IL	203	GMF		0927	27.20		
L103	DC-L103	204	LF		1217	1.91		
OM01	DC-OM01	201-202	AP1/2		1306	13.01		
OM04S	DC-OM04#S	201-202	AP1/2		1057	21.19	OROMS	
OM05S	DC-OM05#S	201-202	AP1/2		1257	2221		
OM07	DC-OM07	201-202	AP1/2		1245	13.11		
0м08	DC-OM08	201-202	AP1/2		1134	14.96		
OM09	DC-OM09	201-202	AP1/2		1529	4,24		
OM10	DC-OM10	201-202	AP1/2		0918	13.49		
OM12	DC-OM12	201-202	AP1/2		1148	15.89		
OM15	DC-OM15	201-202	AP1/2		0909	22.88		
OM16	DC-OM16	201-202	AP1/2		1044	26.94		
OM17	DC-OM17	201-202	AP1/2		1023	15.26		
OM21	DC-OM21	201-202	AP1/2		1059	12.66		
OM22S	DC-OM22#S	201-202	AP1/2		1333	20,53		
OM22D	DC-OM22&D	201-202	AP1/2		1335	30.08		
OM235	DC-OM23#S	201-202	AP1/2		1403	42,47		
OM23D	DC-OM23&D	201-202	AP1/2		1407			
OM24D	DC-OM24&D	201-202	AP1/2		\	\	Not Accessible	
OM25S	DC-OM25#S	201-202	AP1/2		1436	16.20		
OM25D	DC-OM25&D	201-202	AP1/2	1	1440	58,26		-

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant: DC

Event: DC-23Q4 Rev 1

Well	Unique ID	Unit Numk	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
OR02	DC-OR02	201-202	AP1/2	0/16/23	1254	7.81		BG
OR03S	DC-OR03#S	201-202	AP1/2	1	1242	45.92		
OR03D	DC-OR03&D	201-202	AP1/2		1118	45.45		1
OR04D	DC-OR04&D	201-202	AP1/2		055	23.01		
OR05D	DC-OR05&D	201-202	AP1/2		1255	22.98		
OR06A	DC-OR06!A	201-202	AP1/2		1235	15.14		
OR11	DC-OR11	201-202	AP1/2		1218	32.28		
OR13S	DC-OR13#S	201-202	AP1/2		1303	14.72		
OR13D	DC-OR13&D	201-202	AP1/2		1305	14.62		
OR14S	DC-OR14#S	201-202	AP1/2		1113	8.97		
OR14D	DC-OR14&D	201-202	AP1/2		1110	11.79		
OR18	DC-OR18	201-202	AP1/2		1012	19.65		
OR19	DC-OR19	201-202	AP1/2		1142	25.80		
OR20	DC-OR20	201-202	AP1/2		1205	22.30		
P01L	DC-P01!L	204	LF		1439	17.11		
P01S	DC-P01#S	204	LF		1437	16.73		
P01I	DC-P01\$I	204	LF		1441	16.53		
P02S	DC-P02#S	204	LF		1455	18.57		
P04S	DC-P04#S	204	LF		1353	21.43		
P05L	DC-P05!L	204	LF		1318	7.13		
P05S	DC-P05#S	204	LF		1326	7.16		
P05D	DC-P05&D	204	LF		1339			
P36L	DC-P36!L	204	LF		1041	12.64		T

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

Plant:

DC

Event:

DC-23Q4 Rev 1

Well	Unique ID	Unit Numi	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
P36S	DC-P36#S	204	LF	10/16/23	1043	12.82		BG
P36D	DC-P36&D	204	LF	1	1040	13.00		
P37L	DC-P37!L	204	LF		1129	14.60	Top of Pump	
P37D	DC-P37&D	204	LF		1131	17.33	1	
P38L	DC-P38!L	204	LF		1212	19,48		
P38S	DC-P38#S	204	LF		1206	31.00		
P39L	DC-P39!L	204	LF		1248	10.65		T

SAR-3: Episodic Depth to Groundwater Measurements All DTWs on SAR-3 must be collected within 24 hours.

DC Plant:

DC-23Q4 Rev 1 Event:

Well	Unique ID	Unit Num!	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
P36S	DC-P36#S	204	LF					
P36D	DC-P36&D	204	LF					
P37L	DC-P37!L	204	LF					
P37D	DC-P37&D	204	LF					
P38L	DC-P38!L	204	LF					
P38S	DC-P38#S	204	LF					
P39L	DC-P39!L	204	LF					
P395	DC-P39#S	204	LF	10/18/2	1227	10,99		BG
P39D	DC-P39&D	204	LF	(1225	16,57		1
P40L	DC-P40!L	204	LF		1210	18,53		1
P40S	DC-P40#S	204	LF		1211	17.28		
P41L	DC-P41!L	204	LF		1300	11.68		
P41S	DC-P41#S	204	LF		1302	14.00		
P41D	DC-P41&D	204	LF		1304	35.98		
P42L	DC-P42!L	204	LF		1255	10.30	Well Danaged	
P42S	DC-P42#\$	204	LF		1132	10.82	0	
P42I1	DC-P42\$I1	204	LF		1129	11.19	alternate name P42I	
P42I2	DC-P42%I2	204	LF		1127	33.79		
P42D	DC-P42&D	204	LF		1125	38.59	MW 521-10/18/22	,
P52	DC-P52	203	GMF		1353	18.02	MW 52L	
P57L	DC-P57!L	203	GMF		1103	17.77		
P57S	DC-P57#S	203	GMF		1105	17.39		
P60	DC-P60	203	GMF	1	1113	26.54		T

SAR-3: Episodic Depth to Groundwater Measurements

All DTWs on SAR-3 must be collected within 24 hours.

Plant:

DC

Event:

DC-23Q4 Rev 1

Well	Unique ID	Unit Numl	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
P61	DC-P61	203	GMF	10/18/28	1121	17.06		Ba
P62	DC-P62	203	GMF	1	1117	14.31		1
P63	DC-P63	203	GMF		1119	16.42		
P64	DC-P64	203	GMF		1123	18.23		
R10L	DC-R10!L	204	LF	10/16/23	427	23.90		
R11L	DC-R11IL	204	LF	10/16/23	1140	23.63		
R13L	DC-R13!L	204	LF	10/18/23	1232	24.36		
R61L	DC-R61!L	203	GMF	1	1323	22.21		
R72S	DC-R72#S	203	GMF		1318	24.70		
T43L	DC-T43!L	204	LF		1244	8.70		
T44L	DC-T44!L	204	LF		1246	12.64		
T45L	DC-T45!L	204	LF		1247	10.62		
T46L	DC-T46!L	204	LF		1250	7.47		
X301	DC-X301- leachate	203	GMF		1313	40.5		
XTPW02	DC-XTPW02- pore	203	GMF		1348	6.85	Dra	

BAOAL

10/18/23-1330-11.31

SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads
All DTWs recorded on SAR-4 must be measured immediately prior to downloading the transducer data at that location.
Plant: DC
Event: DC-23Q4 Rev 1

DC DC-23Q4 Rev 1

	elbitinI	BG	-				70	-		- P									-1
	Comments	NOT CONNECTED BGS	NOT CON MEDE		honorded to	Below Rump	Not Connected			NOT CONNECTED									
	Batt (H/M/L/R)		/	H	/	{	/	2	Ž	/	3	N	Ž	Z.	Z	Z	工	Z.	Ş
	Data down- loaded?	/		γ	/	>	/	У	y	/	>	>	~	٨	_	7	7	7	7
On-site Transducer Data	WL Reading on Transducer (ft)	/	/	Ø6.61	/	568.37	/	572.70	571.06		16.40m	599.90	60098	599.83	<97.83	596.69	586.02	FF.220	20.665
On-site Tr	Does Data Logger Serial No. Match?	6	>	y	^	>	٨	7	٧	4	>	/	>	^	>	^	γ	7	>
	Data Logger Serial No.	21615533	21615636	21615682	21615637	21615687	21615631	21615540	21615525	21615554	21615535	21615691	21615690	21615684	21615683	21615678	21615677	21615688	21615632
	Measured Depth to Water (ft bmp)	16.25	13.03	PUMP	11.06	10.85	7.75	26.60	24.70	14.23	18.80	19.61	2189	28.00	24.80	18.65	26.67	24.58	25.50
	Time	1435	£2h1	1425	1324	1320	7445	1500	1500	449	113/	1144	1 58	1154	1221	1438	1641	1110	2111
	Date	10/16/23/43	_										_						-1
Г	SmsM JinU	BAB	BAB	ВАВ	BAB	BAB	BAB	BAB	BAB	5	GMF	GMF	GMF	GMF	GMF	GMF	GMF	GMF	GMF
	Unit Number	205	205	205	205	205	205	205	205	204	203	203	203	203	203	203	203	203	203
	Unique ID	DC-BA01	DC-BA02	DC-BA02!L	DC-BA03	DC-BA031L	DC-BA04	DC-BA05#	DC-BA06	DC-G02#S	DC-G50#S	DC-G51#S	DC-G54!L	DC-G54#S	DC-G57#S	DC-G60!L	DC-G60#S	DC-G64!L	DC-G64#S
	Well	BA01	BA02	BA02L	BA03	BAO3L	BA04	BA05	BA06	G02S	9205	G51S	G54L	G54S	G57S	G60L	G60S	G64L	G64S

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SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads

All DTWs recorded on SAR-4 must be measured immediately prior to downloading the transducer data at that location.

Plant: DC

Event: DC-23Q4 Rev 1

	alsitinI	BC	1																-1
	Comments					Not Cooperated	Not			Consched	Inaccessible	Connected				Consecred		Not	Wassps
	Batt (H/M/L/R)	Z	士		エ	/	/	エ	I	/	/	/	M	2	エ	1	Z	/	/
	Data down- loaded?	/	1	7	7	1	/	7	7	/	/	1	Y	7	7	1	>	/	/
On-site Transducer Data	WL Reading on Transducer (ft)	582.15	58C.09		577.30	/	/	q.42	578.88	/	/	/	543. 42	583.75	585.76	1	564.14	/	/
On-site Tr	Does Data Logger Serial No. Match?	Y	7	7	Y	Y	γ	7	Y	1	/	Y	Y	7	1	7	7	Y	/
8	Data Logger Serial No.	21615685	21615542	21615541	21615527	21615539	21615693	21615593	21615592	21615591	21615522	21615681	21615679	21615577	21615570	21615692	21615686	21615676	21564135
	Measured Depth to Water (ft bmp)	13.01	21.19	13.11	15.89	2C.94	15.26	12,GG	30.08	38,95	/	58.20	7.81	45.45	21.87	12.1H	33.28	14.72	14.62
	Time	1366	1057	1245	148	DHY!	1023	1059	13.35	1407	/	1436	1254	HHE	055	1235	1218	1303	1305
	Date	10/16/23/1366	-								1						/		_
	Unit Name	AP1/ 2	201- AP1/ 202 2	AP1/ 2	201- AP1/ 202 2	201- AP1/ 202 2	AP1/ 2	201 AP1/ 202 2	201 AP1/ 202 2	201 AP1/ 202 2	AP1/ 2	201 AP1/ 202 2	AP1/ 2	201-AP1/ 202 2	201-AP1/ 202 2	201- AP1/ 202 2	201-AP1/ 202 2	201-AP1/ 202 2	AP1/ 2
L	Unit Number	201-	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
	Unique ID	DC-OM01	DC-OM04#S	DC-OM07	DC-0M12	DC-0M16	DC-0M17	DC-0M21	DC-OM22&D	DC-OM23&D	DC-OM24&D	DC-0M25#S	DC-OR02	DC-OR03&D	DC-OR04&D	DC-OR06!A	DC-OR11	DC-OR13#S	DC-OR13&D
	Well	OM01	OM04S	OM07	OM12	OM16	OM17	OMZ1	OM22D	OM23D	OM24D	OM255	ORUZ	ORO3D	OR04D	OR06A	OR11	OR13S	OR13D

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AG.

2

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571.88

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565.16

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21615610

2.30

4

1205

DC-OR20

OR20

zisidinI

Comments

Batt (H/M/L/R)

down-loaded? Data

WL Reading on Transducer (R)

Match? Serial No. годдец

Does Data

On-site Transducer Data

SAR	SAR-4: Depth to Groundwater Measurements - On-site Transducer Downloads	DTWs recorded on SAR-4 must be measured immediately prior to downloading the transducer data at that location.	iti DC
	SAR-4: Dept	All DTWs rec	Plant: D

	Data Logger Serial No.	21615611	21615634
	Measured Depth to Water (ft bmp)	11.79	1142 25.80
	Тіпе	/K/33 111 Ø	142
	Date	10/16/23	-
	Unit Name	201-AP1/ 202 2	201-AP1/ 202 2
	Unit Number	201- 202	201 202
DC-23Q4 Rev 1	Unique ID	DC-OR14&D	DC-OR19
Event:	well	OR14D	OR19

Notes:
Batt = battery
bmp = below measuring point
ft = feet
H = high
L = low
M = medium
R = replaced

WELL/SAM	PLE POINT	GO	28	Purge Method: Bladder							
Date:	10/19	23	Start Time:	132		Finish/S	ample Time:	143	0		
Well Depth	(Bottom) Fro	m MP:		ft		Min. Purge	√olume:	1.5	Gal 🕡		
Depth to Wa	ater From MF	P:	1421	ft		Total Purge	Volume:	1.8	Gal 🕡		
Water Colu	nn Length:			ft		Max Draw	down:		ft		
Well Water	_			Gal/L		Total Drawd	own:	0.92	ft ·		
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb		
(Units)		ft.	mL/mln	s.u.	umhos/cm	deg C	mV	mg/L	NTU		
1	1344	15.13	100	672	889	13.70	-97	0.71	0,2		
2	1345	13 14	100	6.70	480	1370	-97	0.55	30		
3	1346	15.13	100	1	873	1370	- 27	0.50	0.1		
	1) 10	(3,1)	100	6111	0 1.7	7.0	- 1	01) 6	0:1		
4									+		
5	NIA	NIA	NIA		1.70/	103	+ 30	+ 10% 0.3	MA		
Stabilization	NA	NA	NA	±0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA		
Field Meter:		Har	·ba			Well Integr	itv	Yes	No		
r resu protes.		1161	1-1			Well has ID		X			
Sample App	еагапсе:					Casing lock		X			
	/	Slight [Mod. □	Strong		Well cap fits		1	V		
	7.				9			X			
Color	-			Strong		Good seal/o					
Turb:	None 🗆	Slight □	Mod □	Strong		Well has we	eep holes	X	-		
RATTI E IN	FORMATION	N.									
BOTTLE		tered				Fift	ered				
Qty	Bottles				Qty	Bottles					
	VOAs (C,V, 4	l0mL, HCL)				Metals (P,256	0mL, HNO3)				
	VOAS (C,V, 4					Ammonia (P,	250mL, H2\$0)4)			
	Organics (A,C				1	General (P,5	MemL) / 6	100mL			
	Organics (A,0	3,U 500mL)			1						
	TOC (A,V 40r										
		0mL, H2SO4)									
- 1	Metals (P,250							- 1			
		250mL, NaOH					_				
-		,250mL, H2S			-	-		_			
-	General (P, 2		DOGML								
	Kad	254					1				
	,			1	Final	DTW:	15.1	3 n			
Comments				_				_			
					^	AN	,				
			Sampler's S	lianaturo	(land	N K	04				
			Janiplei 8 3	ngilature.	WH	11	-				
					1						

WELL/SAM	PLE POINT	G5	50S		Purge Method: Seticales Bludge							
Date:	10/23	23	Start Time:	1459		Finish/S	ample Time	1600	1			
Well Depth	(Bottom) Fro	om MP:	37,30	ft		Min, Purge	Volume:	1500	Gal/L			
Depth to Wa	ater From M	P:	1894	ft		Total Purge	Volume:	1800	Gal/L			
Water Colu	nn Length:		18.36	fl		Max Draw	down:		fl			
Well Water	Volume:		11.12			Total Draws	lown:	4.55	ft			
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb			
(Units)	7	(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)			
1	1522	21.45	100	7.07	753	17.72	-50	63	28.3			
	1523	21.53	100	The state of the s			- 48	,52	25.1			
3	1524	21.48		7.08	752	17.70	-47	48	21.8			
3	1301	C1. 40	100	1.00	/ 4 1	11.16	11	1	21.0			
4												
5												
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA _			
Field Meter:		400 10	1			Well Integr	itu	Yes	No			
rieja wietei.		HORIB	#		-	Well has ID		162	NO			
Sample App	oatance!					Casing lock		-				
	_] Slight □	Mod. □	Strong		Well cap fits						
	/		_	Strong	-	Good seal/o		-				
	/			Strong	-	Well has we		-				
BOTTLE IN												
		itered					ered					
Qty	Bottles				Qty	Bottles						
	VOAs (C,V,					Metals (P,250						
	VOAS (C,V,				1	Ammonia (P.		14)				
-		G,U 1000mL)			1	General (P,50	JUITIL)					
_	Organics (A,	mL, H2SO4)			-							
		60mL, H2SO4)					_					
1		0mL, HNO3)										
		250mL, NaOH)	1									
		3,250mL, H2S0										
	General (P,											
ì	4NO3 P											
1		1 P, 1000	onL_			D-114	23.U	19				
					Final	DTW:	67.	1 (#				
Comments												

WELL/SAM	PLE POINT	G5	18		Purge f	Method:	BLA	DDER	-
Date:	10/26	123	Start Time:	1032	<u> </u>	Finish/Sa	ample Time:	1155	>
Well Depth	(Bottom) Fr	om MP:	32.17	ft		Min. Purge \	/olume:	1000	Gal/L
Depth to Wa	ater From M	1P:	19.95	ft		Total Purge	Volume:	1400	Gal / L
Water Colu	mn Length:		12.22	ft		Max Drawo	lown:		ft
Well Water	•		7.40			Total Drawd	own:	7.65	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	1103	24.5	100	7.18	803	17.17	-85	280	19.4
2	1104	24.34	100	7.15	801	14.98	-82	.76	17.6
3	1105	24.61	100	7.12	8Ø5	14.80	-82	.77	18.5
4	1100	24.55	100	7.12	801	14.76	-81	. 77	18.1
5					-				
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		HORI	20			201. 12 1	4	T v	
Field Meter:		HOKI	DTI	_		Well Integri		Yes	No
						Well has ID			-
Sample App	. 7					Casing lock		-	-
Odor: 5	None I	□ Slight □	Mod.	Strong		Well cap fits	securely.		
Color	None I	□ Slight □	Mod. □	Strong		Good seal/d	rainage	/	
Turb:	None [⊃ Slight □	Mod □	Strong		Well has we	ep holes		
BOTTLE IN	FORMATIO	ON:							
		filtered				Filte	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V,	40mL, HCL)			l i	Metals (P,250	mL, HNO3)		
	VOAS (C,V,	40mL)				Ammonia (P,		04)	
	Organics (A	,G,U 1000mL)			1	General (P,50	00mL)		
	Organics (A	,G,U 500mL)							
	TOC (A,V 4	0mL, H2SO4)							
		50mL, H2SO4)							
		50mL, HNO3)			1000				
		250mL, NaOH)							
	-	G,250mL, H2S0	04)						
	General (P.					-			
		2.5L	31						
	Benere	1000	ML	1	Final	DTW:	27.0	C ft	
Comments					_		_		
_									
			Sampler's S	ignature:	1	DR2			

Boy

Field Meter:	WELL/SAN	MPLE POINT	G. G.	54L		Purge N	Method:	Portale	le	
Depth to Water From MP 21.18 ft Total Purge Volume: 3,00 Gal / L	Date:	10/27	1/23	Start Time:	120	4	Finish/S	ample Time	1338	3
Well Water Volume: 19.12 ft	Well Depth	(Bottom) Fr	om MP:	40.30	ft		Min, Purge	Volume:	1000	Gal / L
Reading Time Depth Flow Rate pH Spec Cond Temp ORP DO Turb (Inclinity) (Incl	Depth to W	ater From M	IP:	21.18	ft		Total Purge	Volume:	1300	Gal / L
Reading Time Depth Flow Rate pH Spec Cond Temp ORP DO Turb (Inc.) (In	Water Colu	mn Length:		19.12	ft		Max Draw	down:		ft
(Units)	Well Water	Volume:		11.58	Ga1/L		Total Draw	down:	4.83	ft
1	Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
2 1216 23.01 100 G.57 G10 g.22 -18 .84 O.0 3 1217 23.14 100 G.53 1610 18.14 -11 .81 O.0 4								(mV)		
3 1217 23.14 100 4.53 1610 18.14 -17 .81 0.0 4 5 5 5 5 5 5 5tabilization NA NA NA NA ±0.2 ±3% ±0.2 ±20 ±10% or 0.2 NA Field Meter:	11	125		100	6.58	1010	19.30			
Stabilization NA NA NA ±0.2 ±3% ±0.2 ±20 ±10% or 0.2 NA	2	1216	23.01	100	6.57	1610	18.22	-18	1.84	0.0
4	3	1217	23.14	100	6.53	1610	18.14	-17	1.81	0.0
Stabilization NA	4	-								
Stabilization NA										
Well has ID sign Casing locked/secure		NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Well has ID sign Casing locked/secure	Fi-Land.		4-218	2.4			No. III.		T v.	
Sample Appearance: Casing locked/secure Odor: None Slight Mod. Strong Color None Slight Mod. Strong Good seal/drainage Well has weep holes BOTTLE INFORMATION: Unfiltered Qty Bottles VOAs (C,V. 40mL, HCL) Metals (P,250mL, HNO3) Ammonia (P,250mL, HNO3) Ammonia (P,250mL, H2S04) TOX (A,G 250mL, H2SO4) General (P,500mL) Metals (P,250mL, HNO3) General (P,250mL, H2SO4) General (P,250mL, H2SO4) Final DTW: Final DTW: Z (p, t)	Field Meter	:	FIOFIL	771		-			Yes	No
Odor: None Slight Mod. Strong Color None Slight Mod. Strong Turb: None Slight Mod. Strong BOTTLE INFORMATION: Unfiltered Qty Bottles VOAS (C,V, 40mL, HCL) Qty Bottles VOAS (C,V, 40mL, HCL) Ammonia (P,250mL, HNO3) Organics (A,G,U 1000mL) J General (P,250mL, H2S04) TOC (A,V 40mL, H2SO4) General (P,500mL) General (P,500mL) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) D Phenols (A,G,250mL, H2SO4) General (P,250 mL) Final DTW: Z.Q. ♥ 1 ft	Sample Apr	oearance:							1	
Color			⊐ Sliαht □	Mod. □	Strong				/	
Turb: □ None □ Slight □ Mod □ Strong Bottle Unfiltered	-	<u> </u>		_		-			1	
## BOTTLE INFORMATION: Unfiltered						-			/	
Sottles Oty Bottles Oty Bottles Oty Bottles Oty Sottles Oty Metals (P,250mL, HNO3) Organics (A,G,U 1000mL) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) Organics (A,G,U 500mL) Oty Oty Other O		`	_	.,,,,	o a o a g		Well had the	cop noics		
Qty Bottles VOAS (C,V, 40mL, HCL) Metals (P,250mL, HNO3) VOAS (C,V, 40mL) Ammonia (P,250mL, H2S04) Organics (A,G,U 1000mL) J General (P,500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) HWO3 2.5L Final DTW: 240.4	BOTTLE IN				1		- CIV		-	
VOAS (C,V, 40mL, HCL) VOAS (C,V, 40mL) VOAS (C,V, 40mL) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) HNO3 Z.SL General (DCOML) Final DTW: 26. \$\frac{1}{2}\$ ft	Oby	T	nterea			Oby		erea		
VOAS (C,V, 40mL) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) HWO3 Z.5L Final DTW: 24.41 ft	dity		40mL, HCL)			1		0mL. HNO3)		
Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) HNO3 Z.5L Final DTW: 26.41 ft									94)	
TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) HWO3 2.5L General 1000mL Final DTW: 26.41 ft		Organics (A,	,G,U 1000mL)				General (P,5	00mL)		
TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenois (A,G,250mL, H2SO4) General (P. 250 mL) HWO3 2.5L General 1000mL Final DTW: 26.41 ft										
Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenols (A,G,250mL, H2SO4) General (P, 250 mL) HNO3 2.5L General 1000mL Final DTW: 26.41 ft		1								
Cyanide (P. 250mL, NaOH) Phenols (A.G.250mL, H2SO4) General (P. 250 mL) HNO3 2.5L General 1000mL Final DTW: 26.41 ft										
Phenois (A,G,250mL, H2SO4) General (P. 250 mL) HNO3 Z.5L General 1000mL Final DTW: 26.41 m						-				
General (P. 250 mL) HN03 2.5L General 1000mL Final DTW: 26.41 ft										
1 HN03 2.5L 1 General 1000ml Final DTW: 26.41 #				741				_		
Final DTW: 26.41 #	1									
Final DTW: 26.91 n	1			L						
Comments						Final	DTW:	26.0	<u> </u>	
1	Comments								_	
Sampler's Signature:						1-				_

	IPLE POINT	G5	45	-	Purge	flethod:	for tal	ole BL	ADDE
Date:	10/27	123	Start Time:	102	4	Finish/S	am pl e Time	1154	
Vell Depth	(Bottom) Fr	om MP:	51.26	ft		Min. Purge	Volume:	1000	Gal/L
Depth to W	ater From M	IP:	23.27	ft		Total Purge	Volume:	1500	Gal/L
Vater Colu	mn Length:		28.03	ft		Max Drawo	down:	-	ft
Vell Water	Volume:		16.97			Total Drawd	own:	3.07	ft
Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		23 (ft.)9Z	(mL/min)	(s.u.)	(umhos/cm)		(mV)	(mg/L)	(NTU)
1	1044	24192	100	6.78	1030	15.44	-50	2.37	18.7
2	1045	24 523	100	6.78	1030	15.49	-48	1.36	15.3
3	1940	2497	100	6.77	1030	15.31	~47	1.30	15.2
4	1047	24.21	,00	6.77	1030	15.46	-47	1.47	16.1
5	1048	24.51	100	6.77	1030	15.43	-46	1.53	15.4
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
ield Meter		HOR	180			Well Integri	itu	Yes	No
Jein Mere		7.00	· D /r		_	Well has ID		163	110
Sample Ap	pearance:					Casing lock		/	
	W.	□ Slight □	Mod. □	Strong		Well cap fits		/	
Color Z	None [□ Slight □	Mod.	Strong		Good seel/o	Irainage	1	
furb: 2	None D	Slight 🗆	Mod □	Strong	-	Well has we	ep holes		
OTTI E IN	FORMATIC	NA.							
SOTTEL III	_	iltered		1		Filt	ered	_	
05.	Bottles			1	Qty	Bottles			
UCY	VOAs (C,V,	40mL, HCL)		1	1	Metals (P,250	0mL, HNO3)		
Qty	VOAS (C,V,	40mL)				Ammonia (P,	250mL, H2S0	04)	
uty		,G,U 1000mL)				General (P,5	00mL)		
uny		1 - 1 - 1		1					
uty	Organics (A	,G,U 500mL)							
uty	Organics (A Organics (A								
uty	Organics (A Organics (A TOC (A,V 46	,G,U 500mL)					-		
uty	Organics (A Organics (A TOC (A,V 46 TOX (A,G 28 Metals (P,28	,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3)							
uty	Organics (A Organics (A TOC (A,V 40 TOX (A,G 20 Metals (P,25 Cyanide (P,	,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH)							
uty	Organics (A Organics (A TOC (A,V 46 TOX (A,G 29 Metals (P,28 Cyanide (P, Phenols (A,6	,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH) G,250mL, H2SO							
uty	Organics (A Organics (A TOC (A,V 40 TOX (A,G 20 Metals (P,20 Cyanide (P, Phenols (A,0 General (P,	,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH) G,250mL, H2SO 250 mL)							
uty .	Organics (A Organics (A TOC (A,V 46 TOX (A,G 26 Metals (P,25 Cyanide (P, Phenols (A,6 General (P,	,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH) G,250mL, H2SO 250 mL) 7 , 5 4	04)						
	Organics (A Organics (A TOC (A,V 40 TOX (A,G 20 Metals (P,20 Cyanide (P, Phenols (A,0 General (P,	,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH) G,250mL, H2SO 250 mL) 7. 5 4	04)		Final	DTW:	26.	3Ø #	
Comments	Organics (A Organics (A TOC (A,V 46 TOX (A,G 28 Metals (P,28 Cyanide (P, Phenols (A, General (P, H NO 3	,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH) G,250mL, H2SO 250 mL) 7 , 5 4	04)		Final	DTW:	26.	3Ø 11	

Date:	10/20/2	•				Method: BLADDEZ					
	-	3	Start Time:	1138		Finish/Sa	ample Time:	1247			
Well Depth	(Bottom) Fr	om MP:	37.40	ft		Min. Purge	Volume:	1500	Gal / L		
Depth to W	ater From M	IP:	24.83	ft		Total Purge	Volume:	2000	Gal / L		
Water Colu	mn Length:		12.57	ft		Max Drawo	down:		ft		
Well Water	_			Gal / L		Total Drawd	own:	1.45	ft		
D U	Time	Donth		-11	Suna Cand	Tomp	ORP	DO	Turb		
Reading	Time	Depth	Flow Rate (mL/min)	pH (s.u.)	Spec Cond (umhos/cm)		(mV)	(mg/L)	(NTU)		
(Units)	1205	(ft.) 25.44	100	6.42	1390	14.94	77	7.63	45.9		
•					1400		77	2.03	42.5		
2	1206	25.57	100	6.42		15.03	78				
3	1207	25.57	100	6.41	1400	14.99	-	1.35	40.9		
4	1208	25.55	100	6.42	1400	15.00	78	1.20	37.4		
5	1209	75.55	100	6.41	1400	14.98	18	9.25	36.7		
Stabilizatio	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA		
Field Meter		HORI	21			Well Integri	itu	Yes	No		
-leiu Metei	•	HOLL	ЬД		_				110		
Sample Ap	nearance.					Well has ID sign Casing locked/secure			X		
	-	□ Slight □	Mod. □	Strong		Well cap fits			X		
	/			Strong	_	Good seal/o		×			
Turb: [Mod 🗆	Strong	_	Well has we	ep holes	×			
/											
BOTTLE I	FORMATIC			r		FUA	ered		1		
04.	Bottles	iltered			Qty	Bottles	ereu	_			
Qty		40mL, HCL)			diy	Metals (P,250	Oml HNO3)				
	VOAS (C,V,		-			Ammonia (P,		04)			
		,G,U 1000mL)			1	General (P,56		.,	1		
		,G,U 500mL)	-						1		
		0mL, H2SO4)									
		50mL, H2SO4)							1		
1		50mL, HNO3)				1			1		
	_	250mL, NaOH)	1					1		
		G,250mL, H2S		1]		
	General (P,	250 mL)		1]		
1		2.51	4NØ3								
1	General 10	000 mL					75 0	0			
	,				Final	DTW:	<u> 25.8</u>	D ft			
Comments											

Date:	10/23/2	3	Start Time:	1895		Finish/S	ample Time	1148	
Well Denth	(Bottom) Fr		27,00			Min. Purge		15164	Gal/L
				•					•
Depth to W	ater From M	IP:	19.26	•		Total Purge	Volume:	1700	Gal/L
Water Colu	ımın Length:		7.74	ft		Max Draw	down:		ft
Well Water	Volume:		4.69	Gal/L	Max Drawdown: Total Drawdown: Total Drawdown:			5.28	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)		(deg C)	(mV)	(mg/L)	(NTU)
1	1434	22.75	199	598	897	14.37	66	2.47	10.2
2	1035	22.86	100	5.97	896	14.37	67	7.72	9.8
3	1936	22.94	100	5.99	888			2.71	£ 0.
4	1037	23.04	100	5.99	885			2.88	7.8
5	-								
Stabilization	NA NA	NA NA	NA	± 0.2	+ 3%	+0.2	+ 20	± 10% or 0.2	NA.
	1							15-17-17	
ield Meter	•	HORIE	BA			Well Integr	ity	Yes	No
						Well has ID	sign		
Sample Ap	pearance:					Casing lock	ed/secure		
Odor: 🖪	ÍNone [⊐ Slight □	Mod. □	Strong		Well cap fits	s securely.		
Color 🚜	None [Slight [Mod.	Strong		Good seal/o	Irainage	/	
Turb: 🔎	None [] \$light □	Mod 🗆	Strong		Well has we	ep holes	/	
									41
	ICODE ATIO	NRI.							
BOTTLE IN	FORMATIC			1		Filt	ered		1
	Unf	N: iltered			Otv		ered		
Qty	Unf	iltered			Qty	Bottles			
	Unf Bottles VOAs (C,V,	iltered 40mL, HCL)			Qty	Bottles Metals (P,250	mL, HNO3)	04)	
	Unf Bottles VOAs (C,V, VOAS (C,V,	40mL, HCL) 40mL)			Qty	Bottles Metals (P,250	0mL, HNO3) 250mL, H2S0	04)	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A,	40mL, HCL) 40mL) ,G,U 1000mL)			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0	04}	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A,	40mL, HCL) 40mL)			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0	04)	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL)			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0	04)	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 28	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4)			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0)4}	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40) TOX (A,G 25) Metals (P,25)	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4)			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0)4)	
	Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 20 Metals (P,25 Cyanide (P,	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3)			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0)4}	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 20 Metals (P,20 Cyanide (P, Phenols (A,G General (P,	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH 3,250mL, H2SO			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0	04)	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40, TOX (A,G 29, Metals (P,25, Cyanide (P, Phenols (A, General (P, HN Ø)	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH 3,250mL, H2SO			Qty	Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0	04)	
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 20 Metals (P,20 Cyanide (P, Phenols (A,G General (P,	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH 3,250mL, H2SO				Bottles Metals (P,250 Armonia (P, General (P,50	0mL, HNO3) 250mL, H2S0 00mL)		
	Unf Bottles VOAs (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40, TOX (A,G 29, Metals (P,25, Cyanide (P, Phenols (A, General (P, HN Ø)	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH 3,250mL, H2SO				Bottles Metals (P,250 Ammonia (P,	0mL, HNO3) 250mL, H2S0		
	Unf Bottles VOAS (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 20 Metals (P,25 Cyanide (P, Phenols (A,0 General (P, HN Ø) P, 1000 A	40mL, HCL) 40mL) ,G,U 1000mL) ,G,U 500mL) 0mL, H2SO4) 50mL, H2SO4) 50mL, HNO3) 250mL, NaOH 3,250mL, H2SO				Bottles Metals (P,250 Armonia (P, General (P,50	0mL, HNO3) 250mL, H2S0 00mL)		

BG

0/23/23	3	60S	0420) -	Method:		HADDER / Submersible			
	3	Start Time:	1994		_	ample Time	1002	- 10 2		
Bottom) Fro	om MP:	39,20	ft	APP 1	0/3//23 Min. Purge	Volume:		Gal / L		
ter From Mi	P:	25.13	25.84		Total Purge	Volume:	1000	Gal / L		
nn Length:		13.36			Max Drawo	down:		ft		
/olume:					Total Drawd	lown:	0.76	ft		
Time	Depth	Flow Rate	рH	Spec Cond	Temp	ORP	DO	Turb		
		(mL/min)		-				(NTU)		
0935	26.60	100	7.	949				7/000		
	26:60		1 1	0151				71000		
		100	1 1	1 2		1		71000		
~			0.1971	-	1,30	-10		7,000		
NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA		
	Ha	riha			Well Integri	tv	Ves	No		
	170	7.110		-			-	140		
earance:							1			
	Stight [Mod. □	Strong				1			
				-				X		
None 🗆	Slight □	Mod 🔀	Strong	-				X		
ORMATIO	N:									
	_		1		Filte	ered				
Bottles			16	Qty	Bottles					
VOAs (C,V, 4	l0mL, HCL)		()	i						
							04)			
Organics (A,0	3,U 1000mL)				General (P,50	00mL)				
Organics (A,0			(1)							
	m H2SO4)									
FOC (A,V 40)										
TOX (A,G 25	0mL, H2SO4)					_				
TOX (A,G 250 Metals (P,250	0mL, H2SO4) 0mL, HNO3)									
FOX (A,G 250 Metals (P,250 Cyanide (P, 2	0mL, H2SO4) 0mL, HNO3) 250mL, NaOH)									
FOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenois (A,G	0mL, H2SO4) 0mL, HNO3) 250mL, NaOH, 250mL, H2SO	D4)								
FOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenois (A,G	0mL, H2SO4) 0mL, HNO3) 250mL, NaOH, 250mL, H2SO 59-mL) 100	D4)								
	Volume: Time 0 0 3 5 5 7 7 7 7 7 3 9 1 3 9 1 3 9 1 3 9 1 3 9 1 3 9 1 3 9 1 1 1 1	Time Depth (ft.) 0 0 3 5 2 1 1 1 0 0 0 3 5 2 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Time Depth Flow Rate (ft.) (mL/min) 0 0 3 5 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S	Time Depth Flow Rate pH Spec Cond (ft.) (mL/min) (s.u.) (umhos/cm) (9.35 2.6.60 100 6.6.44 9.51 (9.37 2.6.60 100 6.6.44 9.53 (9.37 2.6.60 100 6.6.44 9.53 (9.37 2.6.60 100 6.6.44 9.53 (9.37 2.6.60 100 6.6.44 9.53 (9.37 2.6.40 9.53 (9.37 9.54 9.53 9.54 9.53 (9.37 9.54 9.54 9.53 (9.37 9.54 9.5	Total Drawd Total Drawd Total Drawd Time Depth Flow Rate pH Spec Cond Temp (ft.) (mL/min) (s.u.) (umhos/cm) (deg C) 0.0 3.5 2.6 0.0 0.6 0.6 0.6 0.5	Total Drawdown: Time Depth Flow Rate pH Spec Cond Temp ORP (ft.) (mL/min) (s.u.) (umhos/cm) (deg C) (mV) (0.435 2-1.60 1.6	Total Drawdown: O1 76		

WELL/SAM	PLE POINT	G	64L		Purge N	Purge Method: Portable					
Date:	10/20	0/23	Start Time:	1229	3	Finish/S	ample Time	1353			
Well Depth	(Bottom) Fro	om MP:	30.46	ft		Min. Purge	Volume:	1000	Gal / L		
Depth to Wa	ater From M	P:	24.66	ft		Total Purge	Volume:	1300	Gal / L		
Water Colur	mn Length:		5.8	ft		Max Draw	down:	-	fl		
Well Water	•		2 -1	Gal / L		Total Drawd	down:	2.24	ft		
Reading	Time	Depth	Flow Rate	рН	2 1000 15.96 1000 16.16 ±3% ±0.2		ORP	DO	Turb		
(Units)		(ft.)	(mL/mln)	{s.u.}			(mV)	(mg/L)	(NTU)		
1	1238	75.62	100	6.82	1000		14	3.44	9.4		
2	1239	25.65	100	682		15.96	4	3.59	10.7		
3	1240	25.67	100	682	1006		14	3.44	9.4		
4	-								->		
5											
Stabilization	NA	NA NA	NA	± 0.2	+ 3%	+0.2	± 20	± 10% or 0.2	NA		
Otabilization	101							1=			
Field Meter:		HOR	IRA			Well Integr		Yes	No		
						Well has ID		/			
Sample App	earance:					Casing lock	ed/secure		/		
Odor: 5	/None	3 Slight 🗆	Mod. □	Strong		Well cap fit	s securely.		/		
Color 4	None [□ Slight □	Mod. □	Strong		Good seal/d	drainage	1			
Turb:	None 🗆	3 Slight □	Mod 🗆	Strong		Well has we	eep holes	/			
BOTTLE IN	FORMATIO	N:									
	Unf	iltered				FIN	ered				
Qty	Bottles				Qty	Bottles					
	VOAs (C,V,					Metals (P,25					
	VOAS (C,V,			4	-		,250mL, H2S0	04)			
		G,U 1000mL)				General (P,5	00mL)	-			
	Organics (A,					-					
		mL, H2SO4)						-	1		
-		50mL, H2SO4)				-					
		0mL, HNO3) 250mL, NaOH					_	_	1		
		3,250mL, H2S									
-	General (P,		J-)		-						
1		2.5L									
		1 1000	nL				010	<i>(</i> **)			
Comments					Final	DTW:	26.9	(Z) ft			
33											
					10	1					
			Sampler's S	ignature:	/	1					

Sa

Date:	10/20	0/23	Start Time:	120	5	Finish/Sa	ample Time	13.38	3
Well Depth	(Bottom) Fro	om MP:	39.50	ft		Min. Purge \	/olume;	1000	Gal / L
Depth to Wa	ater From M	IP:	25.6	ft		Total Purge	Volume:	1500	Gal/L
									•
Water Colur	mn Length:		13.9	.π		Max Drawo	iown:		.ft
Well Water	Volume:		8.42	Gal / L		Total Drawd	own:	2.33	ft
Reading	Time	Depth	Flow Rate	pH	Spec Cond	Temp	ORP	DO	Turb
(Units)		(ft.)	(mL/min)	(s.u.)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1	1223	2603	100	6.93	869	15.77	-44	9.13	35.6
2	1224	26.05	100	695	868	15.72	-44	7.00	33.7
3	1225	26.06	100	6.93	070	15.76	-45	1.71	31.7
4	1226	26.08	100	6.91	872	15.69	-40	1.30	25.4
5	1228	26.13	100	6.89	874	15.58	-44	1.19	25.5
Stabilization		NA	NA	± 0,2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Stabilization	IIA			1 10,2	2 370	10.2	120	11 10% 01 0.2	NA NA
Field Meter:		HOR	IBA			Well Integri	ty	Yes	No
					_	Well has ID	sign _	X	
Sample App	еагалсе:					Well has ID Casing lock		X	
	/	⊒ Slight □	Mod. 🗆	Strong			ed/secure	-	Х
-	None D		-	Strong		Casing lock	ed/secure s securely.	-	Х
Odor: Z	None I	□ Slight □	l Mod. □			Casing lock Well cap fits	ed/secure s securely. Irainage	×	Х
Odor: Z Color Z Turb: Z	None D	Slight Slight	l Mod. □	Strong		Casing lock Well cap fits Good seal/d	ed/secure s securely. Irainage	×	Х
Odor: Z Color Z Turb: Z	None D None D	Slight Slight	l Mod. □	Strong		Casing lock Well cap fits Good seal/d Well has we	ed/secure s securely. Irainage sep holes	×	Х
Odor: P Color A Turb: A	None D None D FORMATIO	Slight Slight	l Mod. □	Strong	Qtv	Casing lock Well cap fits Good seal/d Well has we	ed/secure s securely. Irainage	×	Х
Odor: Z Color Z Turb: Z	None D None D FORMATIO Unfi	Slight Slight	l Mod. □	Strong	Qty	Casing lock Well cap fits Good seal/d Well has we	ed/secure s securely. Irainage eep holes	×	Х
Odor: P Color A Turb: A	None D None D None D FORMATIO Unfi Bottles VOAs (C,V,	Slight Slight	l Mod. □	Strong	Qty	Casing lock Well cap fits Good seal/d Well has we Filts Bottles Metals (P,250	ed/secure s securely. Irainage eep holes ered	* *	х
Odor: P Color C Turb: C	None E None E None E FORMATIO Unfi Bottles VOAs (C,V,	Slight Slight	l Mod. □	Strong	Qty)	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	х
Odor: P Color C Turb: C	None E None E FORMATIO Unfi Bottles VOAs (C,V, VOAS (C,V, Organics (A,	Slight Slight Shipht Sh	l Mod. □	Strong	Oty)	Casing lock Well cap fits Good seal/d Well has we Filts Bottles Metals (P,250	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	х
Odor: P Color C Turb: C	None D None D None D FORMATIO Until Bottles VOAS (C,V, VOAS (C,V, Organics (A, Organics (A,	Slight Sl	l Mod. □	Strong	Oty)	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	х
Odor: P Color C Turb: C	None E None E FORMATIO Unfi Bottles VOAS (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40)	Slight Slight Shipht Sh	l Mod. □	Strong	Caty	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	Х
Odor: P Color C Turb: C	None E None E None E FORMATIO Unfi Bottles VOAS (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40) TOX (A,G 25)	Slight Sl	l Mod. □	Strong	Qty)	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	Х
Odor: P Color C Turb: C	None Description of the second	Slight Sl	Mod	Strong	Qty J	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	х
Odor: P Color C Turb: C	None E None E None E FORMATIO Unfi Bottles VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P,	Slight	Mod	Strong	Qty)	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	х
Odor: P Color A Turb: A	None E None E None E FORMATIO Unfi Bottles VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, Phenols (A,C)	Slight	Mod	Strong	Qty)	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	х
Odor: P Color A Turb: A	None E None E None E FORMATIO Unfi Bottles VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, Phenols (A,G General (P,25)	Slight	Mod	Strong	Oty)	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	* *	х
Odor: P Color A Turb: A	None E None E None E None E FORMATIO Unfi Bottles VOAS (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, Phenols (A,C General (P,35)	Slight	Mod Mod	Strong	Oty)	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2St	× × × × × ×	х
Odor: P Color A Turb: A	None E None E None E FORMATIO Unfi Bottles VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, Phenols (A,G General (P,25)	Slight Sl	Mod Mod	Strong	J	Casing lock Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2Si	× × × × × ×	
Odor: P Color A Turb: A	None E None E None E None E FORMATIO Unfi Bottles VOAS (C,V, VOAS (C,V, Organics (A, Organics (A, TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, Phenols (A,C General (P,35)	Slight	Mod Mod	Strong	J	Casing lock Well cap fits Good seal/d Well has we Filts Bottles Metals (P,250 Ammonia (P,50)	ed/secure s securely. Irainage eep holes ered OmL, HNO3) 250mL, H2St	× × × × × ×	

					6	FINISH/5a	iiipie Tiilie	153	
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)	rine	(ft.)	(mL/min)	(s,u,)	(umhos/cm)	(deg C)	(mV)	(mg/L)	(NTU)
1				(,	1			(()
	1528	_	_	6-53	101,200	18.52	141	6.41	119.7
tabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
	None ORMATION] Mod □ :	Strong					
	Unfilt					Filte	red		
	Bottles			(2)	Qty	Bottles			
	VOAs (C,V, 40					Metals (P.250)			
	VOAS (C,V, 40 Organics (A,G			,		Ammonia (P,2 General (P,50		D4)	
	Organics (A,G					General (F,00	Unit.)		
	TOC (A,V 40m								
	TOX (A,G 250								
	Metals (P,250r		1						
	Cyanide (P, 25 Phenols (A,G,:			4					
	General (P. 25				Ferrous Iro	on -		mg/L	
		_							

Sampler's Signature:



	PLE POINT	XP1	W02		Purge I	Wethod:	,544		
Date:	10/26	/23	_ Start Time: _	152	Н	Finish/Sa	ample Time	152	5
Well Depth	(Bottom) Fro	m MP:	6-29	l		Min. Purge \	/olume:		Gal/L
Depth to W	ater From Mi	P:	6.99 F	l		Total Purge	Volume:	0	Gal / L
Water Colu	mri Length:		D f	t		Max Drawd	own:		ft
Well Water	Volume:		8	9al/L		Total Drawd	own:	0	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
1									
2									
3									
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0,2	NA
	1.01	1411	1.00	10.2	1 2370	2012	110	12 10/6 01 0,2	NA.
Field Meter:						Well Integri	ty	Yes	No
					_	Well has ID:	sign		K
Sample App	earance:					Casing locke	ed/secure		7
Odor:	None 🗆	Slight [Mod. □ S	itrong		Well cap fits	securely.		≻
Color 🗆	None 🗆	Slight [Mod. □S	Strong		Good seal/d	rainage		x
Γurb: □	None 🗆	Slight 🗆	Mod □ S	trong		Well has we	ep holes		70
SOTTLE IN	FORMATION	N:							
		tered				Filte	red		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	OmL. HCL)				Metals (P,250	mI LINION		
	VOAS (C.V. 4							14)	
	VOAS (C,V, 4	10mL)				Ammonia (P,2	50mL, H2S0)4)	
	Organics (A,0	10mL) 3,U 1000mL)					50mL, H2S0	04)	
	Organics (A,0 Organics (A,0	10mL) 3,U 1000mL) 3,U 500mL)				Ammonia (P,2	50mL, H2S0	04)	
	Organics (A,C Organics (A,C TOC (A,V 40r	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4)				Ammonia (P,2	50mL, H2S0	14)	
	Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 250	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4)				Ammonia (P,2	50mL, H2S0)4)	
	Organics (A,0 Organics (A,0 TOC (A,V 40r TOX (A,G 250 Metals (P,250	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3)				Ammonia (P,2	50mL, H2S0)4)	
	Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 250 Metals (P,250 Cyanide (P, 2	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 50mL, NaOH)			Ammonia (P,2	50mL, H2S0)4)	
	Organics (A,0 Organics (A,0 TOC (A,V 40r TOX (A,G 250 Metals (P,250	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH ,250mL, H2S)			Ammonia (P,2	50mL, H2S0)4)	
	Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 250 Metals (P,250 Cyanide (P, 2 Phenols (A,G	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH ,250mL, H2S)			Ammonia (P,2	50mL, H2S0)4)	



Multiparameter Meter Field Calibration Checklist JZ Location: Field Personnel: WICK CREEK Weather: Environment: GRASS, TREE, BUSHES, GRAVEL 440-606° SUNNENWIMPH Make: DW 26YJD3 Multiparameter Water Meter Model: Serial Number: HORIBA 11-5000 Water Level Meter Model: Make: Serial Number: Digger 1 neron Calibrate? Buffer Check Value Units Range Pass/Fail Adjusted Reading Manufacturer Lot# Exp. 3.91 7 pH 4.00a ±0.1 s.u. NA M51 S.U. MA 023067-01 3/14/2025 ? pH 7.00a 6.98 ±0.1 s.u. MSI s.u. 023051-02 2/21/2025 pH 10.00a 4.91 9 ±0.1 s.u. MSI 022361-01 S.U. 12/27/2024 SC Zero (DI) µ5/cm 0<25 µS/cm P Pace Labs N/A (DI) 0 N/A (DI) SC 2000 1750 µS/cm ±5% 0 Geotech 3GF1197 Jun-24 ORP 242 ±15 mV 0 InSitu m٧ 3GD927 Jan-24 DO (Zero pt) #000228049 8/26/2025 mg/L ±0.1 Macron 48.7 DO (Saturated) 97-100% Pace Labs % N/A (DI) N/A (DI) Turbidity (DI) 0.0 NTU <2 NTU Pace Labs N/A (DI) N/A (DI) Approx, every 4 hrs; unless only one well 0950 ICV (Initial Calibration Verification) Time: Buffer Check Value Range Action Taken? Units Pass/Fail Manufacturer Lot# Exp. NA pH 4.00b 4.00 ±0.15 s.u. Geotech 3GB1049 s.u. Feb-25 pH 7.00b ±0.15 s.u. NA Geotech 2GF113 1,92 s.u. Jun-24 pH 10.00b ±0.15 s.u. Geotech 9.87 s.u. 3GA1134 Jan-25 SC 1000 1000 µS/cm ±5% Ricca 4209A12 Aug-24 Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): 1592 Time: Buffer Check Value Pass/Fail Calibrate? Adjusted Reading Units Range Manufacturer Lot# Exp. 3.98 ±0.1 s.u. 7 pH 4.00a NA MSI 023067-01 5.U. 3/14/2025 pH 7.00a ±0.1 s.u. MSI 023051-02 (297 5.LL. 2/21/2025 NA pH 10.00a 2 M51 ±0,1 s.u. 022361-01 10.01 5.U. 12/27/2024 MA Ricca SC 1000 µS/cm PP ±5% 4209A12 Aug-24 NA #000228049 8/26/2025 DO (Zero pt) mg/L ±0.1 mg/L Macron MA Turbidity (DI) 0.0 <2 NTU 2 NA Pace Labs N/A (DI) N/A (DI) Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time: Buffer Check Value Pass/Fail Calibrate? Adjusted Reading Units Range Manufacturer Lot# Exp. 4.00a s.u, ±0.1 s.u. MSI 023067-01 3/14/2025 7.00a S.U. ±0.1 s.u. MSI 023051-02 2/21/2025 10,00a ±0.1 s.u. MS s.u. 022361-01 12/27/2024 SC 1000 ±5% uS/cm Ricca 4209A12 Aug-24 DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2025 Turbidity (DI) <2 NTU NTU Pace Labs N/A (DI) N/A (DI) Comments: 10/17/23 Date: Signature:

		0	1/		-	libration		-	-
Field Personnel:	Joe	F.	e es		Location:	Vistra	Duck	Cree	K
Weather:	50-700	Fp	artcloudy	9-17	Environment:	9 rass			
Multiparameter	Water Meter	Make:	Hariba	Model:	V5000	Serial Number:	PW20	SYJD	3
Water Lev	el Meter	Make:	Heron	Model:	series	Serial Number:			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
H 4.00a	4.00	s.u.	±0.1 s.u.	P	N		MSI	023067-01	3/14/2025
H 7.00a	7.01	s.u.	±0.1 s.u.	T	ľ		MSI	023051-02	2/21/2025
10.00a	10.00	s.u.	±0.1 s.u.	Y			MSI	022361-01	12/27/2024
Zero (DI)	0.30	μS/cm	0<25 μS/cm	40			Pace Labs	N/A (DI)	N/A (DI)
2000	2 000	μS/cm	±5%	1			Geotech	3GA1071	Jan-24
₹P	240	mV	±15 mV				InSitu	3GD927	Jan-24
(Zero pt)	(7.05	mg/L	±0.1	40			Macron	#000228049	8/26/2025
O (Saturated)	99.0	%	97-100%	47		1	Pace Labs	N/A (DI)	N/A (DI)
rbidity (Di)	0.8	NTU	<2 NTU	7	~		Pace Labs	N/A (DI)	N/A (Di)
prox. every 4 h	s, unless only on	e welf		/					
ICV	(Initial Calibr	ation V	erification)		Time:	940			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
1 4.00b	4.07	s.u.	±0.15 s.u.	K	-/	/	Geotech	2GE870	May-24
7.00b	7.00	S.U.	±0.15 s.u.		V/		Geotech	2GF113	Jun-24
10.00b	9.99	5.U.	±0.15 s.u.				Geotech	2GE820	May-24
1000	998.1	μS/cm	±5%	4		_	Ricca	4209A12	AUG-28 JU
prox. every 4 h	s, unless only on	e well							
CV (Continue	d Calibration	Verific	ation):		Time:	1550			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4:01	s.u.	±0.1 s.u.	P	N		MSI	023067-01	3/14/2025
7.00a	7.05	s.u.	±0.1 s.u.		1.		MSI	023051-02	2/21/2025
1 10.00a	10.02	s.u.	±0.1 s.u.				MS!	022361-01	12/27/2024
1000	1010	μS/cm	±5%				Ricca	4209A12	Aug-28 24
O (Zero pt)	0.05	mg/L	±0.1 mg/L				Macron	#000228049	
urbidity (DI)	0.0	NTU	<2 NTU	-	-		Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 hi							1		
CCV (Continue					Time:				
	Check Value	Units		Pass/Fail	Calibrate?	Adjusted Reading			Exp.
.00a	1	5.U.	±0.1 s.u.	1		1	MISI	023067-01	3/14/2025
.00a		S.U.	±0.1 s.u.	1			MŠL	023051-02	2/21/2025
0.00a	_	s.u.	±0.1 s.u.		1	1	MSI	022381-01	12)27/2024
1000		μS/cm	±5%				Ricca	4209A12	Aug-23
(Zero pt)		mg/L	±0.1 mg/L	1			Macron	#000228049	
urbidity (DI)		NTU	<2 NTU	1			Race Labs	N/A (DI)	NYA (DI)
comments:						,			
	00	0 1	ΑΛ		Date:	10/1	8/23		

Field Personnel:	JOLP.	220			Location:	Duck	neek P	ower -	Vistra
Weather:	Rain 5	5-6	OF Wind	19-13	Environment:	Grass	· V		
Multiparamete	r Water Meter	Make:	Horiba		150e0	Serial Number:	PW20	34Jp 2209	3
Water Lev	el Méter	Make:	Heron	Mode	Series 1100	Serial Number:	IIFF	2209	305M
Buffer	Check Value	Units	Range	Pass/F	il Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
1 4.00a	4.01	5.U.	±0.1 s.u.	P	N		MSJ	023067-01	3/14/2025
1 7.00a	7.02	s.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
10.00a	10.00	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
C Zero (DI)	0.0	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
C.2000	2020	μS/cm	±5%				Geotech	3GA1071	Jan-24
RP	240	m∨	±15 mV				InSitu	3GD927	Jan-24
O (Zero pt)	0.0	mg/L	±0.1				Macron	#000228049	8/26/2025
O (Saturated)	985	%	97-100%		-		Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0.0	NTU	<2 NTU	1	0		Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 h	rs, unless only on	e well				,			
ICV	(Initial Calibr	ation V	erification)		Time:	930			
Buffer	Check Value	Units	Range	Pass/F	il Actio	n Taken?	Manufacturer	Lot#	Exp.
H 4.00b	396	s.u.	±0.15 s.u.	V	N/		Geotech	2GE870	May-24
H 7.00b	649	s.u.	±0.15 s.u.	1	1		Geotech	2GF113	Jun-24
H 10.00b	999	S.U.	±0.15 s.u.				Geotech	2GE820	May-24
C 1000	995.8	μS/cm	±5%	1			Ricca	4209A12	A
pprox. every 4 h	rs, unless only on	e weli							7.1
	d Calibration		ation):		Time:	1320	1		
Buffer	Check Value	Units	Range	Pass/F		Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	4.02	S.u.	±0.1 s.u.	10	A /	Aujusteu neaurig	MSI	023067-01	3/14/2025
H 7.00a	7.02	5.U.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
H 10.00a	1 01	s.u.	±0.1 s.u.	1		1	MSI	022361-01	12/27/2024
C 1000	1000	µS/cm	±5%	1		1	Ricca	4209A12	A-02-02-A
O (Zero pt)	2.0	mg/L	±0.1 mg/L	1		1	Macron		8/26/2025
urbidity (DI)	0.0	NTU	<2 NTU			1	Pace Labs	N/A (DI)	N/A (DI)
	rs, unless only on			-			, and Edito	IN/A (OI)	14/14 (15/7
	d Calibration		ation).		Time:		1		
	Check Value			Pacc/E		Adjusted Reading	Manufacturer	Lot#	Exp.
1.00a	CHECK VAIDE	s.u.	±0.1 s.u.	r ass/1	an Canorace:	Adjusted Nedding	MSI	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.		1	1	MSI	023051-02	2/21/2025
.0.00a		s.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
C 1000	1	μS/cm	±5%	1		-	Ricca	4209A12	
O (Zero pt)	1	mg/L	±0.1 mg/L	1	1	-	Macron	#000228049	8/26/2025
urbidity (D!)		NTU	<2 NTU	1	1	-	Pace Labs	N/A (DI)	N/A (DI)
omments:		NIO	12 MIO		1	,	I occ cans	IN/A (OI)	MATON
omments:						1			
	7		11 6	0		. /	1		
Signature:	(//	300	K Re	2/1	Date:	10/1	9/23	•	

Field Personnel:	Logan	120	SS		Location:	DUCKCE	EEK		
Weather:	Sury 47°	-68°	longh NW		Environment:	GRASS, WOODE	AND GRA	VEL	
Multiparameter	. 0	Make:	HORIBA	Model:	U- 5000	Serial Number:	PWZ64	UD3	
Water Lev	el Meter	Make:	Heren	Model:	O: part	Serial Number:			ZHB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
рН 4.00а	4.10	s.u.	±0.1 s.u.	P	NA	NA	MSI	023067-01	3/14/2025
в 7.00а	7.06	s.u.	±0.1 s.u.	1			MSI	023051-02	2/21/2025
pH 10.00a	9.98	s.u.	±0.1 s.u.	19			MSI	022361-01	12/27/2024
SC Zero (DI)	0	μS/cm	0<25 μS/cm	P			Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	μS/cm	±5%	P			Geotech	3GF1197	Jun-24
ORP	247	mV	±15 mV	P			InSitu	3GD927	Jan-24
DO (Zero pt)	D	mg/L	±0.1	P			Macron	#000228049	8/26/2025
DO (Saturated)	19	%	97-100%	P			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0	NTU	<2 NTU	P	NA	NA	Pace Labs	N/A (DI)	N/A (DI)
Approx, every 4 hi	s, unless only or	ie well	A P		4.1				200
ICV	(Initial Calibr	ation V	erification)		Time:	6930		*4.1	
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.08	S.U.	±0.15 s.u.	D	N		Geotech	3GB1049	Feb-25
pH 7.00b	7.14	s.u.	±0.15 s.u.	P		IA	Geotech	2GF113	Jun-24
pH 10.00b	9.17	5.11.	±0.15 s.u.	F		.00	Geotech	3GA1134	Jan-25
SC 1000	960	μ5/cm	±5%	P	N	A	Ricca	4209A12	Aug-24
Approx. every 4 hr			P. As. Charles	110	The Control of the		1,12,11		
CCV (Continue		_			Time:	1447	1		
Buffer	Check Value	Units	Range	Pass/Fail	A CONTRACT OF SALES	Adjusted Reading	Manufacturer	See Land	Exp
pH 4.00a	4.09	S.U.	±0.1 s.u.	1235/1011	W A	W A	MSI	Lot#	
pH 7.00a	6.92	S.U.	±0.1 s.u.		70 14	IO AF	MSI	023067-01	3/14/2025
pH 10:00a	9.86	S.U.	±0.1 s.u.	P	1		MSI	023051-02	2/21/2025
SC 1000	1040	μS/cm	±5%	P	1		Ricca	4209A12	12/27/2024
DO (Zero pt)	0.0	mg/L	±0.1 mg/L	2			Macron		Aug-24 8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	2	NO	NA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr			121110	1 1	4137	Dri	THE LUDS	N/A (DI)	N/A (DI)
CCV (Continue	37.55		ation):		Time:		1		
	7 7 7 77	L. see		To the later of		C. a. e. a. January	July 1991 21 1911	F	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	1	s.u.	±0.1 s.u.		1	1	MSI	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.	1	-	1	MSI	023051-02	2/21/2025
10,00a	1	5.U.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
SC 1000	1	μS/cm	±5%	1			Ricca	4209A12	Aug-24
DO (Zero pt)		mg/L	±0.1 mg/1	1			Macron		8/26/2025
Turbidity (DI)		NTU	<2 NTU	-	-		Pace Labs	N/A (DI)	N/A (DI)
Comments:						-			
	/				Date:				7 =

Field Personnel:	Aaron.	Pem	berton		Location:	DUCK 1	creek		
Weather:		-	(unny mz)	2004	Environment:	gass.	1:11		
Multiparameter	Water Meter	Make:	AT	Model:	600	Serial Number:	7622	15	
Water Lev	el Meter	Make:	Heren	Model:	DIMMIT	Serial Number:	371	7-7	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	4-15	s.u.	±0.1 s.u.	T	VIS	W.00	MSI	023067-01	3/14/2025
pH 7.00a	7.06	5.U.	±0.1 s.u.	P	186	7.00	MSI	023051-02	2/21/2025
oH 10.00a	0.36	ş.u.	±0.1 s.u.	1	ies	10.00	MS!	022361-01	12/27/2024
SC Zero (DI)	1-42	μS/cm	0<25 µS/cm	0	NO	-	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1279.7	μS/cm	±5%	6	20	1	Geotech	3GF1197	Jun-24
ORP	245,8	mV	±15 mV	6	NO	1	InSitu	3GD927	Jan-24
DO (Zero pt)	0,10	mg/L	±0.1	0	NO	_	Macron	#000228049	8/26/2025
DO (Saturated)	01.72	%	97-100%	0	ON	^	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0,00	NTU	<2 NTU	6	NO	سا	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr		e well					245 (R)	1200	
	(Initial Calibr		erification)		Time:	MUI		, ~ C	
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	10,2	s.u.	±0.15 s.u.	D	_		Geotech	3GB1049	Feb-25
pH 7.00b	6.AZ	s.u.	±0.15 s.u.	8			Geotech	2GF113	Jun-24
pH 10.00b	10.08	s.u.	±0.15 s.u.	Pa	_		Geotech	3GA1134	Jan-25
SC 1000	LOK!	μS/cm	±5%	1	-		Ricca	4209A12	Aug-24
Approx. every 4 hi			1070	111			111000	12001122	
CCV (Continue			ation):		Time:	1445	1		
				la 1= 11			44 5 4	1	-
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	\$.U.	±0.1 s.u.	P	NS	-	MSI	023067-01	3/14/2025
pH 7.00a	7,03	5.U.	±0.1 s.u.	- No	NO		MSI	023051-02	2/21/2025
pH 10.00a	10.08	s.u.	±0.1 s.u.		IVO	^	MSI	022361-01	12/27/2024
SC 1000	78136	-	±5%	b	NO		Ricca	4209A12	Aug-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L	1	Na		Macron	-	8/26/2025
Turbidity (DI)	4.09	NTU	<2 NTU	P	No	_	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi				- 1			1		
CCV (Continue	d Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.	V	1	1	MSI	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
SC 1000	1	μS/cm	±5%		1		Ricca	4209A12	Aug-24
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	8/26/2025
Turbidity (DI)	1	NTU	<2 NTU	1	1	-	Pace Labs	N/A (DI)	N/A (DI)
Comments:				1		_	-		
Comments.			1	2					
			11/	/					
		-	11	-					

-	Auron	Cem	se then		Location:	Ducker	1012		
Weather:	520-75		Sunny SE 121	mph	Environment:	dones, we	1085 , Fa	eran Diel	1
Multiparameter	r Water Meter	Make:	AT	Model:	600	Serial Number:		15	
Water Lev	el Meter	Make:	Heron	Model:	Dipper	Serial Number:	371		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4-05	5.u.	±0.1 s.u.	0	CN	NW	MSI	023067-01	3/14/2025
pH 7.00a	7.00	s.u.	±0.1 s.u.	1		1	MSI	023051-02	2/21/2025
pH 10,00a	10.07	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC Zero (DI)	ret. 81	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2020.1	μS/cm	±5%				Geotech	3GF1197	Jun-24
ORP	242.8	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0.00	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	018.13	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	1	-	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h		ne well					242 6		
	(Initial Calibr		erification)		Time:	0915	LAL	126	
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.03	s.u.	±0.15 s.u.	0		M	Geotech	3GB1049	Feb-25
pH 7.00b	10191	s.u.	±0.15 s.u.			1	Geotech	2GF113	Jun-24
pH 10.00b	10.03	s.u.	±0.15 s.u.				Geotech	3GA1134	Jan-25
SC 1000	1006.6		±5%				Ricca	4209A12	Aug-24
Approx. every 4 h				, ,					
	13, unicas only of		- A. 2	-	-	100	ì		
	d Calibration	Verific			I IIYIA.	11			
CCV (Continue	_			D 15-11	Time:	1600	14	1-44	Fire
CCV (Continue Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
CCV (Continue Buffer pH 4.00a	Check Value	Units s.u.	Range ±0.1 s.u.	Pass/Fail			MSI	023067-01	3/14/2025
CCV (Continue Buffer pH 4.00a pH 7.00a	Check Value	Units s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u.	Pass/Fail			MSI MSI	023067-01 023051-02	3/14/2025 2/21/2025
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a	Check Value	Units s.u. s.u. s.u.	#0.1 s.u. #0.1 s.u. #0.1 s.u.	Pass/Fail			MSI MSI MSI	023067-01 023051-02 022361-01	3/14/2025 2/21/2025 12/27/2024
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000	Check Value 4.6 K 7.05 10.07 01.0834	Units s.u. s.u. s.u. µS/cm	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pass/Fail			MSI MSI MSI Ricca	023067-01 023051-02 022361-01 4209A12	3/14/2025 2/21/2025 12/27/2024 Aug-24
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt)	Check Value 4 8 7 05 10.01 0198,34	Units s.u. s.u. s.u. µS/cm mg/L	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L	Pass/Fail			MSI MSI MSI Ricca Macron	023067-01 023051-02 022361-01 4209A12 #000228049	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI)	Check Value 4 8 7 05 10.01 0108.34 0.09	Units s.u. s.u. s.u. µS/cm mg/L NTU	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pass/Fail			MSI MSI MSI Ricca	023067-01 023051-02 022361-01 4209A12	3/14/2025 2/21/2025 12/27/2024 Aug-24
Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h	Check Value 4 8 7 8 10 0 9 00 8 3 4 00 0 9 or, or, or, or, or, or, or, or, or, or,	Units s.u. s.u. s.u. µS/cm mg/L NTU	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU	Pass/Fail	Calibrate?	Adjusted Reading	MSI MSI MSI Ricca Macron	023067-01 023051-02 022361-01 4209A12 #000228049	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue	Check Value 4 8 7 8 10 0 9 00 8 3 4 00 0 9 or, or, or, or, or, or, or, or, or, or,	Units s.u. s.u. s.u. µS/cm mg/L NTU	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU		Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs	023067-01 023051-02 022361-01 4209A12 #000228049	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025 N/A (D!)
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue Buffer	Check Value 4 8 7 8 10 0 9 00 8 3 4 00 0 9 or, or, or, or, or, or, or, or, or, or,	Units s.u. s.u. s.u. µS/cm mg/L NTU	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU	Pass/Fail	Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer	023067-01 023051-02 022361-01 4209A12 #000228049 N/A (DI)	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025 N/A {D!}
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue Buffer 4.00a	Check Value 4 6 7 05 10.07 0108.34 0.09 or, unless only or odd Calibration	Units s.u. s.u. s.u. y.u. y.u. y.u. y.u. y.u	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u.		Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI	023067-01 023051-02 022361-01 4209A12 #000228049 N/A (DI) Lot# 023067-01	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025 N/A {D!} Exp. 3/14/2025
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a	Check Value 4 6 7 05 10.07 0108.34 0.09 or, unless only or odd Calibration	Units s.u. s.u. s.u. y.y./ y.s/cm mg/L NTU ne well Verific Units s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u.		Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI	023067-01 023051-02 022361-01 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a 10.00a	Check Value 4 6 7 05 10.07 0108.34 0.09 or, unless only or odd Calibration	Units s.u. s.u. y.u/s/cm mg/L NTU ne well Verific Units s.u. s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u.		Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI MSI	023067-01 023051-02 022361-01 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000	Check Value 4 6 7 05 10.07 0108.34 0.09 or, unless only or odd Calibration	Units s.u. s.u. f µS/cm mg/L NTU ne well Verific Units s.u. s.u. s.u. pS/cm	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.		Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI MSI Ricca	023067-01 023051-02 022361-01 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 4209A12	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025 N/A (D!) Exp. 3/14/2025 2/21/2025 12/27/2024 Aug-24
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a 10.00a	Check Value 4 6 7 05 10.07 0108.34 0.09 or, unless only or odd Calibration	Units s.u. s.u. y.u/s/cm mg/L NTU ne well Verific Units s.u. s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u.		Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI MSI	023067-01 023051-02 022361-01 4209A12 #000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01	3/14/2025 2/21/2025 12/27/2024 Aug-24 8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024

Field Personnel:	Logan	Ros	5		Location:	Duck	REEL		
Weather:	Sung 5	9-74	13me65		Environment:	GRASS W	100DS 61	2AVEL	
Multiparameter	o Water Meter	Make:	HORIBA	Model:	V-5000	Serial Number	PW26	1103	
Water Lev	el Meter	Make:	HEROW	Model:	1900	Serial Number	19 FF 22		11
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer		Exp.
pH 4.00a	3.98	S.U.	±0.1 s.u.	P	NO	-	MSI	023067-01	3/14/2025
pH 7.00a	6.79	5.U.	±0.1 s.u.	F	698	У	MSI	023051-02	2/21/2025
pH 10.00a	1.90	s.u.	±0.1 s.u.	P	h	₩.	MSI	022361-01	12/27/202
SC Zero (DI)	0.0	μS/cm	0<25 µS/cm	P	1/0	-	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1970	µS/cm	±5%	0	No	-	Geotech	3GF1197	Jun-24
ORP	241	mV	±15 mV	10	No		InSitu	3GD927	Jan-24
DO (Zero pt)	0.0	mg/L	±0.1	h	010	^	Macron	#000228049	8/26/2025
DO (Saturated)	100	%	97-100%	10	No	,	Pace Labs	N/A (DI)	N/A (DI)
Furbidity (DI)	0.0	NTU	<2 NTU	1	No	,	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr			7.13 714.5	1			T DEC ECES	IN/A (DI)	IN/A (DI)
	(Initial Calibr		erification)		Time:	0850			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
oH 4.00b	3.93	S.U.	±0.15 s.u.	P		-	Geotech	3GB1049	Feb-25
H 7.00b	7.07	s.u.	±0.15 s.u.	9		`	Geotech	2GF113	Jun-24
oH 10.00b	10.15	s.u.	±0.15 s.u.	7			Geotech	3GA1134	Jan-25
SC 1000	997	μS/cm	±5%	P	·	-	Ricca	4209A12	Aug-24
Approx. every 4 hr			March Car	1	17 Th 18				THE ET
CCV (Continue	2,1				Time:	1616	1		
Buffer	Check Value	Units.	Range	Pass/Fail	Callbrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	4.01	S.U.	±0.1 s.u.	0	NO	N/M	MSI	023067-01	3/14/2025
oH 7.00a	6.92	s.u.	±0.1 s.u.	1	700	MI	MSI	023051-02	2/21/2025
H 10:00a	9.95	s.u.	±0.1 s.u.		-		MSI	022361-01	12/27/2023
C 1000	1010	μS/cm	±5%				Ricca	4209A12	Aug-24
00 (Zero pt)	0.0	mg/L	±0.1 mg/L				Macron	-	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	11		1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr				-			1 400 2000	147-1(51)	INT (DI)
CCV (Continue	7 2175.75		ation):		Time:		7		
				La constitue es		La de Paris de Santo	Garage . An . or . or	Last Loss Dr.	1.4 - 1.5
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading			Exp.
1.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	023067-01	3/14/2025
7.00a	1	5.4.	±0.1 s.u.	1	-	-	MSI	023051-02	2/21/2025
i0.00a iC 1000	1	s.u.	±0.1 s.u.	1	1		MSI	022361-01	12/27/2024
		µS/cm	±5%	1		-	Ricca	4209A12	Aug-Z4
OO (Zero pt)		mg/L	±0.1 mg/L	1	1		Macron	#000228049	
Turbidity (DI)		UTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
comments:					1				
- 1	1	- Loc	on Ross						



Field Personnel:	Acron	Re	m 60 Aer		Location:	Du	ch cre	ele	
Weather:	670-770	Wir	osty suny	PL	Environment:	Wooks 9	ch cre-	irL, g	aul
Multiparameter	Water Meter	Make:	Horslan	Model:	Usood	Serial Number:	1001	YJ03	
Water Lev	el Meter	Make:	Heron	Model:	Differ 7	Serial Number:	PW20	XJ0	17-7
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
H 4.00a	3-90	s.u.	±0.1 s.u.	0	No	NA	MSI	023067-01	3/14/2025
H 7.00a	7.04	s.u.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
H 10.00a	10.06	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
C Zero (DI)	0.0	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
C 2000	2000	µS/cm	±5%				Geotech	3GF1197	Jun-24
ORP	237	mV	±15 mV				InSitu	3GD927	Jan-24
OO (Zero pt)	0.00	mg/L	±0.1				Macron	#000228049	8/26/2025
OO (Saturated)	97.1	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0.5	NTU	<2 NTU		-		Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 hr				-			238 @1	Rec	
	(Initial Calibr		erification)		Time:	0915	270 611		
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
H 4.00b	4.00	s.u.	±0.15 s.u.	0	Λ	117	Geotech	3GB1049	Feb-25
H 7.00b	6-89	s.u.	±0.15 s.u.	1			Geotech	2GF113	Jun-24
H 10.00b	10.04	s.u.	±0.15 s.u.				Geotech	3GA1134	Jan-25
C 1000	1010	μS/cm	±5%	L		_	Ricca	4209A12	Aug-24
Approx. every 4 hr									
CCV (Continue			ation):	-	Time:	15 13			
8uffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	-	S.U.	±0.1 s.u.	1 C33/1 C11	NO	WA	MSI	023067-01	3/14/2025
H 7.00a	4.03	s.u.	±0.1 s.u.	11	100	1	MSI	023051-02	2/21/2025
oH 10.00a	10009	s.u.	±0.1 s.u.	1	1		MSI	022361-01	12/27/2024
C 1000	10 30	µS/cm	±5%		-		Ricca	4209A12	Aug-24
DO (Zero pt)	0109	mg/L	±0.1 mg/L	1			Macron	#000228049	
Turbidity (DI)	7,0	NTU	<2 NTU	14	-	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h			VE 1410	14	-		. 000 000	14711 (24)	11,771 (2.17
CCV (Continue			ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fall	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
4.00a	1	s.u,	±0.1 s.u.	1		1	MSI	023067-01	3/14/2025
7.00a	1	S.U.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.		1		MSI	022361-01	12/27/2024
SC 1000	11	μS/cm	±5%			1	Ricca	4209A12	Aug-24
DO (Zero pt)	16	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	8/26/2025
Turbidity (DI)	1:	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Comments:		NIU	<2 N I U				Prace Labs	IN/A (DI)	N/A (DI)

Field Personnel:	Haron	Remi	relon		Location:	Dicke	reek		
Weather:	620-77	c W.	Cloudy 18 SV 8A	ren	Environment:	Woods g	wess, and	null,	8:16
Multiparameter	=	Make:	Horiba	Model:	U5000	Wools g	PV2	5850	13
Water Lev	el Meter	Make:	Heron	Model:	Dippert	Serial Number:		フーア	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	Hiaz	s.u.	±0.1 s.u.	P	20	MA	MSI	023067-01	3/14/2025
pH 7.00a	7,00	s.u.	±0.1 s.u.	1	1)	MSI	023051-02	2/21/2025
pH 10.00a	10.07	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC Zero (DI)	0.0	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2010	μS/cm	±5%				Geotech	3GF1197	Jun-24
ORP	231	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0.09	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.1	1%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	ne well					238 W	18°C	
ICV	(Initial Calibr	ration V	erification)		Time:	0915			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4-00	S.u.	±0.15 s.u.	D		JA	Geotech	3GB1049	Feb-25
pH 7.00b	6.89	s.u.	±0.15 s.u.	1	,	1	Geotech	2GF113	Jun-24
pH 10.00b	10,13	s.u.	±0.15 s.u.				Geotech	3GA1134	Jan-25
SC 1000	1000	μS/cm	±5%	1			Ricca	4209A12	Aug-24
Approx. every 4 h				-		-			
CCV (Continue			ation):		Time:	1545	1		
Buffer		1		Pass/Fai		Adjusted Reading	Manufacturer	Lot#	Exp.
	Check Value	Units	Range	Pass/rail		W/W	MSI	023067-01	3/14/2025
pH 4.00a		s.u.	±0.1 s.u.	1	No	10/19	MSI	023057-01	2/21/2025
pH 7.00a pH 10.00a	7.04	s.u. s.u.	±0.1 s.u.	1			MSI	022361-01	12/27/2024
SC 1000	10.08	μS/cm	±5%	++			Ricca	4209A12	Aug-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L	++-			Macron	#000228049	
Turbidity (DI)	0.0	NTU	<2 NTU	-		1_	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h			121110	1,	,		7 446 2300	1.07.1 (2.0)	interior.
CCV (Continue			ation):		Time:		1		
				In /m . t			Manufact	Lastr	-
Buffer	Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer MSI	Lot# 023067-01	Exp. 3/14/2025
4.00a	_	s.u.	±0.1 s.u.	1	1	·			
7.00a	-	s.u.	±0.1 s.u.	1	1		MSI	023051-02 022361-01	2/21/2025
10.00a	1	S.U.	±0.1 s.u.	+	1	1		4209A12	12/27/2024 Aug. 24
CC 1000	1	μS/cm	±5%	1	1		Ricca Macron	#000228049	Aug-24 8/26/2025
SC 1000	1	mg/L	±0.1 mg/L	1	1	1		N/A (DI)	N/A (DI)
SC 1000 DO (Zero pt) Turbidity (DI)	1	NTU	<2 NTU	1	-		Pace Labs	INIA IOH	



Field Personnel:	Herran	19	m bestor	,	Location:	Ducke	rech		
Weather:	6K0- 70	10 C	elovary, ro	`~	Environment:	Woods 1	nul qu	کرچچ	
Multiparamete	r Water Meter	Make:	Flor: 64	Model:	V 5000	Serial Number:	WUG	8308	35
. Water Lev	el Meter	Make:	Hean	Model:	Dippert	Serial Number:	3717	7-7	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	4.07	5.U.	±0.1 s.u.	0	NO	NA	MSI	023067-01	3/14/2025
oH 7.00a	6.017	s.u.	±0.1 s.u.	11	(MSI	023051-02	2/21/2025
oH 10.00a	9.96	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC Zero (DI)	0.0	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2030	μS/cm	±5%				Geotech	3GF1197	Jun-24
ORP	234	m۷	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0-001	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	019.2	96	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Furbidity (DI)	01-01	NTU	<2 NTU	-	J.	,	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h		ne well					237 (W	1901	
	(Initial Calibr		erification)		Time:	0915			
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
oH 4.00b	W.03	S.U.	±0.15 s.u.	0	N/		Geotech	3GB1049	Feb-25
oH 7.00b		s.u.	±0.15 s.u.	+	- NI		Geotech	2GF113	Jun-24
pH 10.00b	0.87	5.U.	±0.15 s.u.	++-			Geotech	3GA1134	Jan-25
SC 1000	1010	uS/cm	±5%				Ricca	4209A12	Aug-24
Approx. every 4 h					- Ave				1 1 4 4 1
CCV (Continue			ationl.		Time:	1547			
	1			I- (- a)					-
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	s.u.	±0.1 s.u.	P	NC	NA	MSI	023067-01	3/14/2025
pH 7.00a	7.03	5.U.	±0.1 s.u.	11			MSI	023051-02	2/21/2025
pH 10.00a	10.04	5.U.	±0.1 s.u.	1			MSI	022361-01	12/27/202
SC 1000	1030	μS/cm	±5%				Ricca	4209A12	Aug-24
DO (Zero pt)	0.09	mg/L	±0.1 mg/L	-	}	-	Macron		8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h					1		1		
CCV (Continue	ed Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.		\		MSI	023067-01	3/14/2025
7.00a		s.u.	±0.1 s.u.	1	1		MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.				MSI	022361-01	12/27/202
SC 1000		μ\$/cm	±5%	1			Ricca	4209A12	Aug-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	-	NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Comments:		1			1				

Field Personnel:	Logun	Ross			Location:	DUCK C	REEK		
Weather:	70-1040		Y/RAIN 9m	ph S	Énvironment:	1	LOWDLANT	GRAVE	ا
Multiparameter	Water Meter	Make:	HORIBA	Model:	V-5000	2. 生 1. " 他 A L L E H	PWZG	,	
Water Lev	el Meter	Make:	HERRON	Model:	dipper-T	Serial Number:	11 FFZZ		MC
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	410	s.u.	±0.1 s.u.	P	-	-	MSI	023067-01	3/14/2025
aH 7.00a	6.93	s.u.	±0.1 s.u.	P	~	_	MSI	023051-02	2/21/2025
он 10.00а	9 53	s.u.	±0.1 s.u.	=	У	9.99	MSI	022361-01	12/27/2024
SC Zero (DI)	5.0	u5/cm	0<25 μS/cm	7			Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1999	µS/cm	±5%	P			Geotech	3GF1197	Jun-24
ORP.	736	mV	±15 mV	P		-	InSitu	3GD927	Jan-24
DO (Zero pt)	,23	mg/L	±0.1	F	W	0.0	Macron		8/26/2025
DO (Saturated)	78	%	97-100%	P	7	0,0	Pace Labs	N/A (D!)	N/A (DI)
	1.2	NTU	<2 NTU	P		_	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI) Approx. every 4 hr			\Z N10			S. F. T. M (F 17)	FOCE LADS	INA (DI)	IN/A (DI)
			prification		1. M * 1.	1.900			
	(Initial Calibr			le de o	Time:	2908	Lace - John Miles 11	1.30 Ob. 2 4.50	
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
oH 4.00b	4.02	s.u.	±0.15 s.u.	P	NF		Geotech	3GB1049	Feb-25
pH 7.00b	6.91	5.U.	±0.15 s.u.	P	NA		Geotech	2GF113	Jun-24
pH 10.00b	10.01	5.U.	±0.15 s.u.	7	NA		Geotech	3GA1134	Jan-25
SC 1000	1050	μS/cm	±5%	P	NA		Ricca	4209A12	Aug-24
Approx. every 4 hr	s, unless only or	ne well	William Maria		and the state of			4 12	1:5
CCV (Continue	d Calibration	Verifica	ation):		Time:			74.1	
Buffer	Check Value	Units	Range	Pass/Fall	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	W ()4	s.u.	±0.1 s.u.	Y.7		NA	MSI	023067-01	3/14/2025
pH 7.00a	6.42	S.U.	±0.1 s.u.	P		NA	MSI	023051-02	2/21/2025
pH 10.00a	999	S.U.	±0.1 s.u.	8	~	NA	MSI	022361-01	12/27/2024
€ 1000	1030	μS/cm	±5%	P	-	NA	Ricca	4209A12	Aug-24
DO (Zero pt)	0.0	mg/L	±0.1 mg/L	D		NA-	Macron		8/26/2025
Furbidity (DI)	0.0	NTU	<2 NTU	P		NA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr					10.25	J. 1 344	1 400 2400	N/A (DI)	IVA (DI)
CCV (Continue			ationly		Time:		1 -		
				1 22 00 0			data de la compansión d		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		S.U.	±0.1 s.u.				MSI	023067-01	3/14/2025
7.00a		s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025
10. 0 0a		s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
C 1000		μS/cm	±5%				Ricca	4209A12	Aug-24
OO (Zero pt)		mg/L	±0.1 mg/L				Macron		8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:									

Logar Ross



	Mult	ipar	ameter N	Neter	Field Co	alibration	Checklis	t	
Field Personnel:	Brendon	G	pnnon		Location:	Duck Cr	eek Ps		
Weather:	650 Clou	dy C	1.	NE	Environment:	Grass F	ield		
Multiparameter	r Water Meter	Make:	Horiba	Model:	U-5000	Serial Number:	WUG 8	3C85	>
Water Lev	el Meter	Make:	Heron	Model:	Digger-T	Serial Number:	11FF221	09309	inl
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.01.	s.u.	±0.1 s.u.	IP	N/	JIA	MSI	L344-09	12/14/2023
pH 7.00a	6.98	s.u.	±0.1 s.u.		i	1	MSI	L343-07	12/9/2023
pH 10.00a	9.99	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	8	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2040	μS/cm	±5%				Geotech	3GA1071	Jan-24
ORP	233	mV	±15 mV				InSitu	2 G1761	Jumes:
DO (Zero pt)	.08	mg/L	±0.1				Macron	#000228049	
DO (Saturated)	100	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	rs, unless only on	ne well						-	
ICV	(Initial Calibr	ation V	erification)		Time:	1030			
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.04	s.u.	±0.15 s.u.	0	N		Geotech	2GE870	Mar-24
pH 7.00b	706	5.u.	±0.15 s.u.		10		Geotech	2GC931	Mar-24
pH 10.00b	1004	s.u.	±0.15 s.u.	1			Geotech	2GE820	May-24
SC 1000	1030	µS/cm	±5%			-	Ricca	4207N97	Jul-24
Approx. every 4 hr	's, unless only on				7			T5. 143/	1201 27
CCV (Continue			ation):		Time:	1423			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
рН 4.00а	4.03	s.u.	±0.1 s.u.	4	U	Alv	MSI	L344-09	12/14/2023
pH 7.00a	6.99	s.u.	±0.1 s.u.	1		- 1	MSI	L343-07	12/9/2023
pH 10.00a	9,98	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1020	μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	10.	mg/L	±0.1 mg/L	1			Macron	#000228049	8/26/2025
Turbidity (DI)	000	NTU	<2 NTU			+	Pace Labs	N/A (DI)	N/A (D1)
Approx. every 4 hr	s, unless only on	e well							
CCV (Continue	d Calibration	Verifica	ation):		Time:				
	Check Value	_		Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	1000	s.u.	±0.1 s.u.	1	\	Justice Acading	MSI	L344-09	12/14/2023
7.00a	1	S.u.	±0.1 s.u.		1	1	MSI	L344-05	12/9/2023
10.00a		s.u.	±0.1 s.u.		1		MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%	1		1	Ricca	4207N97	Jui-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron		8/26/2025
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:			20	-		I		Town theil	1.21.151
Signature:	Brank	in	Mu		Date:	10120	123		



Multiparameter Water M Water Level Meter Buffer Check pH 4.00a	Meter Make: Walue Units S.u. S.u. S.u. Make: Walue Units S.u. Make: M	Horigan Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	Model Model Pass/Fa	Disper 7	Serial N	lumber:	WUG	23067-01 023067-01 023051-02 022361-01 N/A (DI) 3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	Exp. 3/14/2025 2/21/2025 12/27/202 N/A (DI) Jun-24 Jan-24
Water Level Meter Buffer Check pH 4.00a	Make: Value Units s.u. s.u. ys/cm ps/cm mV mg/L mg/L only one well Calibration V Value Units s.u. s.u.	Hori (gu Heron Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	Model Model Pass/Fa	Disper 7	Serial N Adjusted R	umber:	Manufacturer MSI MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	Lot# 023067-01 023051-02 022361-01 N/A (DI) 3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	Exp. 3/14/2025 2/21/2025 12/27/202 N/A (DI) Jun-24 Jan-24 8/26/2025 N/A (DI)
Buffer Check pH 4.00a pH 7.00a pH 10.00a SC Zero (DI) SC 2000 ORP DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	Value Units s.u. s.u. s.u. s.u. s.y/cm s/s/cm s/s/cm s/s/cm s/s/cm s/s/cm s/s/cm s/s/cm s/s/cm value Units s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	Pass/Fa	Calibrate?	Adjusted R	eading	Manufacturer MSI MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	Lot# 023067-01 023051-02 022361-01 N/A (DI) 3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	Exp. 3/14/2025 2/21/2025 12/27/202 N/A (DI) Jun-24 Jan-24 8/26/2025 N/A (DI)
pH 4.00a pH 7.00a pH 7.00a pH 10.00a SC Zero (DI) SC 2000 ORP DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	s.u. s.u. s.u. s.u. s.ycm s.ycm s.ycm sycm sycm sycm sycm sycm sych sycm sych sych sych sych sych sych sych sych	±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	P	Time			MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	023067-01 023051-02 022361-01 N/A (DI) 3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	3/14/2025 2/21/2025 12/27/202 N/A (DI) Jun-24 Jan-24 8/26/2025 N/A (DI)
pH 7.00a pH 10.00a SC Zero (DI) SC 2000 ORP DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	s.u. s.u. s.u. s.u. s.u. s.u. s.u. s.u.	±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	Pass/Fa	Time			MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	023051-02 022361-01 N/A (DI) 3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	2/21/2025 12/27/202 N/A (DI) Jun-24 Jan-24 8/26/2025 N/A (DI)
pH 10.00a SC Zero (DI) SC 2000 ORP DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	s.u. ys/cm µs/cm µs/cm nv my/ mg/L nmy/ nmy/ nmy/ nmy/ nmy/ value units s.u. s.u.	±0.1 s.u. 0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	Pass/Fa		2.0930		MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	022361-01 N/A (DI) 3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	12/27/202 N/A (DI) Jun-24 Jan-24 8/26/2025 N/A (DI)
pH 10.00a SC Zero (DI) SC 2000 ORP DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	s.u. ys/cm µs/cm µs/cm nv my/ mg/L nmy/ nmy/ nmy/ nmy/ nmy/ nmy/ value units s.u. s.u.	0<25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u.	Pass/Fa		2:0930		Pace Labs Geotech InSitu Macron Pace Labs Pace Labs	N/A (DI) 3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	N/A (DI) Jun-24 Jan-24 8/26/2025 N/A (DI)
SC 2000 ORP DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	μS/cm mV mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	±5% ±15 mV ±0.1 97-100% <2 NTU (erification) Range ±0.15 s.u.	Pass/Fa		2:1930		Geotech InSitu Macron Pace Labs Pace Labs	3GF1197 3GD927 #000228049 N/A (DI) N/A (DI)	Jun-24 Jan-24 8/26/2025 N/A (DI)
ORP DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	mV mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	±15 mV ±0.1 97-100% <2 NTU (erification) Range ±0.15 s.u.	Pass/Fa		1930		InSitu Macron Pace Labs Pace Labs	3GD927 #000228049 N/A (DI) N/A (DI)	Jan-24 8/26/2025 N/A (DI)
DO (Zero pt) DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	mg/L 7 % NTU conly one well Calibration V Value Units \$\(\) s.u. \$\(\) s.u.	±0.1 97-100% <2 NTU (erification) Range ±0.15 s.u.	Pass/Fi		:: 1930		Macron Pace Labs Pace Labs	#000228049 N/A (DI) N/A (DI)	8/26/2025 N/A (DI)
DO (Saturated) Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b pH 7.00b pH 10.00b SC 1000	7 % NTU conly one well Calibration V Value Units Su. Su.	97-100% <2 NTU (erification) Range ±0.15 s.u.	Pass/Fi		W930		Pace Labs Pace Labs	N/A (DI) N/A (DI)	N/A (DI)
Turbidity (DI) Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b	Calibration V Value Units (s.u.	<2 NTU erification) Range ±0.15 s.u.	Pass/Fa		: 0930		Pace Labs	N/A (DI)	
Approx. every 4 hrs, unless ICV (Initial Buffer Check pH 4.00b	calibration V Value Units Sulue Sulu	erification) Range ±0.15 s.u.	Pass/Fa		1930				N/A/DIV
ICV (Initial Buffer Check pH 4.00b	Calibration V Value Units (s.u. s.u.	Range ±0.15 s.u.	Pass/Fa		1930		736 W		Tinh w / Dill
Buffer Check pH 4.00b	Value Units S.u.	Range ±0.15 s.u.	Pass/Fa		: 0930			20°C	
pH 4.00b	\$ s.u.	±0.15 s.u.	Pass/Fa	il Acti					
pH 4.00b	\$ s.u.	±0.15 s.u.	10		ion Taken?		Manufacturer	Lot#	Exp.
pH 7.00b pH 10.00b SC 1000	5 s.u.		10	-	NO		Geotech	3GB1049	Feb-25
pH 10.00b 01.		±0.15 s.u.	1		1		Geotech	2GF113	Jun-24
SC 1000 1 0 d	1 LA 5.U.	±0.15 s.u.	1		1		Geotech	3GA1134	Jan-25
		±5%	1		1		Ricca	4209A12	Aug-24
Approx. every 4 hrs, unless	only one well								
CCV (Continued Calib	ration Verific	ation):		Time:	1530		1		
Buffer Check		Range	Pass/Fa	il Calibrate?	Adjusted P	eading	Manufacturer	Lot#	Exp.
pH 4.00a 4.0		±0.1 s.u.	P	1/0	N/		MSI	023067-01	3/14/2025
pH 7.00a 7.0		±0.1 s.u.	1	7,70	1	-	MSI	023051-02	2/21/2025
pH 10.00a /0.0		±0.1 s.u.	11	1 1			MSI	022361-01	12/27/202
SC 1000 10	30 μS/cm	±5%					Ricca	4209A12	Aug-24
DO (Zero pt)		±0.1 mg/L	11				Macron	#000228049	
Turbidity (DI)		<2 NTU	1	1	1 2		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hrs, unless			•		-				
CCV (Continued Calib		ation):		Time	a.				
Buffer Check			Done /C			ooding	Manufacturer	Lasti	Fun
			Pass/Fa	Cambrater	Adjusted F	eauing	MSI	Lot# 023067-01	Exp.
4.00a 7.00a	5.U.	±0.1 s.u.	1	1	1		MSI	023057-01	3/14/2025 2/21/2025
10.00a	s.u. s.u.	±0.1 s.u.	1	1	1	_	MSI	022361-02	12/27/202
SC 1000	μS/cm	±5%	1	1	1	_	Ricca	4209A12	Aug-24
DO (Zero pt)	mg/L	±0.1 mg/L	1	1	1		Macron	#000228049	8/26/2025
Turbidity (DI)	NTU	<2 NTU	1	1	1		Pace Labs	N/A (DI)	N/A (DI)
Comments:	T INTO	-21170		4		-		-41.1011	1.41.101



Multiparameter Water Make: HoTCIBIA Model: U - Sood Serial Number: TO DEAND	Field Personnel:	Logar	· R	055		Location:	DUCK	CREEK			
Water Level Meter	Weather:	U		UDY PAIN	Bonths	Environment:	GEASSLAND, WOODLAND				
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manifacturer LOW February Low	Multiparamete	Water Meter	Make:	HORIBA	Model:	U-5000	Serial Number:	1W264	103		
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lots Lots Ph 4.00a U O S.U. ±0.1 S.U. D.	Water Lev	el Meter	Make:	Herron	Model:	dipper-T	Serial Number:	liFF22	0930	SML	
Display	Buffer	Check Value	Units	Range.	Pass/Fail	Calibrate?	Adjusted Reading		A 14 - 4-1	Ехр.	
PH 10:009a	pH 4.00a	-111	s.u.	±0.1 s.u.	P	N	NA	MSI		3/14/2025	
SC Zeró (DI)	рн 7.00а	10.90	s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025	
Second 1	рн 10.00а	10.07	S.U.					MSI	022361-01	12/27/202	
Company Comp	SC Zero (DI)	1002	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)	
DO (Zero pt) DO Macron #000228049 8/26 DO (Saturateel) To Macron #000228049 8/26 DO (Saturateel) To Macron #000228049 8/26 DO (Saturateel) To Macron #000228049 8/26 DO (Saturateel) To Macron #000228049 8/26 DO (Saturateel) To Macron #000228049 8/26 DO (Zero pt) Do Do Macron #000228049 8/26 DO (Zero pt) Do Macron #000228049 8/26 DO (Zero pt) Macron #000228049 8/26 DO (Zero p	SC 2000	2080	μS/cm	±5%				Geotech	3GF1197	Jun-24	
DO (Saturated)	ORP	238	mV	±15 mV				InSitu	3GD927	Jan-24	
Turbidity (Di)	DO (Zero pt)	-04	mg/L	±0.1				Macron	#000228049	8/26/2025	
Approx. every 4 hrs, unless only one well	DO (Saturated)	99.9	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)	
Approx. every 4 hrs, unless only one well	Turbidity (DI)	0,0	NTU	<2 NTU	P	N	NA	Pace Labs	N/A (DI)	N/A (DI)	
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# E pH 4.00b 4 , 0	Approx. every 4 h	s, unless only or	e well	134							
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# E pH 4.00b 4 , 0	ICV	(Initial Calibr	ation V	erification)		Time:	0918				
PH 4-00b			1.	10	Pass/Fail	Actio	n Taken?	Manufacturer	1.01#	Exp.	
PH 7.00b		7 75 8								Feb-25	
Ph 10.00b 10.13 S.U. ±0.15 S.U. ±0.15 S.U. Geotech 3GA1134 Jan-2 SC 1000 7.7 μS/cm ±5% P N A Ricca 4209A12 Aug-Approx. every 4 Aris, unless only one well		1.0	_			- 70				Jun-24	
Sc 1000 7 7 µS/cm ±5% P										Jan-25	
Approx, every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# E PH 4.00a 7, 0 8 s.u. ±0.1 s.u.		979			P	ALG				Aug-24	
CCV (Continued Calibration Verification): Time:	Approx. every 4 hi	s, unless only or		TA, MASSIA		1900					
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# E PH 4.00a						Time:	1523				
pH 4.00a	47 3 2 11 2 2		1127		Dese /Fort	1 2 200		Name (Associate)	100 x 25 m 10	Exp	
pH 7.00a 7 0 2 s.u. ±0.1 s.u. MSI 023051-02 2/21, pH 10:00a 1, 90 s.u. ±0.1 s.u. MSI 022361-01 12/2 SC 1000 MSI 022361-01 12/2 SC 1000 Ricca 4209A12 Aug Aug Macron #000228049 8/26, Turbidity (DI) Macron #000228049 8/26, Turbidity (DI) N/A (DI) N/	1 12 12 12		-						20.00		
pH 10:00a 1, P s.u. ±0,1 s.u. MSI 022361-01 12/2 SC 1000 I O I O μS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) O O mg/L ±0.1 mg/L Macron #000228049 8/26, Turbidity (DI) 1, 7 NTU <2 NTU					1	1	I I			2/21/2025	
SC 1000 10 10 µS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) Û					1	-				-	
DO (Zero pt) D O mg/L ±0.1 mg/L					H					12/27/2024	
Turbidity (Dt)			_			-					
Approx. every 4 hrs; unless only one well CCV (Continued Calibration Verification): Time: Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# E 4.00a s.u. ±0.1 s.u. MSI 023057-01 3/14, 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21, 10.00a s.u. ±0.1 s.u. MSI 022361-01 12/2 SC 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) mg/l ±0.1 mg/l Macron #000228049 8/26, Turbidity (DI) NTU <2 NTU			_		P	4/	10				
CCV (Continued Calibration Verification): Time: Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# E 4.00a s.u. ±0.1 s.u. MSI 023067-01 3/14, 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21, 10,00a s.u. ±0.1 s.u. MSi 022361-01 12/2 Sc 100a µS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) mg/l ±0.1 mg/l Macron #000228049 8/26, Turbidity (DI) NTU <2 NTU				ZIVID		22,112710	PA	T dec Labs	Ind w (Di)	MA (Di)	
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# E						1 40 41 <u>4.</u> 1		1			
4.00a s.u. ±0.1 s.u. MSI 023067-01 3/14, 7.00a s.u. ±0.1 s.u. MSI 023051-02 2/21, 10.00a s.u. ±0.1 s.u. MSI 022361-01 12/2 SC 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26, Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI)			1		1. 225 329 3	*1. * 17. *	F . A & A	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	F 100 1 1		
7.00a S.u. ±0.1 s.u. MSI 023051-02 2/21, 10,00a S.u. ±0.1 s.u. MSi 022361-01 12/2 SC 1000 μS/cm ±5% Ricca 4209A12 Aug-DO (Zerσ pt) mg/L ±0.1 mg/L Macron #000228049 8/26, Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI)		Check Value	Units		Pass/Fail	Calibrate?	Adjusted Reading			Ехр.	
10:00a s.u. ±0.1 s.u. MSi 022361-01 12/2 SC 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zerσ pt) mg/L ±0.1 mg/L Macron #000228049 8/26, Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (1				1	1			3/14/2025	
SC 1000 μS/cm ±5% Ricca 4209A12 Aug- DO (Zerσ pt) mg/L ±0.1 mg/L Macron #000228049 8/26, Turbidity (DI) NTU <2 NTU		1				1	1			2/21/2025	
DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26, Turbidity (DI) NTU <2 NTU	10.00a	1			1	1	1			12/27/2024	
Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A		1			1	_	1			Aug-24	
		-			1	1	-			8/26/2025	
Comments:			NTU	<2 NTU	1		1	Pace Labs	IN/A (DI)	N/A (DI)	
	Comments:				,						
Signature: 10/27/23	0	7				nati.	. 1	1 -			



	Mult	ipar	ameter I	Meter	Field Co	alibration	Checklis	t	
Field Personnel:	Joor	Re	el		Location:	Duck	Cree	to Pa	wel
Weather:	cloud.	1/10	ia		Environment:	wet	aras	31	
Multiparameter	Water Meter	l Make:	Horiba	Model:	V5000	Serial Number:	129 K	J'9HA	?
Water Lev	el Meter	Make:	41	Model:	3eries	Serial Number:	195	F2111	192#B
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.00	s.u.	±0.1 s.u.	12	\mathcal{N}		M\$I	023067-01	3/14/2025
pH 7.00a	7.00	s.u.	±0.1 s.u.	1	1		MSI	023051-02	2/21/2025
pH 10.00a	10.02	Ş.U.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC Zero (DI)	0.0	μ5/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2000	μS/cm	±5% .				Geotech	3GF1197	Jun-24
ORP	2413	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0.01	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.0	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU		-	,	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s. unless only or	ne well					1		
	(Initial Calibr		/erification)	-	Time:	1020	1		
		1	_	Does/Fall	-	1000	Monufacturar	Lot#	Evo
Buffer	Check Value	Units	Range	Pass/Fail	Actic	n Taken?	Manufacturer	Lot# 3GB1049	Exp. Feb-25
pH 4.00b	3.97	5.U.	±0.15 s.u.	1	- N		Geotech	F5.7610.76.76	
pH 7.00b	698	s.u.	±0.15 s.u.	1	1		Geotech	2GF113	Jun-24
pH 10.00b	10.00	S.U.	±0.15 s.u.	1	-		Geotech Ricca	3GA1134 4209A12	Jan-25 Aug-24
SC 1000	1010	μS/cm	±5%	1	_		NICCO	4205A12	Aug-24
Approx. every 4 hi						11230	1		
CCV (Continue	d Calibration	Verific	ation):	_	Time:	1530			
Buffer	Check Value	Units	Range	Pass/Fail	- Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4 00	s.u.	±0.1 s.u.	P	N		MSI	023067-01	3/14/2025
pH 7.00a	6.99	s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025
pH 10.00a	9 94	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC 1000	1010	μS/cm	±5%				Ricca	4209A12	Aug-24
DO (Zero pt)	0.01	mg/L	±0.1 mg/L				Macron	#000228049	-
Turbidity (DI)	0.0	NTU	<2 NTU	1	4		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only or	ne well				1			
CCV (Continue	d Calibration	Verific	:ation):		Time				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ēxp.
4.00a	*	s.u.	±0.1 s.u.	, 200, 1 1		1	MSI	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
SC 1000	1	μS/cm		1		1	Ricca	4209A12	Aug-24
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	
Turbidity (DI)	1	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Comments:		1010	12.11.0	1		1	1.000	1-37-7	1.4.5.4
Comments.									
	^		24 4	-		1	1		_
Signature:	() 000	.1	X DI		Date	10/2	7/23		
Signature:	MA	M	V VIII		Date	10/2	1/4		
	10	1	1			1	1		
	//	1			1				

Field Personnel:	Auran	Rem	bellon		Location:	DUCH	creek		
Weather:	350-410	1.18 S	NNY lings		Environment:	gass m	vs m	avel.	
Multiparameter	Water Meter	Make:	AT	Model:	600	Serial Number:	60612	7	
Water Lev	el Meter	Make:	Heron	Model:	Digari	Serial Number:	3117	-7	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
он 4.00а	4.11	s.u.	±0.1 s.u.	R	ves	400	MSI	023067-01	3/14/2025
H 7.00a	7,00	s.u.	±0.1 s.u.	6	Ves	7-02	MSI	023051-02	2/21/2025
он 10.00а	10.4	s.u.	±0.1 s.u.	15	Lies	10.04	MSI	022361-01	12/27/202
C Zero (DI)	12.0	μS/cm	0<25 μS/cm	1	30	•	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2000	μS/cm	±5%	P	No	_	Geotech	3GF1197	Jun-24
ORP	235.7	mV	±15 mV	1	No	_	InSitu	3GD927	Jan-24
DO (Zero pt)	0.00	mg/L	±0.1	0	No	_	Macron	#000228049	8/26/2025
DO (Saturated)	18.46	%	97-100%	6	Na	-	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (Dt)	0.00	NTU	<2 NTU	J. B	NO	-	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr		ne well					23500	20°C	
ICV	(Initial Calibr	ation V	erification)		Time:	1000	3.6		
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
oH 4.00b	4.02	s.u.	±0.15 s.u.	D		A	Geotech	3GB1049	Feb-25
pH 7.00b	6-86	s.u.	±0.15 s.u.		/1	71	Geotech	2GF113	Jun-24
pH 10.00b	9.03	s.u.	±0.15 s.u.				Geotech	3GA1134	Jan-25
SC 1000	121.01	uS/cm	±5%				Ricca	4209A12	Aug-24
Approx. every 4 hr				1 -			-		
CCV (Continue			ation):		Time:	1500			
				Deset Tail	Calibrate?		Manufacturas	1	F
Buffer	Check Value	Units	Range	Pass/Fail	NO	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	4.05	s.u.	±0.1 s.u.	1	100	N/A	MSI		3/14/2025
pH 7.00a	7.02	5.U.	±0.1 s.u.				MSI		2/21/2025
pH 10.00a SC 1000	10.08	\$.U.	±0.1 s.u.				MSI Ricca	022361-01 4209A12	12/27/2024
	1012	μS/cm		+				-	Aug-24
DO (Zero pt) Turbidity (DI)	0.00	mg/L NTU	±0.1 mg/L <2 NTU		+	1	Macron Pace Labs		8/26/2025
	-		NZ NIO	-	+		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr CCV (Continue			-4:\-				ľ		
					Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading		Lot#	Ехр.
4.00a		s.u.	±0.1 s.u.			1	MSI	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
C 1000	1	μ\$/cm	±5%	1	-		Ricca	4209A12	Aug-24
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron		8/26/2025
	1	NTU	<2 NTU		1		Pace Labs	IN/A (DI)	N/A (DI)
Turbidity (DI) Comments:		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (D

Field Personnel:	Locan	12			Location:	DUCKCR	EEL		
Weather:	Sung Ze	0-41	" Ilmph Ni	W	Environment:	GRUSSLA		LAND	
Multiparameter	Water Meter	Make:	HOZIBA	Model:	U-5000	Serial Number:			
Water Lev	el Meter	Make:	HERRON	Model:	dipper-T	Serial Number:	11FF220		
8uffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	s.u.	±0.1 s.u.	P	1/0	ND	MSI	023067-01	3/14/2025
pH 7.00a	693	S.U.	±0.1 s.u.				MSI	023051-02	2/21/2025
рН 10.00а	9.99	S.U.	±0.1 s.u.				MSI	022361-01	12/27/202
SC Zero (DI)	0,000	μS/cm	0<25 µS/cm	17			Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1970	μ5/cm	±5%				Geotech	3GF1197	Jun-24
ORP	739	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	.00	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	97.6	%	97-100%				Pace Labs	N/A (D!)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	1	1	-	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unless only or	e well	č,	- ;				CATTE THE	
ICV	(Initial Calibr	ation V	erification)		Time:	0900		414	
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.11	s.u.	±0.15 s.u.	n	NA		Geotech	3GB1049	Feb-25
pH 7.00b	7.02	S.U.	±0.15 s.u.	1	/\/		Geotech	2GF113	Jun-24
pH 10.00b	10.07	s.u.	±0.15 s.u.				Geotech	3GA1134	Jan-25
SC 1000	961	μS/cm	±5%		1		Ricca	4209A12	Aug-24
Approx. every 4 h			44.6		.5.35				
CCV (Continue		-	ation):		Time:	1516			
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.99	S.u.	±0.1 s.u.	033/141	NO	ANN	MSI	023067-01	3/14/2025
pH 7.00a	7,01	s.u.	±0.1 s.u.	R	700	MIH	MSI	023051-02	2/21/2025
pH 10:00a	9.96	5.U.	±0.1 s.u.		1		MSI	022361-01	12/27/202
SC 1000	1020	µS/cm	±5%	1			Ricca	4209A12	Aug-24
DO (Zero pt)	0.00	mg/L	±0.1 mg/L			-	Macron	#000228049	8/26/2025
Turbidity (DI)	100	NTU	<2 NTU		1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs. unless only or	1						1 , ,	1.4.4.4
CCV (Continue					Time:]		
		_		Pace /Fail		Adjusted Boading	Kan Life at Line	1 1 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 Paris
	Check Value			Pass/Fall	Calibrater	Adjusted Reading	MSI		Exp:
4.00a	-	s.u.	±0.1 s.u.	1	1	1	MSI	023067-01	3/14/2025
7.00a	1	S.U.	±0.1 s.u.	1	1	1	MSI	022361-02	2/21/2025
10.00a SC 10 00	1	s.u. μS/cm	±0.1 s.u.	1	-	1	Ricca	4209A12	12/27/202
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron		Aug-24 8/26/2025
Turbidity (DI)	1	NTU	<2 NTU	1	-	-	Pace Labs	N/A (DI)	
Comments:		HIU	VZ N TO				Lace raps	IN/A (DI)	N/A (DI)

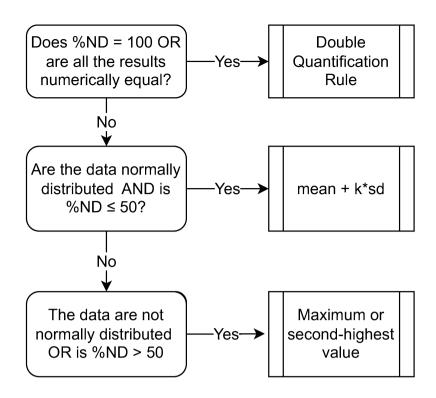
Field Personnel:	100,01	Ri	wexta)	Location:	Dick	creek		
Weather:	329 rug	ms	Sunny	m	Environment:	grass,	mus		
Multiparamete	Water Meter	Make:	HOVEL	Model:	U Sava	Serial Number	6058	308	5
Water Lev	el Meter	Make:	Herm	Model:	Dipper 7	Serial Number	371	17-7	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,04	s.u.	±0.1 s.u.	P	NO	WA	MSI	023067-01	3/14/2025
pH 7.00a	7.03	s.u.	±0.1 s.u.	1		1	MSI	023051-02	2/21/2025
pH 10.00a	10-07	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC Zero (DI)	0.0	μ5/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2020	μS/cm	±5%				Geotech	3GF1197	Jun-24
ORP	230	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0100	mg/L	±0.1				Macron	#000228049	
DO (Saturated)	98.9	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	-		2	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h							237@	1000	
ICV	(Initial Calibr	ation V	rification)		Time:	0910			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.00	s.u.	±0.15 s.u.	P		NA	Geotech	3GB1049	Feb-25
pH 7.00b	6188	s.u.	±0.15 s.u.	7		1	Geotech	2GF113	Jun-24
pH 10.00b	10.10	s,u.	±0.15 s.u.				Geotech	3GA1134	Jan-25
SC 1000	10 30	μS/cm	±5%	1		I	Ricca	4209A12	Aug-24
Approx, every 4 h	rs, unless only or	ne well							
CCV (Continue	d Calibration	Verific	ation):		Time:	1420			
Buffer	Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.04	s.u.	±0.1 s.u.	P	No	NM	MSI	023067-01	3/14/2025
pH 7.00a	2.01	s.u.	±0.1 s.u.	1	700	1	MSI	023051-02	2/21/2025
pH 10.00a	10.03	s.u.	±0.1 s.u.	1			MSI	022361-01	12/27/2024
SC 1000	787	µS/cm	±5%				Ricca	4209A12	Aug-24
DO (Zero pt)	0.04	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	11	1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	ne well					,,,		
CCV (Continue	d Calibration	Verific	ation):		Time:		7		
		7		Docc /Fai		Adjusted Reading	Manufacturer	Lot#	Evn
Buffer	Check Value	Units	t0.1 s.u.	Pass/Fai	Calibrate?	Adjusted Keading	MSI	023067-01	Exp. 3/14/2025
4.00a 7.00a	1	S.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.	1	1		MSI	022351-01	12/27/2024
SC 1000	1	μS/cm	±5%	1			Ricca	4209A12	Aug-24
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU	1	1	/	Pace Labs	N/A (DI)	N/A (DI)
Comments:	_								



	VO		(ee		Location:	VUC	11 CLA	et	
Weather:	40cm 61	FI	artly clou	ly	Environment	Grass			
Multiparameter	Water Meter	Make	Hosiba	Model:	U 5000	Serial Number:	YL9K	J9HA	t
Water Lew	el Meter	Make:	Heron	Model:	Series 1900	Serial Number:	19 FF	2/1119	2 HB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.00	S.U.	±0.1 s.u.	P	N		MSI	023067-01	3/14/2025
pH 7.00a	7.02	s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025
oH 10.00a	10.010	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC Zero (DI)	0.014	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2020	µS/cm	±5%				Geotech	3GF1197	Jun-24
ORP	241	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Żero pt)	001	mg/L	±0.1				Macron		8/26/2025
DO (Saturated)	99.1	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.1	NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s. unless only or		1.0	1	100	-			,-,-,
	(Initial Calibr		/erification)		Time:	9 45			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4 00	s.u.	±0.15 s.u.	R	Λ/	*	Geotech	3GB1049	Feb-25
pH 7.00b	6.94	S.U.	±0.15 s.u.		- 1		Geotech	2GF113	Jun-24
pH 10.00b	9.99	5.U.	±0.15 s.u.				Geotech	3GA1134	Jan-25
SC 1000	1010	µS/cm	±5%	-		1	Ricca	4209A12	Aug 24
Approx. every 4 hr	s unless only of		The Carry		47. 16. 1 miles				
CCV (Continue		_			Time:	1400	: *		
Buffer	Check Value	Units	Range	Pass (Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Éxp.
рн 4.00а	Check value	1	±0.1 s.u.	1.00 M. ari	1	- Halasten IregioniB	MSI	023067-01	3/14/2025
рн 4.00a рн 7.00a	7.01	S.U.	±0.1 s.u.	1	10	1	MSI	023051-02	2/21/2025
	1	S.U.	±0.1 s.u.	-	1	1	MSI	022361-01	12/27/2025
pH 10.00a SC 1000	1820	μS/cm	±5%	1		1	Ricca	4209A12	Aug-24
DO (Zero pt)	117 = 0	mg/L	±0.1 mg/L			1	Macron	#000228049	8/26/2025
Turbidity (DI)	0.02	NTU	<2 NTU		-	-	Pace Labs	N/A (Dt)	N/A (DI)
Approx. every 4 ha	rei implace palit pe		(A) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1.000 2000	1477 (04)	14) 17 (121)
CCV (Continue			ntionle		Time:		1		
		-		Transcripts of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The Parks To Table	Barrier will a re-	F. F. Dat At	1 1 1 1 1
	Check Value	Units		Pass/Fail	Calibrate?	Adjusted Reading		11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	023067-01	3/14/2025
7.00a		s.u.	±0.1 s.u.				MSF	023051-02	2/21/2025
10.00a		s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC 1000		µS/cm	±5%				Ricca	4209A12	Aug-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	
Turbidity (DI)		NTU	<2 NTU	-			Pace Labs	N/A (DI)	N/A (DI)
Comments: Signature:		read	RR	1	Date	11/	3/2	3	

APPENDIX B STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES

Notes %ND = Percent non-detected samples sd = standard deviation k = kappa for site-wide false positive rate (SWFPR) SWFPR = 0.1



When data are not normally distributed or %ND > 50, the maximum value is used if the background sample size is < 60. Where the background sample size is \geq 60, the achievable per-constituent false positive rates for the maximum and second-highest background values will be compared, and the background value with the achievable per-constituent false positive rate that is closest to, but does not exceed, the target per-constituent false positive rate of 0.015% is used.



APPENDIX C ALTERNATIVE SOURCE DEMONSTRATIONS

Intended for

Illinois Power Resources Generating, LLC

Date

April 4, 2023

40 C.F.R. § 257.94(E)(2): ALTERNATE SOURCE DEMONSTRATION

DUCK CREEK POWER PLANT
GYPSUM MANAGEMENT FACILITY POND
CCR UNIT 203



CERTIFICATIONS

I, Brian G. Hennings, a professional geologist in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Brian G. Hennings

Professional Geologist

196.001482

Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: April 4, 2023



I, Anne Frances Ackerman, a qualified professional engineer in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Anne Frances Ackerman

Qualified Professional Engineer

062-060586

Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: April 4, 2023



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FIGURES (IN TEXT)

- Figure A Piper Diagram Showing Ionic Composition of Samples of Groundwater and Pond Water Associated with the GMF Pond.
- Figure B Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

FIGURES (ATTACHED)

- Figure 1 GMF Pond Potentiometric Surface Map July 18, 2022
- Figure 2 Coal Mine Coverage Area
- Figure 3 Landfill and Gypsum Management Facilities Potentiometric Surface Map July 18, 2022

ACRONYMS AND ABBREVIATIONS

35 I.A.C. Title 35 of the Illinois Administrative Code 40 C.F.R. Title 40 of the Code of Federal Regulations

ASD Alternate Source Demonstration

bgs below ground surface BTU British Thermal Unit

CCR coal combustion residuals
CCR Rule 40 C.F.R. § 257 Subpart D
cm/s centimeters per second

D11 Detection Monitoring Round 11

DCPP Duck Creek Power Plant
GMF Gypsum Management Facility
HDPE high-density polyethylene

IEPA Illinois Environmental Protection Agency

ISGS Illinois State Geological Survey

LOE line(s) of evidence

NAVD88 North American Vertical Datum of 1988

NRT/OBG Natural Resource Technology, an OBG Company

oz/yd² ounce per square yard

Ramboll Ramboll Americas Engineering Solutions, Inc.

SSI Statistically Significant Increase

TDS total dissolved solids

USGS United States Geological Survey

1. INTRODUCTION

Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.94(e)(2) allows the owner or operator of a coal combustion residuals (CCR) unit 90 days from the date of determination of Statistically Significant Increases (SSI) over background for groundwater constituents listed in Appendix III of 40 C.F.R. § 257 to complete a written demonstration that a source other than the CCR unit being monitored caused the SSI(s), or that the SSI(s) resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (Alternate Source Demonstration [ASD]).

This ASD has been prepared on behalf of Illinois Power Resources Generating, LLC by Ramboll Americas Engineering Solutions, Inc. (Ramboll) to provide pertinent information pursuant to 40 C.F.R. § 257.94(e)(2) for the Duck Creek Power Plant (DCPP) Gypsum Management Facility (GMF) Pond located near Canton, Illinois.

The eleventh semiannual detection monitoring samples (Detection Monitoring Round 11 [D11]) were collected from July 19 through July 21, 2022, and analytical data were received on October 6, 2022. In accordance with 40 C.F.R. § 257.93(h)(2), statistical analysis of the data to identify SSIs of 40 C.F.R. § 257 Subpart D (CCR Rule) Appendix III parameters over background concentrations was completed by January 4, 2023, within 90 days of receipt of the analytical data. The statistical determination identified the following SSIs at compliance monitoring wells:

- Calcium at wells G54S, G57S, and G60S
- Total dissolved solids (TDS) at wells G54S, G57S, and G60S

Pursuant to 40 C.F.R. § 257.94(e)(2), the following lines of evidence (LOE) demonstrate that sources other than the GMF Pond were the cause of the SSIs listed above. This ASD was completed by April 4, 2023, within 90 days of determination of the SSIs (January 4, 2023), as required by 40 C.F.R. § 257.94(e)(2).

2. BACKGROUND

2.1 Site Location and Description

The DCPP is located in Fulton County, in central Illinois, approximately 9 miles southeast of the town of Canton. Duck Creek Cooling Pond is located east of the plant and the GMF Pond with agricultural land surrounding the entire property.

2.2 Geology and Hydrogeology

The DCPP geologic and hydrogeologic setting summarized below is obtained from published sources, hydrogeologic investigation data, and boring data collected during site investigations conducted from 2005 to 2021 (Natural Resource Technology, an OBG Company [NRT/OBG], 2017; Ramboll, 2021).

Regionally, the DCPP is positioned on the glacial uplands above the Illinois River in the Ancient Illinois Floodplain of the Till Plains Section of the Central Lowland Province. The undisturbed unlithified materials consist of loess, diamictons, and lacustrine/alluvial deposits. The area is flat to gently rolling uplands that are dissected by deeply incised streams that are tributaries to major river systems.

Several large former surface coal mines are present in the vicinity. Strip mining in the region since the 1930s disrupted the natural stratigraphy down to the Springfield (No. 5) Coal unit. The strip mining activity produced rough topography from soil piles and depressions, often ponded with water. Unlithified materials are present in the excavated strip mine spoils and have been mixed due to the surface mining activities. Mining operations in the area have ceased.

The uppermost bedrock stratum in the area is the Carbondale Formation of the Kewanee Group of the Pennsylvanian System. The Carbondale Formation consists primarily of shaley siltstone and silty shale and includes the Springfield (No. 5) Coal and other coal units. Bedrock occurs within approximately 50 feet of the ground surface in this area.

Quaternary deposits in the Canton area consist mainly of loess, diamictons, and lacustrine/alluvial deposits that were deposited during Illinoian and Wisconsinan glaciations. Four hydrostratigraphic units have been identified at the DCPP based on stratigraphic relationships and common hydrogeologic characteristics, and are summarized as follows (beginning at the ground surface):

- CCR This unit is composed of gypsum CCR, present within the GMF Pond at a thickness ranging from less than 1 to 22 feet. The thickest areas of gypsum are to the north and west within the GMF Pond and thin toward the south end of the GMF Pond.
- Uppermost Aquifer At the GMF Pond this unit includes the Peoria/Roxanna Loess, the upper Radnor Till, and shallow sands. These units are hydraulically connected and underlain by a thick till sequence of the Radnor Till. The shallow sands are laterally extensive across the site, vary in thickness from less than 1 to 18 feet, and are generally located at an elevation of 570 to 590 feet North American Vertical Datum of 1988 (NAVD88). The shallow sand is saturated. During construction of the GMF Pond, sand was completely removed everywhere it was encountered (mainly the northeast corner and southwest corner of the pond), putting the base of liner in contact with clay of the lower Radnor Till. Sand outside the GMF Pond footprint remains in place.

- Lower Radnor Till/Lower Confining Unit Underlying the Uppermost Aquifer, the lower Radnor Till is approximately 42 to 58 feet thick. Previous hydrogeologic studies indicate discontinuous sand lenses observed within the till are not hydraulically connected to the Uppermost Aquifer.
- Bedrock Confining Unit The bedrock encountered across the site consists of low permeability shaley siltstone, silty shale, and coal beds of the Carbondale Formation, and is estimated to have a thickness of approximately 300 to 400 feet.

Groundwater elevations (referenced to NAVD88) in the Uppermost Aquifer near the GMF Pond are shown on Figure 1. Groundwater elevations were measured on January 25, 2022, prior to a combined sampling event at the DCPP for the three CCR units located there and for multiple monitoring programs required by both federal and state regulatory agencies. Groundwater elevations beneath the GMF Pond ranged from 613 to 586 feet NAVD88.

2.3 Groundwater, GMF Pond and Porewater Monitoring

The CCR Rule groundwater monitoring system for the GMF Pond is shown on Figure 1. Monitoring wells G02S, G50S, and G51S are used to monitor background groundwater quality for the GMF Pond. These wells are located north (G02S), northwest (G50S), and west (G51S) of the GMF Pond. The compliance monitoring wells are G54S, G57S, G60S, and G64S.

GMF Pond source water samples are collected from the GMF Pond at location X301, a riser pipe from the ring drain beneath the pond that samples leachate. The most recent pond water sample was collected from X301 on July 20, 2022. Location XTPW02 is a temporary monitoring well installed in the gypsum within the pond for collection of porewater (Figure 1). XTPW02 was last sampled in June of 2021.

3. ALTERNATE SOURCE DEMONSTRATION: LINES OF EVIDENCE

As allowed by 40 C.F.R. § 257.94(e)(2), this ASD demonstrates that sources other than the GMF Pond (the CCR unit) caused the SSIs. LOE supporting this ASD include the following:

- 1. The ionic composition of potential GMF Pond source water is different from the ionic composition of groundwater.
- 2. Proximity of the GMF Pond to historical mining activity and related groundwater quality impacts.
- 3. The GMF Pond has a double geomembrane liner designed to prevent CCR contact with groundwater.
- 4. Boron concentrations in compliance groundwater monitoring wells do not exceed background limits

These LOE are described and supported in greater detail below.

3.1 LOE #1: The Ionic Composition of Potential GMF Pond Source Water is Different from the Ionic Composition of Groundwater

Piper diagrams graphically represent ionic composition of aqueous solutions. A Piper diagram displays the position of water samples relative to their major cation and anion content on the two lower triangular portions of the diagram, providing the information which, when combined on the central, diamond-shaped portion of the diagram, identifies the compositional categories or groupings (hydrochemical facies). Figure A on the following page is a Piper diagram that displays the ionic composition of groundwater samples from the background and compliance wells associated with the GMF Pond and two potential source waters: leachate and porewater. Leachate samples were collected from the ring drain (X301) underlying the GMF Pond during the D11 sampling event. A porewater sample collected in June of 2021 from a temporary monitoring well installed in the gypsum within the pond (XTPW02) is also provided.

It is evident from the Piper diagram that the background (brown symbols) and compliance (blue symbols) wells are in the calcium-bicarbonate hydrochemical facies, and the potential source waters (light and medium green symbols for leachate and porewater, respectively) are in the calcium-sulfate hydrochemical facies. The similarity between the background and compliance wells demonstrates strong similarity between the groundwater composition upgradient and downgradient of the GMF Pond. Additionally, the ionic compositions of the GMF Pond background and compliance groundwater and the potential GMF Pond source water are dissimilar. Together, the similarity of background and compliance groundwater composition and the distinct potential GMF Pond source water composition indicate that the GMF Pond is not the source of CCR constituents detected in GMF Pond groundwater.

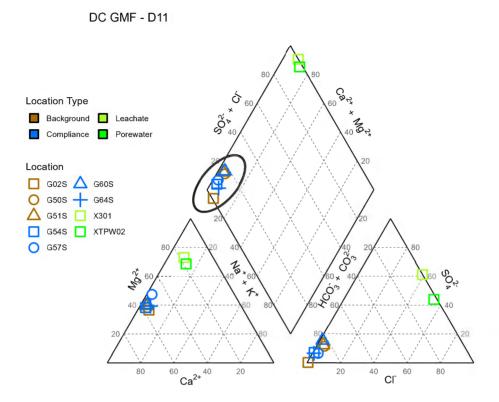


Figure A. Piper Diagram Showing Ionic Composition of Samples of Groundwater and Pond Water Associated with the GMF Pond (brown = background wells, blue = compliance wells, green = potential source water).

3.2 LOE #2: Proximity of the GMF Pond to Historical Mining Activity and Related Groundwater Quality Impacts

The area surrounding the GMF Pond consists primarily of unmined coal and reclaimed surface mine land. The extent of nearby surface mines is shown in the attached Figure 2. The coal in this area has a sulfur content greater than 2.5 pounds of sulfur per million British Thermal Units (BTU), the highest sulfur classification used by Illinois State Geological Survey (ISGS, 1997).

The coal in the area varies in depth from 0 to 50 feet below ground surface (bgs). The CCR Rule groundwater monitoring wells for the GMF Pond are screened between 23 and 48 feet bgs. The compliance monitoring wells are located approximately 2,000 to 4,000 feet south-southeast (downgradient) of the nearby surface mines (Figure 2). Potentiometric data indicate that groundwater generally flows to the east and south towards the GMF Pond and current and former portions of the Cooling Pond as shown on the attached Figure 3.

A study of groundwater quality near surface coal mines, performed by the United States Geological Survey (USGS, 2006), provides data on the effects of mines on groundwater quality. The study evaluated regional differences in major ionic composition of groundwater in unmined and mined areas using Piper diagrams (Figure B on the following page). Groundwater samples collected from wells downgradient of the reclaimed mine areas in the study ranged from primarily calciummagnesium carbonate-bicarbonate type (calcium-bicarbonate hydrochemical facies) to a lesser

amount of calcium-magnesium sulfate type (calcium sulfate hydrochemical facies). The calcium-bicarbonate groundwater documented in the vicinity of reclaimed surface coal mines is similar to the ionic composition of groundwater samples collected from both background and compliance groundwater monitoring wells at the GMF Pond.

State of Illinois groundwater quality regulations (Title 35 of the Illinois Administrative Code [35 I.A.C.] § 620 - Groundwater Quality) acknowledge that water quality is adversely affected in areas where coal mining activity has occurred. The groundwater quality standards for TDS, chloride, iron, manganese, sulfate, and pH within previously mined areas are the existing concentrations of these constituents in groundwater (35 I.A.C. § 620.440).

The proximity of the GMF Pond to historic coal mining activity, hydrological connection between former mining areas and monitored GMF Pond groundwater, and similarities in the ionic composition of groundwater in areas of reclaimed surface coal mines and in the GMF Pond groundwater samples indicates historic mining activity as an alternate source driving the SSIs at the GMF Pond.

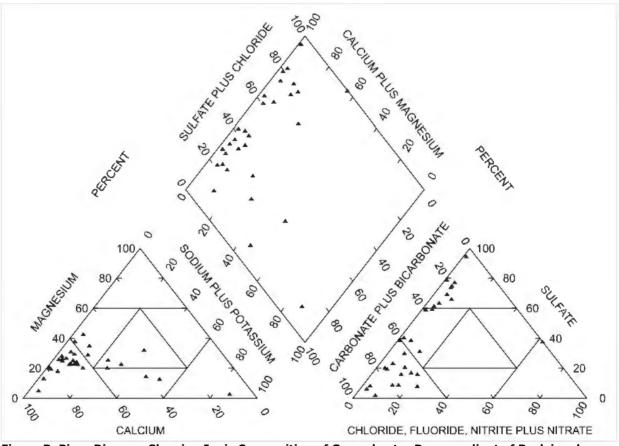


Figure B. Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

3.3 LOE #3: The GMF Pond Has a Double Geomembrane Liner Designed to Prevent CCR Contact with Groundwater

Construction of the GMF Pond was in accordance with Water Pollution Control Permit 2017-EO-62336 granted by the Illinois Environmental Protection Agency (IEPA). The GMF Pond liner system includes the following components:

- 60-mil high-density polyethylene (HDPE) geomembrane liner
- Minimum 12-inch soil cushion layer (up to 24 inches thick in select areas on the side slope)
- 4 ounce per square yard (oz/yd²) non-woven geotextile filter fabric
- 12-inch highly permeable granular drainage sand layer
- 10 oz/yd² non-woven geotextile filter fabric
- 60-mil HDPE geomembrane liner
- Geosynthetic clay liner with a manufacturer's published hydraulic conductivity estimate of 5×10^{-9} centimeters per second (cm/s)
- 36-inch compacted clay layer with a maximum hydraulic conductivity of 9x10⁻⁷ cm/s based upon laboratory testing of samples collected from the site

The IEPA-approved GMF Pond double geomembrane liner system far exceeds the design criteria for a composite liner for new CCR landfills established by 40 C.F.R. § 257.70(b).

The double geomembrane liner creates a barrier to groundwater flow through the CCR managed in the GMF Pond, suggesting that the GMF Pond is not the source of the SSIs.

3.4 LOE #4: Boron Concentrations in Compliance Groundwater Monitoring Wells Do Not Exceed Background Limits

Boron is a potential indicator of CCR impacts to groundwater due to its leachability from CCR and mobility in groundwater. If boron concentrations are present above background concentrations in CCR porewater or leachate, then groundwater impacted by CCR would be expected to contain boron concentrations elevated above the UPL. The UPL is an upper bound on background concentrations calculated for comparing compliance well results to background. Porewater and leachate within the GMF Pond are greater than the UPL of 0.059 mg/L. Boron concentrations detected in compliance monitoring wells with SSIs G54S, G57S, and G60S during D11 were 0.035 mg/L, 0.026 mg/L, and 0.021 mg/L, respectively. Compliance wells having concentrations of boron at or below the UPL indicates that these wells have not been affected by CCR. Therefore, the GMF Pond is not the source of the SSIs.

4. CONCLUSIONS

Based on the four LOEs below, it has been demonstrated that the GMF Pond is not the source of SSIs of calcium at G54S, G57S, and G60S; and of TDS at G54S, G57S, and G60S.

- 1. The ionic composition of potential GMF Pond source water is different from the ionic composition of groundwater.
- 2. Proximity of the GMF Pond to historical mining activity and related groundwater quality impacts.
- 3. The GMF Pond has a double geomembrane liner designed to prevent CCR contact with groundwater.
- 4. Boron concentrations in compliance groundwater monitoring wells do not exceed background limits.

This information serves as the written ASD prepared in accordance with 40 C.F.R. § 257.94(e)(2) that the SSIs observed during the detection monitoring program were not due to the GMF Pond. Therefore, an assessment monitoring program is not required and the GMF Pond will remain in detection monitoring.

5. REFERENCES

Illinois State Geological Survey (ISGS), 1997. *Illinois Coal Reserves Assessment and Database Development: Final Report*. Open File Series 1997-4, Illinois State Geological Survey, Coal Section.

Natural Resource Technology, an OBG Company (NRT/OBG), 2017. *Hydrogeologic Monitoring Plan. Duck Creek GMF Pond – CCR Unit ID 203, Duck Creek Landfill – CCR Unit ID 204. Duck Creek Power Station, Canton, Illinois*. Illinois Power Resources Generating, LLC. October 17, 2017.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Hydrogeologic Site*Characterization Report. Duck Creek Power Plant, Gypsum Management Facility Pond, Canton,

Illinois. Illinois Power Generating Company. October 25, 2021.

United States Environmental Protection Agency, 2020. *Disposal of Coal Combustion Residuals from Electric Utilities*. 40 C.F.R. § 257 Subpart D, published April 17, 2015, updated 2020. Accessed from URL https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-257/subpart-D

United States Geological Survey (USGS), 2006. *Ground-Water Quality in Unmined Areas and Near Reclaimed Surface Coal Mines in the Northern and Central Appalachian Coal Regions, Pennsylvania and West Virginia*. Scientific Investigations Report 2006-5059, US Geological Survey.

FIGURES



₱ BACKGROUND WELL

COMPLIANCE WELL

CCR SOURCE WATER SAMPLE

MONITORING WELL

150

REGULATED UNIT (SUBJECT UNIT)

300

___ Feet

SITE FEATURE

PROPERTY BOUNDARY

GROUNDWATER ELEVATION
CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

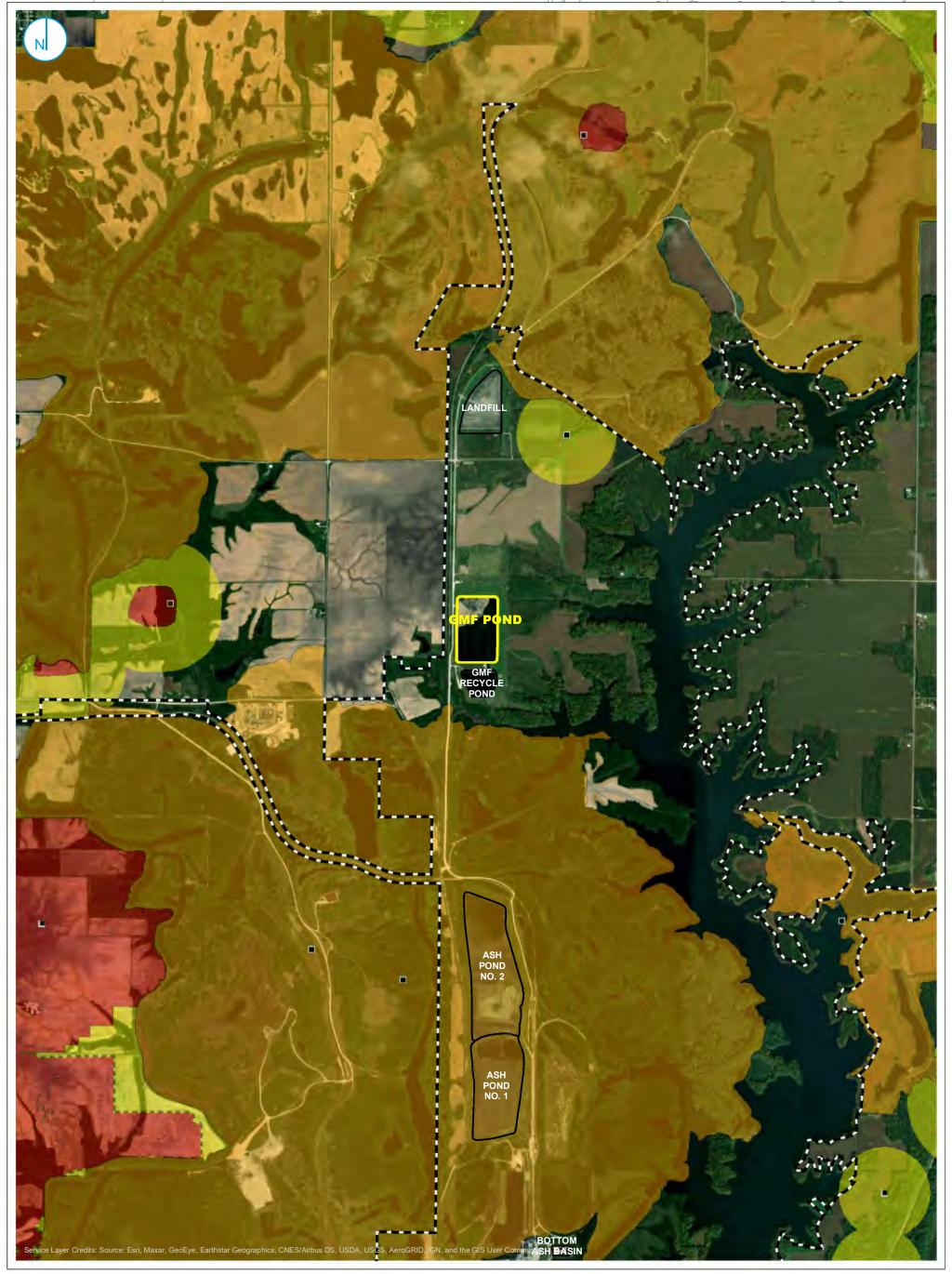
GMF POND POTENTIOMETRIC SURFACE MAP JULY 18, 2022

ALTERNATE SOURCE DEMONSTRATION GMF POND (UNIT ID: 203)

DUCK CREEK POWER PLANT CANTON, ILLINOIS FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





■ COAL MINE SHAFT

SURFACE COAL MINE

UNDERGROUND COAL MINE UNDERGROUND

MINE BUFFER REGION

REGULATED UNIT (GMF POND)

SITE FEATURE

PROPERTY BOUNDARY

1,000 2,000

____ Feet

COAL MINE COVERAGE AREA

ALTERNATE SOURCE DEMONSTRATION
GMF POND (UNIT ID: 203)
DUCK CREEK POWER PLANT
CANTON, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





MONITORING WELL

PROPERTY BOUNDARY

300

REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE

600

__ Feet

GROUNDWATER ELEVATION
CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER

ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

SURFACE WATER (USGS, 2019)

Notes

ELEVATIONS IN PARENTHESES NOT USED FOR CONTOURING

LANDFILL AND GYPSUM MANAGEMENT FACILITIES POTENTIOMETRIC SURFACE MAP JULY 18, 2022

ALTERNATE SOURCE DEMONSTRATION

GMF POND (UNIT ID: 203)

DUCK CREEK POWER PLANT

CANTON, ILLINOIS

FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



Intended for

Illinois Power Resources Generating, LLC

Date

August 14, 2023

Project Number

1940103649-005

40 C.F.R. § 257.94(E)(2): ALTERNATE SOURCE DEMONSTRATION

DUCK CREEK POWER PLANT
GYPSUM MANAGEMENT FACILITY POND
CCR UNIT 203



CERTIFICATIONS

I, Eric J. Tlachac, a qualified professional engineer in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Eric J. Tlachac

Qualified Professional Engineer

062-063091

Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: August 14, 2023



I, Brian G. Hennings, a professional geologist in good standing in the State of Illinois, certify that the information in this report is accurate as of the date of my signature below. The content of this report is not to be used other than for its intended purpose and meaning, or for extrapolations beyond the interpretations contained herein.

Brian G. Hennings
Professional Geologist

196.001482 Illinois

Ramboll Americas Engineering Solutions, Inc.

Date: August 14, 2023



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TABLES (IN TEXT)

Table A Summary of Boron Concentrations in Compliance Wells with D12 SSIs

FIGURES (IN TEXT)

- Figure A Piper Diagram Showing Ionic Composition of Groundwater and Pond Water Samples Associated with the GMF Pond.
- Figure B Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

FIGURES (ATTACHED)

- Figure 1 GMF Pond Potentiometric Surface Map January 9 and 16, 2023
- Figure 2 Coal Mine Coverage Area
- Figure 3 Landfill and Gypsum Management Facilities Potentiometric Surface Map January 9 and 16, 2023

APPENDICES

Appendix A Technical Memorandum: Draft Geochemical Analysis of Duck Greek Groundwater In Support of an Alternate Source Demonstration (ASD)

ACRONYMS AND ABBREVIATIONS

35 I.A.C. Title 35 of the Illinois Administrative Code 40 C.F.R. Title 40 of the Code of Federal Regulations

ASD Alternate Source Demonstration

bgs below ground surface
BTU British Thermal Unit
CCR coal combustion residuals
CCR Rule 40 C.F.R. § 257 Subpart D
cm/s centimeters per second

D12 Detection Monitoring Round 12

DCPP Duck Creek Power Plant
GMF Gypsum Management Facility
HDPE high-density polyethylene

IEPA Illinois Environmental Protection Agency

ISGS Illinois State Geological Survey

LOE(s) line(s) of evidence mg/L milligrams per liter

NAVD88 North American Vertical Datum of 1988

NRT/OBG Natural Resource Technology, an OBG Company

oz/yd² ounce per square yard

PCA Principal component analysis PMP potential migration pathway

Ramboll Americas Engineering Solutions, Inc.

SSI Statistically Significant Increase

TDS total dissolved solids
UA Uppermost Aquifer
UPL Upper Prediction Limit

USGS United States Geological Survey

1. INTRODUCTION

Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.94(e)(2) allows the owner or operator of a coal combustion residuals (CCR) unit 90 days from the date of determination of Statistically Significant Increases (SSI) over background for groundwater constituents listed in Appendix III of 40 C.F.R. § 257 to complete a written demonstration that a source other than the CCR unit being monitored caused the SSI(s), or that the SSI(s) resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality (Alternate Source Demonstration [ASD]).

This ASD has been prepared on behalf of Illinois Power Resources Generating, LLC by Ramboll Americas Engineering Solutions, Inc. (Ramboll) to provide pertinent information pursuant to 40 C.F.R. § 257.94(e)(2) for the Duck Creek Power Plant (DCPP) Gypsum Management Facility (GMF) Pond located near Canton, Illinois.

The twelfth semiannual detection monitoring samples (Detection Monitoring Round 12 [D12]) were collected from January 11 through January 16, 2023, and analytical data were received on February 15, 2023. In accordance with 40 C.F.R. § 257.93(h)(2), statistical analysis of the data to identify SSIs of 40 C.F.R. § 257 Subpart D (CCR Rule) Appendix III parameters over background concentrations was completed by May 16, 2023, within 90 days of receipt of the analytical data. The statistical determination identified the following SSIs at compliance monitoring wells:

- Calcium at wells G54S, G54L, G57S, and G60S
- Chloride at well G54L
- Sulfate at well G60L
- Total dissolved solids (TDS) at wells G54S, G54L, G57S, G60S, G60L, and G64L
- pH at well G60L

In accordance with the Multi-Site Statistical Analysis Plan (Ramboll, 2022), all wells with SSIs were resampled. Following evaluation of analytical data from the resample event, the following SSIs remained:

- Calcium at wells G54S, G54L, G57S, and G60S
- · Chloride at well G54L
- Sulfate at well G60L
- TDS at wells G54S, G54L, G57S, G60S, G60L, and G64L
- pH at well G60L

Pursuant to 40 C.F.R. § 257.94(e)(2), the lines of evidence (LOEs) presented in **Section 3** demonstrate that sources other than the GMF Pond were the cause of the SSIs listed above. This ASD was completed by August 14, 2023, within 90 days of determination of the SSIs (May 16, 2023), as required by 40 C.F.R. § 257.94(e)(2).

2. BACKGROUND

2.1 Site Location and Description

The DCPP is located in Fulton County, in central Illinois, approximately 9 miles southeast of the town of Canton. Duck Creek Cooling Pond is located east of the power plant and the GMF Pond with agricultural land surrounding the entire property.

2.2 Geology and Hydrogeology

The DCPP geologic and hydrogeologic setting summarized below is obtained from published sources, hydrogeologic investigation data, and boring data collected during site investigations conducted from 2005 to 2021 (Natural Resource Technology, an OBG Company [NRT/OBG], 2017; Ramboll, 2021).

Regionally, the DCPP is positioned on the glacial uplands above the Illinois River in the Ancient Illinois Floodplain of the Till Plains Section of the Central Lowland Province. The undisturbed unlithified materials consist of loess, diamictons, and lacustrine/alluvial deposits. The area is flat to gently rolling uplands that are dissected by deeply incised streams that are tributaries to major river systems.

Several large former surface coal mines are present in the vicinity. Strip mining in the region since the 1930s disrupted the natural stratigraphy down to the Springfield (No. 5) Coal unit. The strip mining activity produced rough topography from soil piles and depressions, often ponded with water. Unlithified materials are present in the excavated strip mine spoils and have been mixed due to the surface mining activities. Mining operations in the area have ceased.

The uppermost bedrock stratum in the area is the Carbondale Formation of the Kewanee Group of the Pennsylvanian System. The Carbondale Formation consists primarily of shaley siltstone and silty shale and includes the Springfield (No. 5) Coal and other coal units. Bedrock occurs within approximately 50 feet of the ground surface in this area.

Quaternary deposits in the Canton area consist mainly of loess, diamictons, and lacustrine/alluvial deposits that were deposited during Illinoian and Wisconsinan glaciations. Four hydrostratigraphic units have been identified at the DCPP based on stratigraphic relationships and common hydrogeologic characteristics, and are summarized as follows (beginning at the ground surface):

- CCR This unit is composed of gypsum CCR, present within the GMF Pond at a thickness ranging from less than 1 to 22 feet. The thickest areas of gypsum are to the north and west within the GMF Pond and thin toward the south end of the GMF Pond.
- Uppermost Aquifer (UA) At the GMF Pond, this unit includes the Peoria/Roxanna Loess, the upper Radnor Till, and shallow sands. These units are hydraulically connected and underlain by a thick till sequence of the Radnor Till. The shallow sand zone is the primary migration pathway within these hydraulically connected formations. The shallow sands are laterally extensive across the site, vary in thickness from less than 1 to 18 feet, and are generally located at an elevation of 570 to 590 feet North American Vertical Datum of 1988 (NAVD88). The shallow sand is saturated. During construction of the GMF Pond, sand was completely removed everywhere it was encountered (mainly the northeast corner and southwest corner

of the pond), putting the base of the liner in contact with clay of the lower Radnor Till. Sand outside the GMF Pond footprint remains in place.

- The Peoria/Roxanna Loess within the UA has been identified as a potential migration pathway (PMP). While the primary migration pathway (i.e., the UA) is the shallow sand of the UA, impacts have the potential to migrate within groundwater in the overlying Peoria/Roxanna Loess. The PMP is saturated at depths of 3.5 to 11 feet below ground surface (bgs). While the PMP and UA are hydraulically connected, groundwater flow in the PMP is expected to be primarily vertical, with the majority of the horizontal migration expected to occur within the UA.
- Lower Radnor Till/Lower Confining Unit Underlying the UA, the lower Radnor Till is approximately 42 to 58 feet thick. Previous hydrogeologic studies indicate discontinuous sand lenses observed within the till are not hydraulically connected to the UA.
- Bedrock Confining Unit The bedrock encountered across the site consists of low permeability shaley siltstone, silty shale, and coal beds of the Carbondale Formation, and is estimated to have a thickness of approximately 300 to 400 feet.

Groundwater elevations (referenced to NAVD88) in the UA near the GMF Pond are shown on **Figure 1**. Groundwater elevations were measured on January 9, 2023, prior to a combined sampling event at the DCPP for the three CCR units located there and for multiple monitoring programs required by both federal and state regulatory agencies. Groundwater elevations at the GMF Pond ranged from 611.72 to 595.06 feet NAVD88.

2.3 GMF Pond Groundwater and Porewater Monitoring

The CCR Rule groundwater monitoring system for the GMF Pond is shown on Figure 1. Monitoring wells G02S, G50S, and G51S are used to monitor background groundwater quality for the GMF Pond. These wells are located north (G02S), northwest (G50S), and west (G51S) of the GMF Pond. The compliance monitoring wells screened in the UA are G54S, G57S, G60S, and G64S. The compliance monitoring wells screened in the PMP are G54L, G60L, and G64L.

GMF Pond source water samples are collected from the GMF Pond at location X301, a riser pipe from the ring drain beneath the pond that collects leachate and pond surface water. The most recent pond water sample was collected from X301 on January 16, 2023. Location XTPW02 is a temporary monitoring well installed in the gypsum within the pond for collection of porewater (Figure 1). XTPW02 was last sampled in June of 2021.

3. ALTERNATE SOURCE DEMONSTRATION: LINES OF EVIDENCE

As allowed by 40 C.F.R. § 257.94(e)(2), this ASD demonstrates that sources other than the GMF Pond (the CCR unit) caused the SSIs. LOEs supporting this ASD include the following:

- 1. The GMF Pond has a double geomembrane liner designed to prevent CCR contact with groundwater.
- 2. Boron concentrations in compliance groundwater monitoring wells do not exceed background limits.
- 3. The major ion composition of GMF groundwater is similar to background and distinct from GMF Pond leachate/porewater.
- 4. Proximity of the GMF Pond to historical mining activity and related groundwater quality impacts.
- 5. Geochemical analysis and empirical observations at and near G60L suggest that a localized pocket of native peat is the source of SSIs at G60L.

These LOEs are described and supported in greater detail below. LOEs 1, 2, and 3 address SSIs at all wells. LOE 4 addresses the calcium, chloride, and TDS SSIs at wells G54S, G57S, G60S, G54L, and G64L. LOE 5 addresses the sulfate, pH, and TDS exceedances at G60L.

3.1 LOE #1: The GMF Pond Has a Double Geomembrane Liner Designed to Prevent CCR Contact with Groundwater

Construction of the GMF Pond was in accordance with Water Pollution Control Permit 2017-EO-62336 granted by the Illinois Environmental Protection Agency (IEPA). The GMF Pond liner system includes the following components:

- 60-mil high-density polyethylene (HDPE) geomembrane liner
- Minimum 12-inch soil cushion layer (up to 24 inches thick in select areas on the side slope)
- 4 ounce per square yard (oz/yd²) non-woven geotextile filter fabric
- 12-inch highly permeable granular drainage sand layer
- 10 oz/yd² non-woven geotextile filter fabric
- 60-mil HDPE geomembrane liner
- Geosynthetic clay liner with a manufacturer's published hydraulic conductivity estimate of 5×10^{-9} centimeters per second (cm/s)
- 36-inch compacted clay layer with a maximum hydraulic conductivity of $9x10^{-7}$ cm/s based upon laboratory testing of samples collected from the site

The IEPA-approved GMF Pond double geomembrane liner system far exceeds the design criteria for a composite liner for new CCR landfills established by 40 C.F.R. § 257.70(b).

The double geomembrane liner creates a barrier to groundwater flow through the CCR managed in the GMF Pond, suggesting that the GMF Pond is not the source of the SSIs.

3.2 LOE #2: Boron Concentrations in Compliance Groundwater Monitoring Wells Do Not Exceed Background Limits

Boron is a potential indicator of CCR impacts to groundwater due to its leachability from CCR, low occurrence as an anthropogenic contaminant, and mobility in groundwater (EPRI, 2012). If boron concentrations are present above background groundwater concentrations in CCR porewater or leachate, then groundwater impacted by CCR would be expected to contain boron concentrations elevated above the background Upper Prediction Limit (UPL). The UPL is an upper bound on background concentrations calculated for comparing compliance well results to background. Porewater and leachate from the GMF Pond have boron concentrations greater than the UPL of 0.059 milligrams per liter (mg/L). Boron concentrations detected in compliance monitoring wells with SSIs are summarized in **Table A** below. All compliance wells with SSIs had concentrations of boron at or below the UPL, indicating that these wells have not been affected by CCR. Therefore, the GMF Pond is not the source of the SSIs.

Table A. Summary of Boron Concentrations in Compliance Wells with D12 SSIs.

	G54S	G54L	G57S	G60L	G60S	G64L
Boron (mg/L) (UPL=0.059 mg/L)	0.031	0.012	0.009	0.028	0.021	0.014

3.3 LOE #3: The Major Ion Composition of GMF Pond Groundwater is Similar to Background And Distinct From GMF Pond Leachate/Porewater

Piper diagrams graphically represent the major ion composition of aqueous solutions. A Piper diagram displays the position of water samples relative to their major cation and anion content on the two lower triangular portions of the diagram, providing the information which, when combined on the central, diamond-shaped portion of the diagram, identifies the compositional categories or groupings (hydrochemical facies). **Figure A** on the following page is a Piper diagram that displays the ionic composition of groundwater samples from the background and compliance wells associated with the GMF Pond, as well as leachate and porewater. Leachate samples were collected from the ring drain (X301) underlying the GMF Pond during the D12 sampling event. A porewater sample collected in June of 2021 from a temporary monitoring well installed in the gypsum within the pond (XTPW02) is also provided. Wells with calcium, chloride, and/or TDS SSIs at wells G54S, G57S, G60S, G54L, and G64L are circled in red. The major ion composition of G60L is discussed in **Appendix A**.

It is evident from the Piper diagram that the background (brown symbols) and compliance (blue symbols) wells are in the calcium-bicarbonate hydrochemical facies, and the potential source waters (light and medium green symbols for leachate and porewater, respectively) are in the calcium-sulfate hydrochemical facies. The ionic composition of the background and compliance wells demonstrate strong similarity. Additionally, the ionic compositions of the GMF Pond background and compliance groundwater and the GMF Pond leachate/porewater are dissimilar. Together, the similarity of background and compliance groundwater ionic composition and the differences between groundwater and leachate/porewater indicate that the GMF Pond is not the source of CCR constituents detected in GMF Pond groundwater.

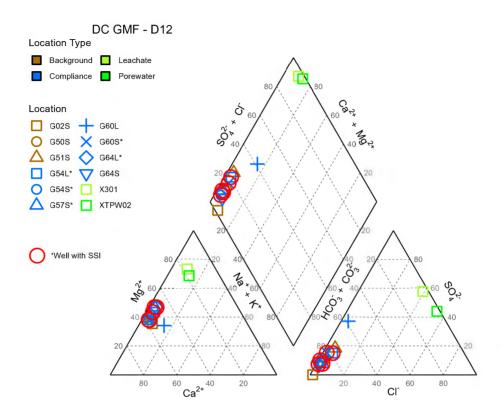


Figure A. Piper Diagram Showing Ionic Composition of Groundwater and Pond Water Samples Associated with the GMF Pond (brown = background wells, blue = compliance wells, green = leachate/porewater). Wells with calcium, chloride, and/or TDS exceedances at wells G54S, G57S, G60S, G54L, and G64L are circled in red.

3.4 LOE #4: Proximity of the GMF Pond to Historical Mining Activity and Related Groundwater Quality Impacts

The area surrounding the GMF Pond consists primarily of unmined coal and reclaimed surface mine land. The extent of nearby surface mines is shown in the attached **Figure 2**. The coal in this area has a sulfur content greater than 2.5 pounds of sulfur per million British Thermal Units (BTU), the highest sulfur classification used by Illinois State Geological Survey (ISGS, 1997).

The coal in the area varies in depth from 0 to 50 feet bgs. The CCR Rule groundwater monitoring wells for the GMF Pond are screened between 23 and 48 feet bgs. The compliance monitoring wells are located approximately 2,000 to 4,000 feet south-southeast (downgradient) of the nearby surface mines (**Figure 2**). Potentiometric data indicate that groundwater generally flows to the east and south towards the GMF Pond and current and former portions of the Cooling Pond located east of the GMF Pond, as shown on the attached **Figure 3**.

A study of groundwater quality near surface coal mines, performed by the United States Geological Survey (USGS, 2006), provides data on the effects of mines on groundwater quality. The study evaluated regional differences in major ionic composition of groundwater in unmined and mined areas using Piper diagrams (**Figure B** on the following page). Groundwater samples collected from wells downgradient of the reclaimed mine areas in the study ranged from primarily calcium-

magnesium carbonate-bicarbonate type (calcium-bicarbonate hydrochemical facies) to a lesser amount of calcium-magnesium sulfate type (calcium sulfate hydrochemical facies). The calcium-bicarbonate groundwater documented in the vicinity of reclaimed surface coal mines is similar to the ionic composition of groundwater samples collected from both background and compliance groundwater monitoring wells at the GMF Pond (see **Figure A** in LOE #3).

State of Illinois groundwater quality regulations (Title 35 of the Illinois Administrative Code [35 I.A.C.] § 620 - Groundwater Quality) acknowledge that water quality is adversely affected in areas where coal mining activity has occurred. The groundwater quality standards for TDS, chloride, iron, manganese, sulfate, and pH within previously mined areas are the existing concentrations of these constituents in groundwater (35 I.A.C. § 620.440c).

The proximity of the GMF Pond to historic coal mining activity and similarities in the ionic composition of groundwater in areas of reclaimed surface coal mines and in the GMF Pond groundwater samples indicates historic mining activity as an alternate source driving the SSIs at the GMF Pond.

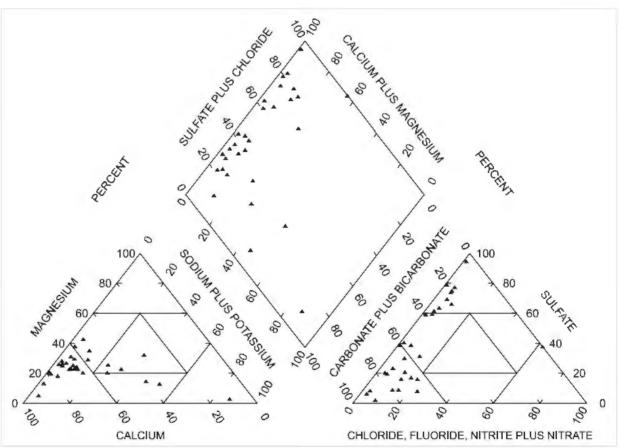


Figure B. Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

3.5 LOE #5: Geochemical analysis and empirical observations at and near G60L suggest that a localized pocket of native peat is the source of SSIs at G60L

Multivariate statistical analysis of the groundwater and GMF Pond leachate/porewater data, review of ionic composition of both, and literature review were performed by Life Cycle Geo, LLC to support the conclusion that the pH, sulfate, and TDS exceedances at G60L are due to the influence of a localized, native peat deposit located upgradient of the well. Details of the analysis are included as **Attachment A**. The following conclusions were made based on the results of the evaluation:

- Principal component analysis (PCA) shows that the groundwater signature at G60L is similar to background and compliance well groundwater signatures and distinct from the leachate signature.
- The major ion composition of groundwater at G60L is inconsistent with influence from leachate due to a low proportion of chloride, an indicator of CCR impacts in groundwater and is similar to the major ion composition of nearby wells.
- A localized native peat deposit located upgradient of G60L is the likely source of the pH, sulfate, and TDS exceedances based on literature review of peat influence on groundwater conditions, evaluation of other wells downgradient of the peat deposit, and the absence of CCR indicators boron and chloride.

4. CONCLUSIONS

Based on the five LOEs below, it has been demonstrated that the GMF Pond is not the source of SSIs of calcium at G54S, G54L, G57S, and G60S; chloride at G54L; sulfate at G60L; TDS at G54S, G54L, G57S, G60S, G60L, and G64L; and pH at G60L.

- 1. The GMF Pond has a double geomembrane liner designed to prevent CCR contact with groundwater.
- 2. Boron concentrations in compliance groundwater monitoring wells do not exceed background limits.
- 3. The major ion composition of GMF groundwater is similar to background and distinct from GMF Pond leachate/porewater.
- 4. Proximity of the GMF Pond to historical mining activity and related groundwater quality impacts.
- 5. Geochemical analysis and empirical observations at and near G60L suggest that a localized pocket of native peat is the source of SSIs at G60L.

This information serves as the written ASD prepared in accordance with 40 C.F.R. § 257.94(e)(2) that the SSIs observed during the detection monitoring program were not due to the GMF Pond. Therefore, an assessment monitoring program is not required and the GMF Pond will remain in detection monitoring.

5. REFERENCES

Code of Federal Regulations, Title 40, Chapter I, Subchapter I, Part 257, Subpart D, Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, effective April 17, 2015. Accessed from URL https://www.ecfr.gov/current/title-40/chapter-I/subchapter-I/part-257/subpart-D#page-top

Electric Power Research Institute [EPRI], (2012). Groundwater Quality Signatures for Assessing Potential Impacts from Coal Combustion Product Leachate, Report 1017923. October 2012.

Illinois State Geological Survey (ISGS), 1997. *Illinois Coal Reserves Assessment and Database Development: Final Report*. Open File Series 1997-4, Illinois State Geological Survey, Coal Section.

Natural Resource Technology, an OBG Company (NRT/OBG), 2017. *Hydrogeologic Monitoring Plan. Duck Creek GMF Pond – CCR Unit ID 203, Duck Creek Landfill – CCR Unit ID 204. Duck Creek Power Station, Canton, Illinois*. Illinois Power Resources Generating, LLC. October 17, 2017.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Hydrogeologic Site Characterization Report. Duck Creek Power Plant, Gypsum Management Facility Pond, Canton, Illinois.* Illinois Power Generating Company. October 25, 2021.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2022. *Multi-Site Statistical Analysis Plan.* December 28, 2022.

United States Geological Survey (USGS), 2006. *Ground-Water Quality in Unmined Areas and Near Reclaimed Surface Coal Mines in the Northern and Central Appalachian Coal Regions, Pennsylvania and West Virginia*. Scientific Investigations Report 2006-5059, US Geological Survey.

FIGURES



FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

COMPLIANCE WELL

BACKGROUND WELL

PORE WATER WELL CCR SOURCE WATER SAMPLE

MONITORING WELL REGULATED UNIT (SUBJECT UNIT)

SITE FEATURE PROPERTY BOUNDARY

NOTES:

NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

SROUNDWATER FLOW DIRECTION

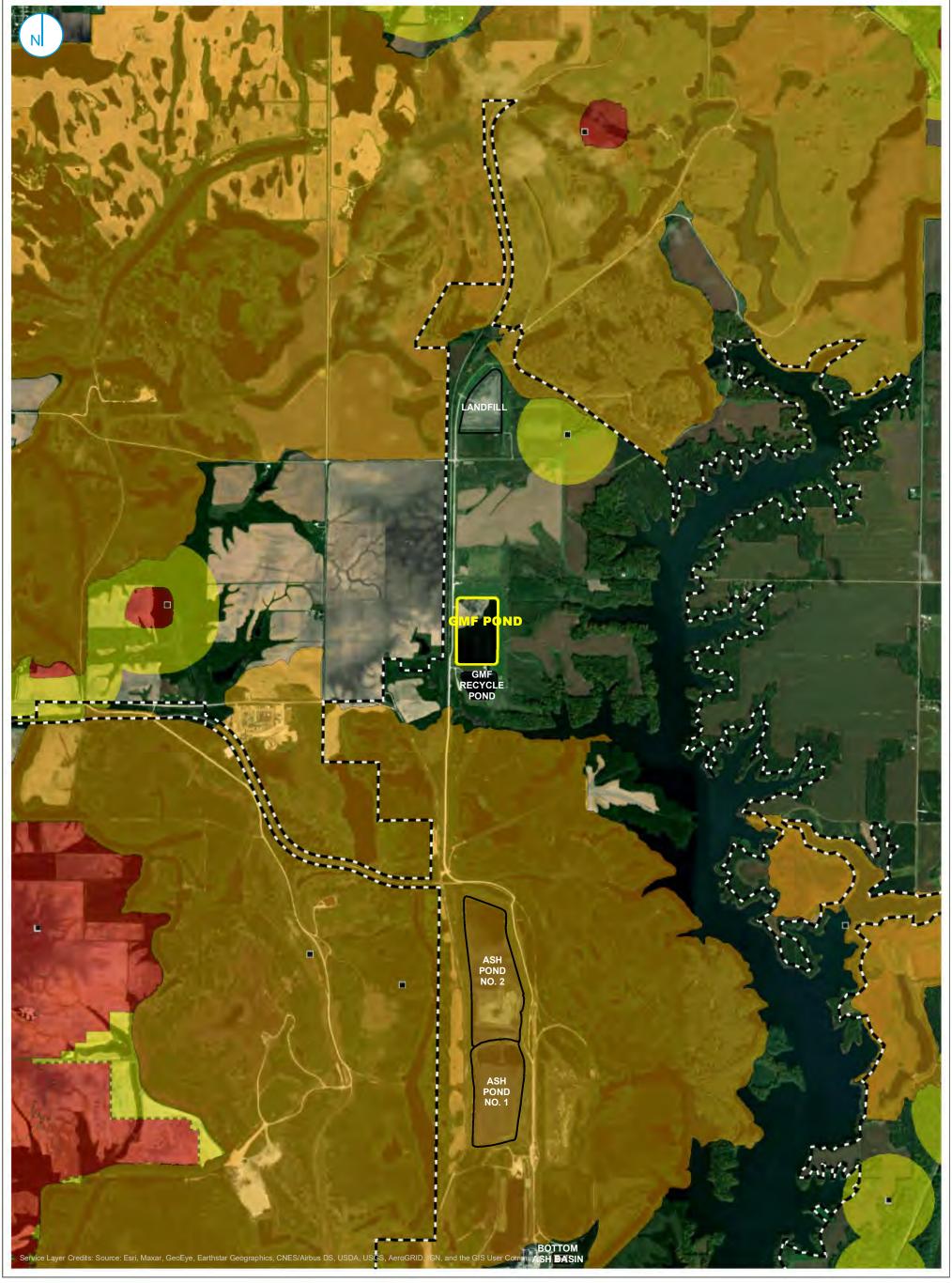
1. PARENTHESES INDICATES WELL NOT USED FOR CONTOURING 2.ELEVATION CONTOURS SHOWN IN FEET. JFeet NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ALTERNATE SOURCE DEMONSTRATION GMF POND (UNIT ID: 203)

POTENTIOMETRIC SURFACE MAP

JANUARY 9 AND 16, 2023

DUCK CREEK POWER PLANT CANTON, ILLINOIS



■ COAL MINE SHAFT

SURFACE COAL MINE

UNDERGROUND COAL MINE UNDERGROUND

MINE BUFFER REGION

REGULATED UNIT (GMF POND)

SITE FEATURE

PROPERTY BOUNDARY

1,000 2,000

____ Feet

COAL MINE COVERAGE AREA

ALTERNATE SOURCE DEMONSTRATION GMF POND (UNIT ID: 203) DUCK CREEK POWER PLANT CANTON, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





MONITORING WELL

REGULATED UNIT (SUBJECT UNIT) SITE FEATURE

GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER

ELEVATION CONTOUR GROUNDWATER FLOW DIRECTION

SURFACE WATER (USGS, 2019)

ELEVATIONS IN PARENTHESES NOT USED FOR CONTOURING

POTENTIOMETRIC SURFACE MAP **JANUARY 9 AND 16, 2023**

ALTERNATE SOURCE DEMONSTRATION GMF POND (UNIT ID: 203) DUCK CREEK POWER PLANT CANTON, ILLINOIS

FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



APPENDIX A
TECHNICAL MEMORANDUM: DRAFT GEOCHEMICAL
ANALYSIS OF DUCK CREEK GROUNDWATER IN SUPPORT
OF AN ALTERNATE SOURCE DEMONSTRATION (ASD)

TECHNICAL MEMORANDUM

DATE August 14, 2023 Reference No. 23RAM01-1

TO Brian G. Hennings - Ramboll

Eric Tlachac - Ramboll

CC Stu Cravens - Vistra

FROM Shannon Zahuranec, Allie Wyman, and EMAIL: shannon@lifecyclegeo.com

Tom Meuzelaar

GEOCHEMICAL ANALYSIS OF DUCK CREEK GMF POND GROUNDWATER IN SUPPORT OF AN ALTERNATE SOURCE DEMONSTRATION (ASD)

1.0 EXECUTIVE SUMMARY

Life Cycle Geo, LLC. (LCG) has completed a review of geochemical conditions at monitoring well G60L in support of an alternate source demonstration (ASD) in preparation by Ramboll Americas Engineering Solutions, Inc. (Ramboll) for Illinois Power Resources Generating, LLC. The G60L monitoring well monitors conditions in the Loess unit (identified as a potential migration pathway to the uppermost aquifer) downgradient of the Duck Creek Power Plant (DC) Gypsum Management Facility Pond (GMF Pond). Pursuant to 40 C.F.R. § 257 Subpart D (CCR Rule), monitoring well G60L exhibits statistically significant increases (SSIs) of parameters relative to background concentrations after the D12 monitoring event completed January 11-16, 2023, including pH, sulfate, and total dissolved solids (TDS). This technical review considered all available groundwater and solid-phase chemical analysis and empirical field observations, and utilized multivariate statistical analysis to conclude the SSIs at G60L groundwater is due to an alternate source and is unrelated to the GMF Pond. Further, information pertaining to flow conditions, lithology, and solid-phase geochemistry are utilized to conclude that the likely source of low pH and elevated sulfate and TDS is a localized pocket of native peat identified in boring logs immediately upgradient of G60L.

2.0 GROUNDWATER CONDITIONS

Monitoring well G60L is located on the eastern side and downgradient of the GMF Pond (Attachment 1). From 2021 through May 2023 (the period of groundwater monitoring at this well for the 35 I.A.C. § 845 monitoring program), pH at G60L is consistently lower than background groundwater pH, and sulfate and TDS are consistently higher (Table 1). The SSIs for the 40 C.F.R. § 257 monitoring program were not determined at this well until the D12 monitoring event because this well was not added to the 40 CFR § 257 monitoring system until December 2022. Sulfate is found to be the major component of the measured TDS at G60L, representing approximately 30% of the total TDS concentration, and is the primary driver of the TDS SSI. As such, this analysis focuses on the source of the pH and sulfate SSIs, with sulfate used as proxy for TDS.

Table 1: Concentration Ranges for Select Constituents in DC GMF Pond Groundwater and Leachate.

	pН	Sulfate (mg/L)	TDS (mg/L)
G60L	5.90-6.42	160-180	510-630
Background	6.42-7.26	ND-56	290-490





3.0 MULTIVARIATE PRINCIPAL COMPONENTS ANALYSIS

3.1 APPROACH

Groundwater chemistry data are by nature multivariate datasets given the high number of parameters observed per sampling location and date. With such a large number of variables, advanced statistical analysis of multivariate groundwater data can provide important insights into spatial and chemical relationships influencing constituent distribution and compliance in groundwater. The multivariate technique Principal Components Analysis (PCA) is used to interrogate the groundwater chemistry around the GMF Pond.

PCA is a multivariate technique that reduces dataset dimensionality to its principal, independent components thereby revealing the inner structure of the dataset. Multivariate techniques such as PCA are valuable because they identify variables that are highly dependent on each other but do not inherently provide insights into water origin, type, or evolution. As an example, calcium, magnesium, and hardness are typically highly correlated in groundwater datasets, but this relationship is known and does not provide additional insight towards the identification of water types and geochemical processes that describe water quality changes. Reducing multivariate data dimensionality reduces redundant information, revealing inner structures in the data that might otherwise be obscured by these dependencies. These structures might include revealing groups of related variables, changing chemical evolution through time, or spatial locations with similar chemical signatures.

PCA results are most easily viewed on biplots, which depict the sample population plotted on two axes, each representing a principal component. The principal components are created from a linear combination of the original variables in the dataset and variance in the data. For natural compositional datasets, the population variance can often be expressed as six or seven principal components (in some cases less and in others, more), each representing decreasing amounts of variance in the data while remaining uncorrelated to previous principal components. Typically, the first few principal components represent significant dataset variance and include a larger number of variables. The principal components are visualized using biplots with the variables expressed as vectors; the location of groups of samples relative to component vectors provides insight into geochemical relationships among groups of variables and samples.

3.2 DATA PREPARATION

In order to perform multivariate analysis, it is first necessary to prepare the dataset. Raw chemical data requires preparation prior to analysis because the data often contains values in two forms unsuitable for advanced analytics: 1) measurements reported below a method detection limit (MDL), referred to as censored data, and 2) missing values. For this work any sample or analyte with a high percentage (≥40%) of missing and/or censored data was assessed for meaningful statistical variance. If variance was determined to be low, the sample or analyte was removed, otherwise data was included in the analysis. Any remaining censored data was converted to half the MDL. Remaining missing values were imputed, a method of assigning an estimated value that accounts for the entire distribution of the material's composition (Sanford et al., 1993) and also takes into consideration the values associated with samples of similar composition. Imputation was done with a nearest neighbor algorithm and resulting values were checked against the overall data distribution for both the analyte and sample to ensure representative results. The resulting



dataset includes both compliance wells and other monitoring wells, incorporates data from multiple lithologic units, and spans sampling events from 2014 through 2023. The dataset contains 15 measured analytes, including the hydrogen ion (H+), which represents acidity in groundwater and is proportional to pH. The final dataset contained 1425 values, 54 of which were imputed. This data represents both the most recent data measured at the GMF Pond as well as the most complete set of regularly measured and detectable analytes.

PCA also requires transformation of the dataset to address the numeric closure problem inherent within chemical compositional datasets (Aitchison, 1986). Numeric closure can often occur in water quality data since water quality concentrations are not completely independent. To address this issue, all data was converted to the same units and the centered-log ratio transformation (CLR; Aitchison 1986; Egozcue et al. 2011) was applied to the prepared dataset. In practice, closure only significantly affects elements present in large concentrations (e.g., major ions in typical water quality samples), but for consistency the entire dataset (i.e., including trace metals) was CLR-transformed.

All data preparation was conducted using python programming language. Only total (i.e., unfiltered) concentrations of major ions and metals were used in this analysis as those data are both relatively complete and consistent across the wells around the GMF Pond and are the parameters of interest for regulatory purposes.

3.3 FINDINGS

A biplot for principal components 1 and 2 (PC1 and PC2) is provided in Attachment 2. PC1 explains approximately 53% of the statistical variance in the entire water quality dataset, and imposes the dominant compositional structure observed in the biplot. PC2 explains approximately 14% of the variability in the dataset.

The compositional vectors on the biplot and their position/spacing reveal the following key insights into groundwater geochemistry at the GMF Pond:

- Groundwater samples plot along a linear trend from the upper left quadrant toward the lower left quadrant, with significant overlap between background, compliance, and monitoring wells. This suggests overall groundwater chemistry at compliance wells and monitoring wells is compositionally similar to background conditions.
- 2) Data from G60L plots between H+, calcium, sodium, and sulfate vectors, indicating in this case the concentrations are relatively high compared with other locations consistent with the pH and sulfate SSIs at this location. Monitoring well G50L also plots between these vectors, suggesting possible compositional end members distinct from the main cluster of background and compliance wells.
- 3) The majority of porewater and leachate samples plot in the upper right quadrant of the biplot, near the boron, fluoride, and molybdenum vectors. These samples plot far from the groundwater samples, indicating the chemistry of the porewater and leachate is distinct from the chemistry of the groundwater. There are three leachate samples that plot away from the main body of leachate data, with one plotting in the lower right quadrant near the magnesium and chloride vectors. These three samples are (1) chemically distinct from the groundwater samples, (2) irregularly spaced in time, and (3) likely represent anomalous conditions unique to the GMF Pond. These samples are discussed further in Section 4.2.





4.0 MAJOR ION DISTRIBUTION

4.1 APPROACH

Piper diagrams are a useful way to classify water samples based on major ion chemistry. The diagrams include separate ternary anion and cation proportion plots and a central diamond plot for classifying combined cation/anion predominance for overall classification. Piper diagrams account for major ion proportionality, but not for actual concentrations nor trace element chemistry, an important contrast and complement to PCA.

The Piper diagram for the GMF Pond is provided in Attachment 3. Given the large number of sampling locations and sampling instances, the data plotted here is limited to background, leachate, and groundwater wells in the immediate vicinity of G60L over the same time period as the samples included in the PCA. This provides the clearest depiction of both the site-wide data and localized geochemistry around G60L and allows for ease of comparison to the PCA. To provide a more robust evaluation of the local geochemistry in the area of the GMF Pond and to increase the density of datapoints at wells near G60L, the groundwater wells immediately adjacent to G60L are presented as a combination of dissolved and total major ions, rather than exclusively total ions. The difference between total and dissolved major ions was determined qualitatively through comparison of values when both total and dissolved were measured. No major differences were observed, therefore when total phase data was not available, dissolved data was used in place.

4.2 FINDINGS

The primary finding from the Piper diagram is that groundwater at G60L exhibits a major ion composition that is distinct from the GMF Pond leachate. The groundwater samples near G60L all have consistent cation proportions with almost equal distributions of calcium and magnesium, consistent with other compliance groundwater wells around the GMF Pond (Ramboll 2023). The leachate samples differ in that they primarily show a more magnesium-dominant signature. Similarly, the anion proportions of groundwater are distinct from leachate, particularly with respect to chloride. The groundwater samples all show low chloride proportion but exhibit a wide range of sulfate proportion. In contrast, the leachate shows a more consistent composition of anions with a substantial proportion of chloride. The chloride-rich signature of the leachate samples provides critical evidence of chemical separation between leachate and G60L groundwater. Chloride is a conservative ion with regard to groundwater transport, such that it does not tend to interact with the solid phase once dissolved into solution. Therefore, groundwater impacted by GMF Pond leachate should contain a chloride proportion similar to the leachate, or at a proportion falling along a mixing line between the groundwater and leachate. Such a mixing signal is not observed, which paired with low chloride proportion in the groundwater (Attachment 5), is strong evidence that the groundwater at G60L is not influenced by the GMF Pond. This is consistent with the PCA results, which showed both the variability in the groundwater composition and the clear distinction between groundwater and leachate.

Notable distinctions on the Piper diagram are leachate samples from Q2 2020, Q2 2022, and Q1 2023, which correspond to the anomalous leachate samples in the PCA. These samples plot between the groundwater data and the main cluster of leachate data in the cation space. These instances are irregularly spaced



through time and do not have a temporal trend in concentration nor overall major ion composition. This suggests changes are not related to seasonal changes at the site but rather indicates a more random control, such as operational influences on concentrations (*e.g.*, variable proportions of porewater and surface water passing into the leachate collection system or inconsistencies in sample collection).

5.0 IDENTIFIED PROBABLE ALTERNATE SOURCE

Empirical field observations revealed a localized peat unit in boring B-55 and monitoring well P-60 (Attachment 4), both located immediately upgradient of G60L (Attachment 1). Peat-rich soils in connection with groundwater are known to produce water chemistries with lower pH and higher sulfate concentrations (Bourbonniere, 2009), such as those consistently observed at G60L (Table 1). The peat unit ranges in elevation from 593.2 to 600.6 feet (ft) mean sea level (msl), approximately the same elevation as the top of the filter pack (594.8 ft msl) and just above the elevation of the screened interval (587.4 to 592.4 ft msl) of G60L. The hydraulic conductivity of the filter pack is higher than the surrounding native material and would intercept flow from groundwater under the influence of the local peat. There is a downward vertical component to the hydraulic gradient in this area (Ramboll, 2021), which is consistent with a flow path from the peat unit downgradient horizontally and vertically towards the well screen of G60L.

Other monitoring wells near the local peat unit also exhibit higher sulfate concentrations than background and are stable over time (Attachment 5), supporting the conclusion that this region is influenced by an alternate source of sulfate, the local native peat, rather than the GMF Pond. This is particularly meaningful when considered contextually with boron and chloride concentrations, conservative tracers of CCR-related influence. Sulfate, chloride (Attachment 5), and boron (Ramboll 2023, LOE #2) are all elevated in the leachate while only sulfate is elevated in the groundwater. The low concentrations of boron and chloride in the groundwater at G60L are a strong indicator that sulfate concentrations originate from an alternate source unrelated to the GMF Pond.

While the local peat is the interpreted source of sulfate (and therefore TDS also), it is notable that other wells in the vicinity of G60L do not reflect the same low pH as G60L. In addition to the peat content of the aquifer solids, carbonate content also influences groundwater pH, with higher proportions of carbonate minerals calcite and dolomite present in the aquifer solids resulting in a higher, or more neutral, pH. Therefore, variation in groundwater pH is a function of variability in both peat and carbonate content in the aquifer solids. Carbonate mineralization is known to buffer against pH changes associated with peat. Solid phase mineralogy analysis including X-ray diffraction (XRD; Attachment 6) and sequential extraction (SEP; Attachment 7) data both show variable carbonate content across the site, indicating that some locations have higher pH buffering capacity than others. Aqueous alkalinity concentration, a contributor of aqueous phase pH buffering capacity, is lower at G60L than at surrounding wells (Attachment 5). These data in combination suggest the presence of peat immediately upgradient with the relatively low buffering capacity of the groundwater observed for monitoring well G60L have naturally resulted in a groundwater pH that is lower than the pH of the surrounding site groundwater.

6.0 CONCLUSIONS

This technical review presents empirical evidence and analysis that demonstrates the GMF Pond is not the source of pH, sulfate, and TDS SSIs at compliance well G60L. The PCA identified a geochemical signature in the GMF Pond leachate that is different from groundwater and simultaneously demonstrates that





geochemistry at G60L is far more similar to background/compliance wells than to the GMF Pond leachate. This analysis was supported by evaluation of the major ion distribution, which showed a sulfate-chloride leachate signature not evident in the groundwater. The absence of boron and chloride (both conservative tracers) from groundwater further demonstrates the GMF Pond is not impacting G60L. Soil boring logs revealed a localized pocket of native peat immediately upgradient of G60L. The combination of hydraulic gradients, aqueous and solid phase geochemistry, and empirical field observations at this location supports the conclusion that local peat is likely the source of the pH, sulfate, and TDS SSIs at G60L.

7.0 ABBREVIATIONS

Alk, bicarb Alkalinity measured as bicarbonate, also shown as HCO₃-

As Arsenic
B Boron
Ba Barium
Ca Calcium

CCR Coal combustion residual

Cl Chloride

CO3²⁻ Carbonate ion

DC Duck Creek

F Fluoride

Fe Iron

ft feet

GMF Pond Gypsum Management Facility Pond

H+ Hydrogen ion, represents acidity in groundwater

HCO3 Bicarbonate alkalinity

K PotassiumMg MagnesiumMn ManganeseMo Molybdenummsl mean sea level

Na Sodium SO4 Sulfate

SSI Statistically significant increases

TDS Total dissolved solids





8.0 REFERENCES

- Aitchison, J. 1986. The Statistical Analysis of Compositional Data. Chapman and Hall. London
- Bourbonniere, R. A. 2009. Review of water chemistry research in natural and disturbed peatland. Canadian Water Resources Journal, 34:4, 393-414.
- Egozcue J.J. and V. Pawlowsky-Glahn. 2011. Basic concepts and procedures. In: Pawlowsky-Glahn V, Buccianti A, editors. Compositional data analysis: theory and applications. Chichester: Wiley; 2011. pp. 12–28.
- Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. Hydrogeologic Site
 Characterization Report. Gypsum Management Facility Pond. Duck Creek Power Plant. Canton,
 Illinois.
- Ramboll, 2023. Alternate Source Demonstration: Duck Creek Gypsum Management Facility Pond. August.
- Sandford, R. F., C.T. Pierson, and R.A. Crovelli. 1993. An objective replacement method for censored geochemical data: Math. Geol., 25(1), p. 59–80.

7



COMPLIANCE WELL

BACKGROUND WELL

PORE WATER WELL

CCR SOURCE WATER SAMPLE

MONITORING WELL

SITE FEATURE

150

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

NOTES:

NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

1. PARENTHESES INDICATES WELL NOT USED FOR CONTOURING 2.ELEVATION CONTOURS SHOWN IN FEET. JFeet NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

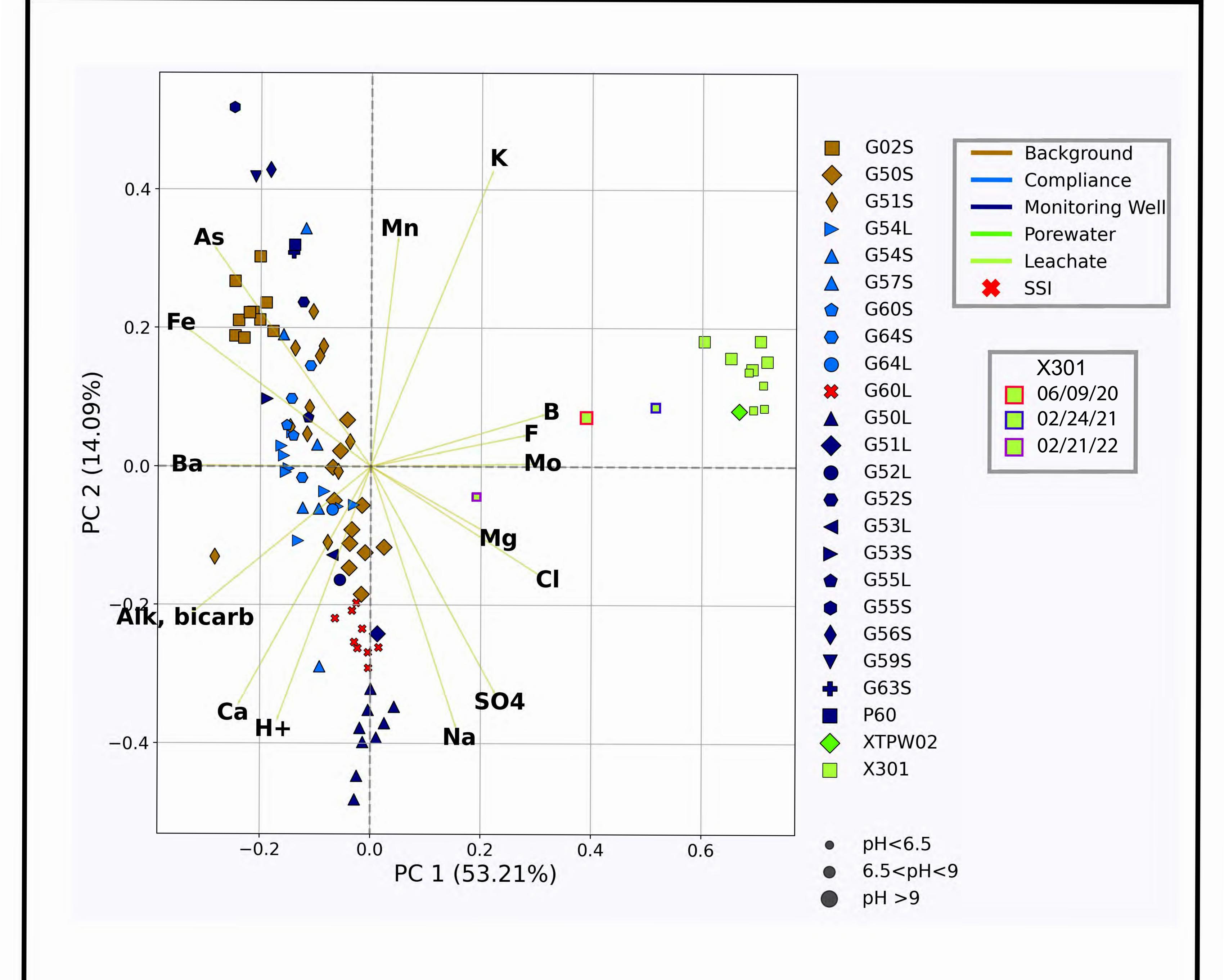
POTENTIOMETRIC SURFACE MAP **JANUARY 9 AND 16, 2023**

ALTERNATE SOURCE DEMONSTRATION GMF POND (UNIT ID: 203)

DUCK CREEK POWER PLANT CANTON, ILLINOIS **Attachment 1**

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





Principal Components Analysis (PCA) results for Duck Creek Gypsum Management Facility (GMF) Pond. Data is colored according to well classification and sized according to pH. See abbreviations list for complete analyte names.



Title

Duck Creek Principal Components Analysis Results

Project Name

Duck Creek - GMFP ASD

Project Number

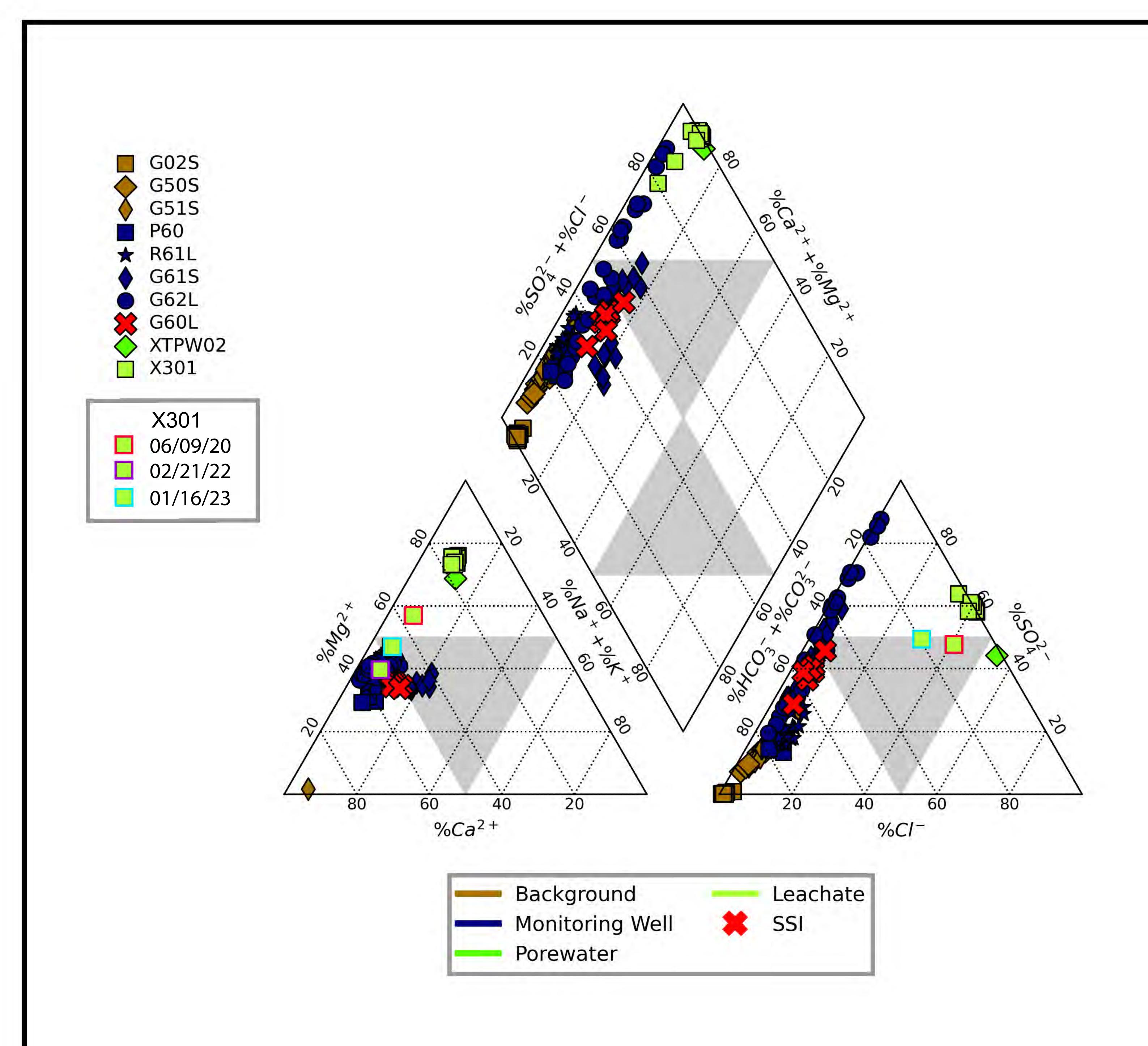
[23RAM01-1] Vistra CCR

Client Name
Ramboll Americas Engineering Solutions, Inc.

8/01/2023

2

Attachment



Piper diagram depicting major ion concentrations for background, leachate, and area around G60L. Total ion concentrations were used for all wells except P60, R61L, G61S, and G62L, which are a combination of dissolved and total ions. Dissolved ions used to improve analysis of local geochemistry near G60L.



Title	
Piper	Diagram

Project Name

Duck Creek - GMFP ASD

Project Number [23RAM01-1] Vistra CCR

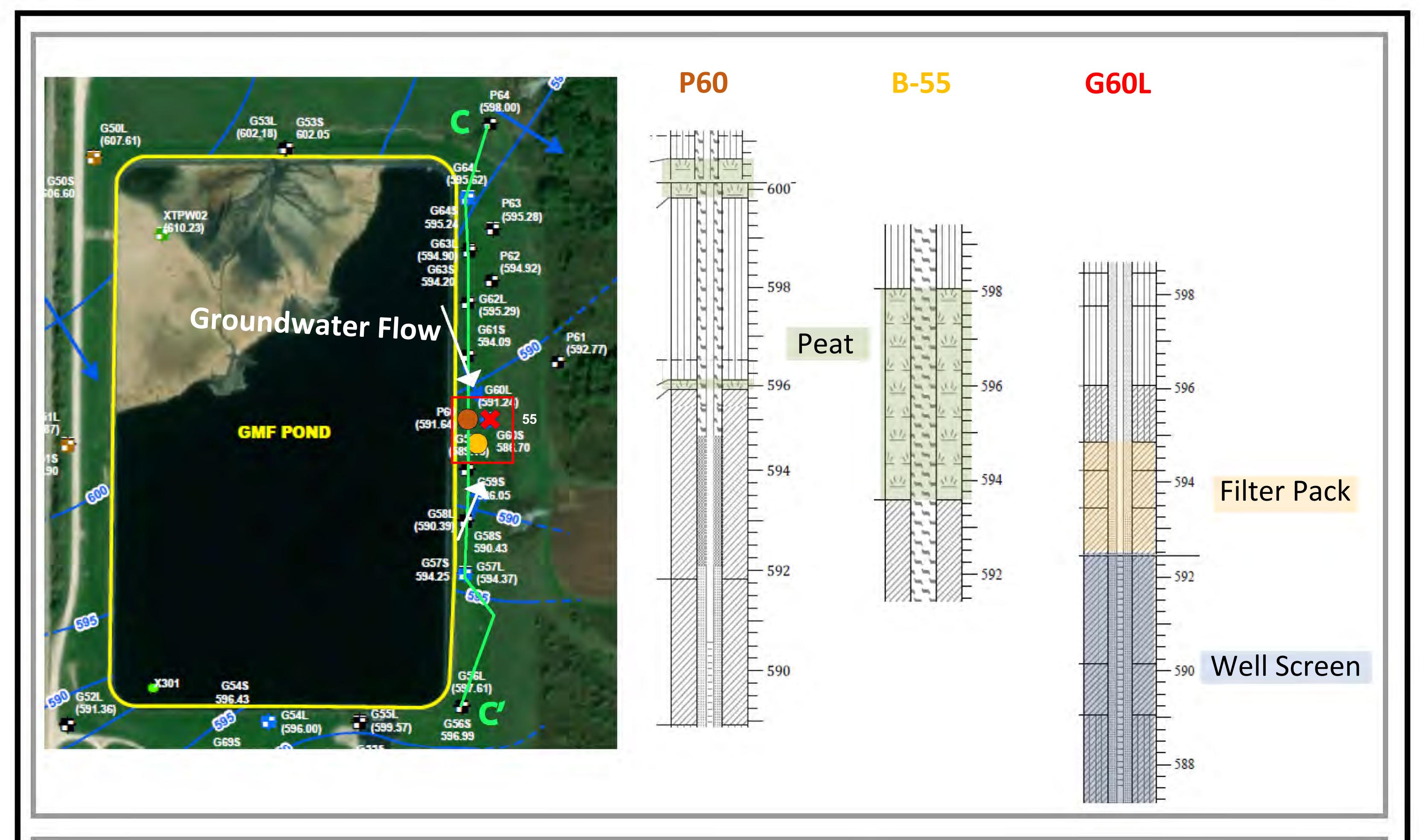
Attachment

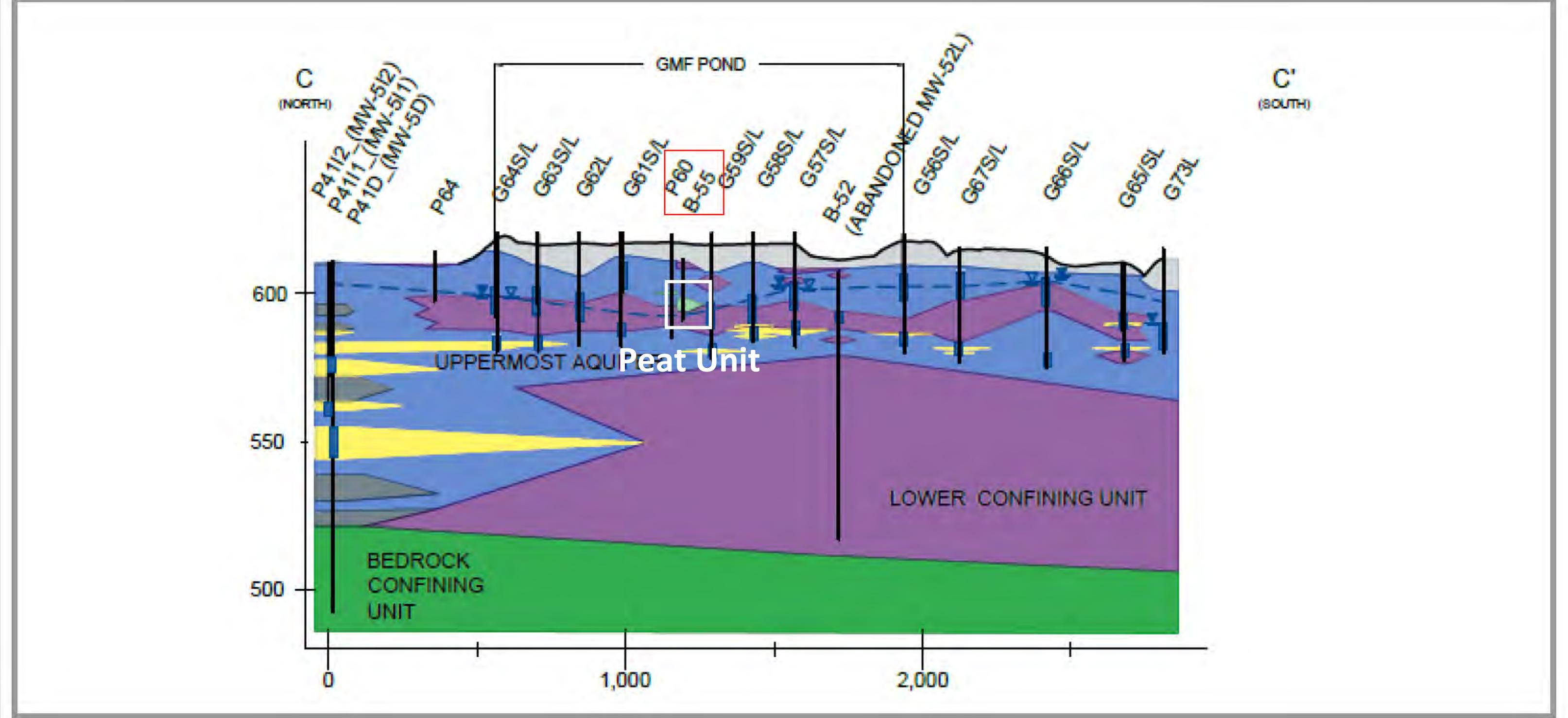
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Date

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Top) Peat unit relative to filter pack and well screen of G60L. Groundwater contours from January 2023. Boring logs modified from logs collected by Hanson. Groundwater map modified from Attachment 1. Bottom) Cross-section depicting local peat unit. Cross-section transect shown in top inset. All elevations in feet mean sea level. Cross-section modified from Ramboll, 2021.



Peat unit relative to G	60L

Title

Project Name

Duck Creek - GMFP ASD

Ramboll Americas Engineering Solutions, Inc.

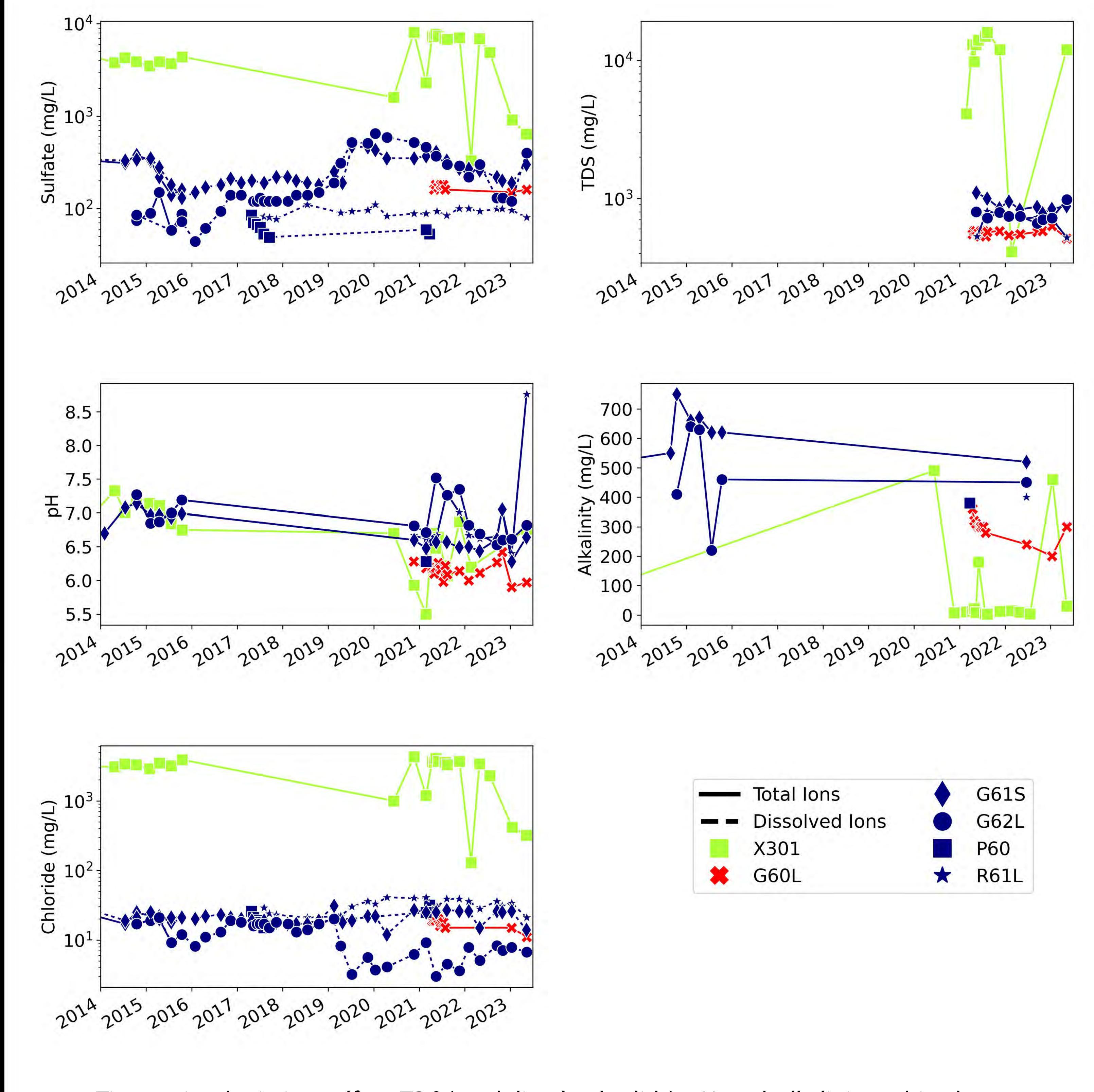
Project Number [23RAM01-1] Vistra CCR

8/02/2023

Date

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Attachment



Time series depicting sulfate, TDS (total dissolved solids), pH, and alkalinity as bicarbonate concentrations for leachate, G60L, and wells adjacent to G60L. Concentrations for sulfate and TDS are plotted on a log scale.



Title

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Duck Creek - GMFP ASD

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[23RAM01-1] Vistra CCR

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Date 8/01/2023

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Attachment



Attachment 6. X-ray diffraction results at Duck Creek Gypsum Management Pond.

Mineral/Compound	B-G52S (wt %)	B-G54L (wt %)	B-G57L (wt %)	B-G57S (wt %)	B-G62L (wt %)	B-G53S (wt %)	B-G02S (wt %)	B-G02L (wt %)
Quartz	48.4	57.6	51.2	59.9	61.7	51.1	61.1	49.2
Hornblende	3.7	1.4	2.4	-	-	-	-	-
Gypsum	-	-	-	-	-	-	-	-
Dolomite	23.7	11.7	2.5	12.8	-	23.8	-	9.2
Calcite	6.7	0.8	0.1	0.3	-	4.1	-	- 1
Albite	6.7	8.1	17.4	8.2	8.6	5.5	9.9	12.2
Chlorite	0.8	0.3	0.3	0.2	0.4	2.4	5.4	6.0
Muscovite	3.3	13.8	8.8	11.7	18.7	6.7	15.4	12.3
Rhodochrosite	3.2	-	-	-	-	-	0.4	-
Microcline	2.9	5.5	9.4	5.9	10.7	5.7	7.5	9.3
Pyrite	0.4	-	0.3	-	-	-	-	0.3
Halite	-	0.7	-	-	-	-	-	-
Montmorillonite	-	-	5.1	-	-	-	-	-
Goethite	-	-	1.1	-	-	-	-	-
Diaspore	-	-	0.3	-	-	-	-	-
Magnetite	-	-	0.4	-	-	-	-	0.4
Diopside	-	-	1.0	0.5	-	-	0.2	1.0
Actinolite	-	-	-	0.5	-	0.6	0.2	0.3

wt % - weight percent; bolded - carbonate minerals, buffers of groundwater pH



Attachment 7. Calcium sequential extraction (SEP) results at Duck Creek Gypsum Management Pond.

Calcium (mg/kg)					
Sample ID	¹ Step 2: Carbonate Phase	² Sum: Steps 1-7			
B-G52S	18,000	90,000			
B-G54L	2,300	23,000			
B-G57L	730	11,000			
B-G57S	3,600	39,000			
B-G62L	600	3,200			
B-G53S	13,000	80,000			
B-G02S	210	4,900			
B-G02L	2,400	24,000			

¹ Step 2 represents the carbonate phase in the tested material.

² The sum of all seven SEP steps shows how much calcium was produced throughout testing.