Prepared for

Illinois Power Resources Generating, LLC

Date

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

LANDFILL
DUCK CREEK POWER PLANT
CANTON, ILLINOIS
CCR UNIT 204

2023 40 C.F.R. § 257 ANNUAL GROUNDWATER **MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT LANDFILL**

Project name **Duck Creek Power Plant Landfill**

Project no. 1940103649-005

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ACRONYMS AND ABBREVIATIONS

40 C.F.R. Title 40 of the Code of Federal Regulations

ASD Alternative Source Demonstration

CCR coal combustion residuals

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
GMP Groundwater Monitoring Plan
GWPS groundwater protection standard

NA not applicable

Ramboll Americas Engineering Solutions, Inc.

SAP Sampling and Analysis Plan
SSI statistically significant increase

TBD to be determined TDS total dissolved solids

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.) § 257.90(e) for the Landfill located at the Duck Creek Power Plant (DCPP) near Canton, Illinois.

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

No changes were made to the monitoring system in 2023 (no wells were installed or decommissioned).

The following statistically significant increases (SSIs) of 40 C.F.R. § 257 Appendix III parameters above background concentrations were reported in 2023:

- pH at well G12S
- Total dissolved solids (TDS) at G06S

An Alternative Source Demonstration (ASD) was completed in 2023 for the SSIs referenced above and the Landfill 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 Landfill 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 Landfill 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 Landfill 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**. A groundwater monitoring plan (GMP) was developed for the Landfill in 2023; no changes were made to the monitoring system (Ramboll, 2023a). No wells were installed or decommissioned in 2023.

One groundwater sample was collected from each background and compliance well during each monitoring event. All samples were collected and analyzed in accordance with the Multi-Site Sampling and Analysis Plan (SAP) (Ramboll, 2023b).

Potentiometric surfaces for the semiannual sampling events are included in **Figure 2 and Figure 3**. All available monitoring data and analytical results obtained under 40 C.F.R. § 257.90 through 257.98 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). An ASD was completed in 2023 for the SSIs summarized in **Table A**. The date the ASD was completed are also provided in **Table A**. The ASD was certified by a qualified professional engineer and is included in **Appendix D**. The Landfill remains in the Detection Monitoring Program.

Table A. 2023 Detection Monitoring Program Summary

Event ID	Sampling Dates 1, 2, 3	Analytical Data Receipt Date	SSI(s) Determination Date	SSI(s)	ASD Completion Date
D12	January 9 - January 16, 2023	February 15, 2023	May 16, 2023	pH at well G12S;	August 14, 2023
				TDS at well G06S	
D12R	May 8 - May 11, 2023	June 2, 2023	NA	NA	NA
D13	July 17 - July 25, 2023	October 19, 2023	January 17, 2024	Calcium at well G06S;	TBD
				pH at well G12S	
D13R	October 19 and 27, 2023	January 2, 2024	NA	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)

²The following background wells were sampled for each event: G02S, G04S

³ The following compliance wells were sampled for each event: G06S, G09S, G12S, G15S

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.
- Complete evaluation of analytical data from the compliance wells using updated 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 alternate 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 alternate 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 alternate 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. Multi-Site Statistical Analysis Plan, 40 C.F.R. § 257. December 28, 2022.

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

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

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023a. 40 C.F.R. § 257 Groundwater Monitoring Plan, Landfill, Duck Creek Power Plant, Canton, Illinois. December 31, 2023.

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

GROUNDWATER ELEVATION DATA

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

LANDFILL

CANTON, IL

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	02/08/2023	9.28	612.37
G02S	Background	UA	03/08/2023	5.46	616.19
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
G04S	Background	UA	01/09/2023	21.00	607.66
G04S	Background	UA	05/08/2023	11.14	617.52
G04S	Background	UA	07/17/2023	18.27	610.39
G04S	Background	UA	10/16/2023	21.43	607.23
G06S	Compliance	UA	01/09/2023	22.20	605.44
G06S	Compliance	UA	05/08/2023	20.15	607.49
G06S	Compliance	UA	07/17/2023	22.02	605.62
G06S	Compliance	UA	10/16/2023	23.34	604.30
G09S	Compliance	UA	01/09/2023	21.30	603.53
G09S	Compliance	UA	05/08/2023	19.73	605.10
G09S	Compliance	UA	07/17/2023	20.63	604.20
G09S	Compliance	UA	10/16/2023	22.33	602.50
G12S	Compliance	UA	01/09/2023	26.10	603.72
G12S	Compliance	UA	05/08/2023	19.72	610.10
G12S	Compliance	UA	07/17/2023	22.72	607.10
G12S	Compliance	UA	10/16/2023	25.70	604.12
G15S	Compliance	UA	01/09/2023	34.26	599.81
G15S	Compliance	UA	05/08/2023	25.21	608.86
G15S	Compliance	UA	07/17/2023	31.19	602.88
G15S	Compliance	UA	10/16/2023	34.44	599.63

Dara

Only wells with groundwater elevations measured are included. $\ensuremath{\mathsf{BMP}} = \ensuremath{\mathsf{below}}$ 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:

UA = uppermost aquifer

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

LANDFILL CANTON, IL

CANTON, IL Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G02S	UA			D12				NA	NA NA
		Background	01/11/2023		Boron, total	mg/L	0.130		
G02S	UA	Background	07/25/2023	D13	Boron, total	mg/L	0.0370 J+	NA 	NA
G02S	UA	Background	01/11/2023	D12	Calcium, total	mg/L	97.0	NA	NA
G02S	UA	Background	07/25/2023	D13	Calcium, total	mg/L	100	NA	NA
G02S	UA	Background	01/11/2023	D12	Chloride, total	mg/L	4.8 UJ	NA	NA
G02S	UA	Background	07/25/2023	D13	Chloride, total	mg/L	1.60	NA	NA
G02S	UA	Background	01/11/2023	D12	Fluoride, total	mg/L	0.320	NA	NA
G02S	UA	Background	07/25/2023	D13	Fluoride, total	mg/L	0.397 J+	NA	NA
G02S	UA	Background	01/11/2023	D12	pH (field)	SU	6.6	NA	NA
G02S	UA	Background	07/25/2023	D13	pH (field)	SU	6.6	NA	NA
G02S	UA	Background	01/11/2023	D12	Sulfate, total	mg/L	0.18 U	NA	NA
G02S	UA	Background	07/25/2023	D13	Sulfate, total	mg/L	1 UJ	NA	NA
G02S	UA	Background	01/11/2023	D12	Total Dissolved Solids	mg/L	490	NA	NA
G02S	UA	Background	07/25/2023	D13	Total Dissolved Solids	mg/L	440	NA	NA
G04S	UA	Background	01/11/2023	D12	Boron, total	mg/L	0.0780	NA	NA
G04S	UA	Background	07/18/2023	D13	Boron, total	mg/L	0.0180	NA	NA
G04S	UA	Background	01/11/2023	D12	Calcium, total	mg/L	150	NA	NA
G04S	UA	Background	07/18/2023	D13	Calcium, total	mg/L	140	NA	NA
G04S	UA	Background	01/11/2023	D12	Chloride, total	mg/L	16.0	NA	NA
G04S	UA	Background	07/18/2023	D13	Chloride, total	mg/L	17.0	NA	NA
G04S	UA	Background	01/11/2023	D12	Fluoride, total	mg/L	0.272	NA	NA
G04S	UA	Background	07/18/2023	D13	Fluoride, total	mg/L	0.249 J	NA	NA
G04S	UA	Background	01/11/2023	D12	pH (field)	SU	7.1	NA	NA
G04S	UA	Background	07/18/2023	D13	pH (field)	SU	7.2	NA	NA
G04S	UA	Background	01/11/2023	D12	Sulfate, total	mg/L	220	NA	NA
G04S	UA	Background	07/18/2023	D13	Sulfate, total	mg/L	250	NA	NA
G04S	UA	Background	01/11/2023	D12	Total Dissolved Solids	mg/L	740	NA	NA
G04S	UA	Background	07/18/2023	D13	Total Dissolved Solids	mg/L	780	NA	NA
G06S	UA	Compliance	01/11/2023	D12	Boron, total	mg/L	0.0250	0.157	No Exceedance
G06S	UA	Compliance	07/18/2023	D13	Boron, total	mg/L	0.0650	0.157	No Exceedance
G06S	UA	Compliance	01/11/2023	D12	Calcium, total	mg/L	130	160	No Exceedance
G06S	UA	Compliance	07/18/2023	D13	Calcium, total	mg/L	400	160	Determined
G06S	UA	Compliance	10/27/2023	D13R	Calcium, total	mg/L	270	160	Determined
G06S	UA	Compliance	01/11/2023	D12	Chloride, total	mg/L	9.00	20.0	No Exceedance
G06S	UA	Compliance	07/18/2023	D12	Chloride, total	mg/L	5.90	20.0	No Exceedance
G06S	UA	Compliance	01/11/2023	D13	Fluoride, total	mg/L	0.245 J	0.466	No Exceedance
G06S	UA	Compliance	07/18/2023	D12	Fluoride, total	mg/L	0.243 3	0.466	No Exceedance
G06S	UA	Compliance	01/11/2023	D13	pH (field)	SU	7.0	6.5/7.2	No Exceedance
		•							No Exceedance
G06S	UA	Compliance	07/18/2023	D13	pH (field)	SU mg/l	7.0	6.5/7.2	
G06S	UA	Compliance	01/11/2023	D12	Sulfate, total	mg/L	110	330	No Exceedance
G06S	UA	Compliance	07/18/2023	D13	Sulfate, total	mg/L	140	330	No Exceedance
G06S	UA	Compliance	01/11/2023	D12	Total Dissolved Solids	mg/L	1,400	790	Determined
G06S	UA	Compliance	05/09/2023	D12R	Total Dissolved Solids	mg/L	600	790	No Exceedance
G06S	UA	Compliance	07/18/2023	D13	Total Dissolved Solids	mg/L	670	790	No Exceedance
G09S	UA	Compliance	01/11/2023	D12	Boron, total	mg/L	0.0170	0.157	No Exceedance
G09S	UA	Compliance	07/24/2023	D13	Boron, total	mg/L	0.0220 J+	0.157	No Exceedance





ANALYTICAL RESULTS - APPENDIX III PARAMETERS
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LANDFILL

Well ID	HSU	Well Type	Date	Event ID	Parameter	Unit	Result	Background	SSI Type
G09S	UA	Compliance	01/11/2023	D12	Calcium, total	mg/L	110	160	No Exceedance
G09S	UA	Compliance	07/24/2023	D13	Calcium, total	mg/L	100	160	No Exceedance
G09S	UA	Compliance	01/11/2023	D12	Chloride, total	mg/L	18.0 J-	20.0	No Exceedance
G09S	UA	Compliance	07/24/2023	D13	Chloride, total	mg/L	18.0	20.0	No Exceedance
G09S	UA	Compliance	01/11/2023	D12	Fluoride, total	mg/L	0.233 J	0.466	No Exceedance
G09S	UA	Compliance	07/24/2023	D13	Fluoride, total	mg/L	0.25 UJ	0.466	No Exceedance
G09S	UA	Compliance	01/11/2023	D12	pH (field)	SU	7.0	6.5/7.2	No Exceedance
G09S	UA	Compliance	07/24/2023	D13	pH (field)	SU	6.8	6.5/7.2	No Exceedance
G09S	UA	Compliance	01/11/2023	D12	Sulfate, total	mg/L	47.0	330	No Exceedance
G09S	UA	Compliance	07/24/2023	D13	Sulfate, total	mg/L	52.0	330	No Exceedance
G09S	UA	Compliance	01/11/2023	D12	Total Dissolved Solids	mg/L	570	790	No Exceedance
G09S	UA	Compliance	07/24/2023	D13	Total Dissolved Solids	mg/L	520	790	No Exceedance
G12S	UA	Compliance	01/16/2023	D12	Boron, total	mg/L	0.0130	0.157	No Exceedance
G12S	UA	Compliance	07/24/2023	D13	Boron, total	mg/L	0.0170 J+	0.157	No Exceedance
G12S	UA	Compliance	01/16/2023	D12	Calcium, total	mg/L	79.0	160	No Exceedance
G12S	UA	Compliance	07/24/2023	D13	Calcium, total	mg/L	67.0	160	No Exceedance
G12S	UA	Compliance	01/16/2023	D12	Chloride, total	mg/L	18.0	20.0	No Exceedance
G12S	UA	Compliance	07/24/2023	D13	Chloride, total	mg/L	19.0	20.0	No Exceedance
G12S	UA	Compliance	01/16/2023	D12	Fluoride, total	mg/L	0.332	0.466	No Exceedance
G12S	UA	Compliance	07/24/2023	D13	Fluoride, total	mg/L	0.362 J+	0.466	No Exceedance
G12S	UA	Compliance	01/16/2023	D12	pH (field)	SU	7.4	6.5/7.2	Determined
G12S	UA	Compliance	05/11/2023	D12R	pH (field)	SU	7.6	6.5/7.2	Determined
G12S	UA	Compliance	07/24/2023	D13	pH (field)	SU	7.4	6.5/7.2	Determined
G12S	UA	Compliance	10/27/2023	D13R	pH (field)	SU	7.4	6.5/7.2	Determined
G12S	UA	Compliance	01/16/2023	D12	Sulfate, total	mg/L	89.0	330	No Exceedance
G12S	UA	Compliance	07/24/2023	D13	Sulfate, total	mg/L	100	330	No Exceedance
G12S	UA	Compliance	01/16/2023	D12	Total Dissolved Solids	mg/L	440	790	No Exceedance
G12S	UA	Compliance	07/24/2023	D13	Total Dissolved Solids	mg/L	470	790	No Exceedance
G15S	UA	Compliance	01/16/2023	D12	Boron, total	mg/L	0.0110	0.157	No Exceedance
G15S	UA	Compliance	07/25/2023	D13	Boron, total	mg/L	0.01 UJ	0.157	No Exceedance
G15S	UA	Compliance	01/16/2023	D12	Calcium, total	mg/L	86.0	160	No Exceedance
G15S	UA	Compliance	07/25/2023	D13	Calcium, total	mg/L	93.0	160	No Exceedance
G15S	UA	Compliance	01/16/2023	D12	Chloride, total	mg/L	12.0	20.0	No Exceedance
G15S	UA	Compliance	07/25/2023	D13	Chloride, total	mg/L	12.0	20.0	No Exceedance
G15S	UA	Compliance	01/16/2023	D12	Fluoride, total	mg/L	0.282	0.466	No Exceedance
G15S	UA	Compliance	07/25/2023	D13	Fluoride, total	mg/L	0.330 J+	0.466	No Exceedance
G155	UA	Compliance	01/16/2023	D13	pH (field)	SU	7.1	6.5/7.2	No Exceedance
G15S	UA	Compliance	07/25/2023	D12	pH (field)	SU	6.2	6.5/7.2	Determined
G155	UA	Compliance	10/27/2023	D13 D13R	pH (field)	SU	7.1	6.5/7.2	No Exceedance
G15S	UA	Compliance	01/16/2023	D13K	Sulfate, total	mg/L	37.0	330	No Exceedance
G15S G15S	UA	Compliance	07/25/2023	D12	Sulfate, total	mg/L	43.0	330	No Exceedance
G155 G15S	UA	Compliance	01/16/2023	D13	Total Dissolved Solids	mg/L	480	790	No Exceedance
G15S G15S									
G132	UA	Compliance	07/25/2023	D13	Total Dissolved Solids	mg/L	480 J	790	No Exceedance





ANALYTICAL RESULTS - APPENDIX III PARAMETERS

2023 40 C.F.R. § 257 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT LANDFILL CANTON, IL

Notes:

HSU = hydrostratigraphic unit:

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.

Determined: An exceedance was determined without comparison to a resample.

SU = Standard Units

- 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 low.
- 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

LANDFILL

CANTON, IL

Parameter	Date Range	Sample Count	Percent Non- Detects	Statistical Calculation	Statistical Background Value (LPL/UPL)
Boron (mg/L)	12/02/2015 - 01/31/2022	44	Parametric UPL (log transformed)		0.157
Calcium (mg/L)	12/02/2015 - 01/31/2022	43	0	Non-Parametric UPL	160
Chloride (mg/L)	12/02/2015 - 01/31/2022	48	6	Non-Parametric UPL	20.0
Fluoride (mg/L)	12/02/2015 - 01/31/2022	44	16	Parametric UPL (log- transformed)	0.466
pH (field) (SU)	12/02/2015 - 01/31/2022	48	0	Parametric LPL/UPL	6.5/7.2
Sulfate (mg/L)	12/02/2015 - 01/31/2022	44	50	Non-Parametric UPL	330
Total Dissolved Solids (mg/L)	12/02/2015 - 01/31/2022	44	0	Non-Parametric UPL	790

Notes:

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

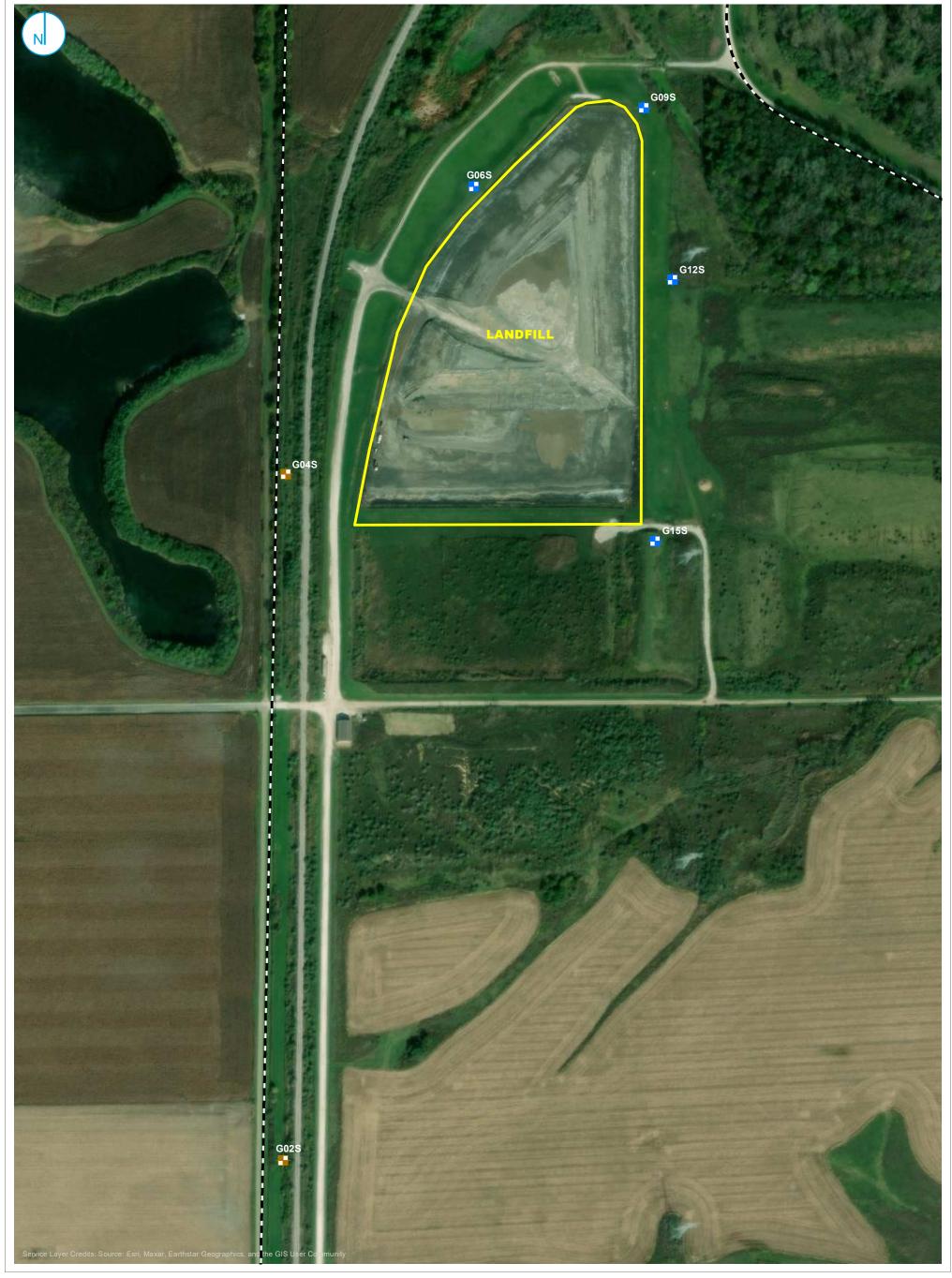
SU = standard units UPL = upper prediction limit

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FIGURES



COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL

REGULATED UNIT (SUBJECT UNIT)

PROPERTY BOUNDARY

MONITORING WELL LOCATION MAP

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

LANDFILL DUCK CREEK POWER PLANT CANTON, ILLINOIS FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





COMPLIANCE WELL

BACKGROUND WELL

PROPERTY BOUNDARY

MONITORING WELL REGULATED UNIT (SUBJECT UNIT) GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL,

INFERRED GROUNDWATER
ELEVATION

GROUNDWATER FLOW DIRECTION

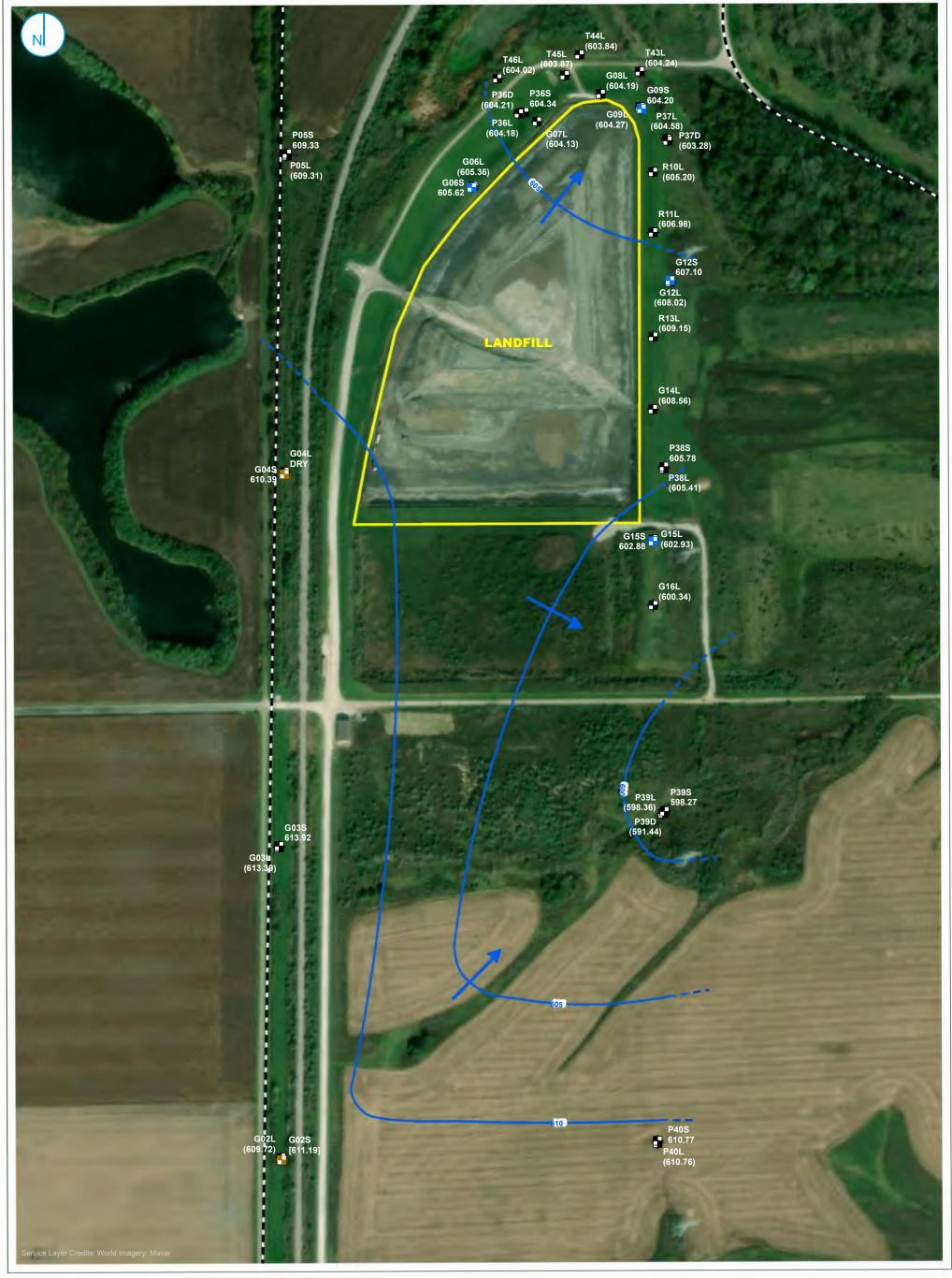
POTENTIOMETRIC SURFACE MAP **JANUARY 9 AND 16, 2023**

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT LANDFILL

DUCK CREEK POWER PLANT CANTON, ILLINOIS FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.





COMPLIANCE MONITORING WELL

CONTOUR (5-FT CONTOUR INTERVAL, NAVD88) BACKGROUND MONITORING WELL INFERRED GROUNDWATER ELEVATION CCR SOURCE WATER SAMPLE MONITORING WELL

→ GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)

GROUNDWATER ELEVATION

PROPERTY BOUNDARY LELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
 ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE
 4 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC SURFACE MAP

LANDFILL DUCK CREEK POWER PLANT CANTON, ILLINOIS

JULY 17, 2023

FIGURE 3

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



APPENDIX A LABORATORY REPORTS AND FIELD DATA SHEETS



February 15, 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,

Gail Schindler Project Manager

(309) 692-9688 x1716

David & Schindler

gail.schindler@pacelabs.com

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

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

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 Prepared Dilution MRL Analyzed Analyst Method Anions - PIA Chloride Q3 < 5.0 01/21/23 18:49 5 5.0 01/21/23 18:49 LAM EPA 300.0 REV 2.1 mg/L Fluoride 0.320 01/21/23 17:55 1 0.250 01/21/23 17:55 LAM EPA 300.0 REV 2.1 mg/L Sulfate 01/21/23 17:55 01/21/23 17:55 LAM EPA 300.0 REV 2.1 < 1.0 mg/L 1.0 1 Field - PIA Depth, From Measuring 12.9 01/11/23 10:25 01/11/23 10:25 FIELD Field* Feet 1 01/11/23 10:25 01/11/23 10:25 **FIELD** Field* Dissolved oxygen, Field 5.8 1 mg/L Oxidation Reduction -107 mV 01/11/23 10:25 1 -500 01/11/23 10:25 **FIELD** Field* Potential pH, Field Measured 6.63 pH Units 01/11/23 10:25 01/11/23 10:25 **FIELD** Field* Specific Conductance, Field 0.008 umhos/cm 01/11/23 10:25 1 01/11/23 10:25 **FIELD** Field* Measured Temperature, Field 11.2 °C 01/11/23 10:25 1 01/11/23 10:25 **FIELD** Field* Measured Turbidity, Field Measured 8.08 NTU 01/11/23 10:25 0.00 01/11/23 10:25 **FIELD** Field* 1 **General Chemistry - PIA** 2.0 HRF Alkalinity - bicarbonate as 250 01/17/23 10:08 1 01/17/23 10:08 SM 2320B 1997* mg/L CaCO3 Alkalinity - carbonate as < 2.0 01/17/23 10:08 1 2.0 01/17/23 10:08 HRF SM 2320B 1997* mg/L CaCO3 Solids - total dissolved 01/13/23 14:44 01/13/23 15:45 SM 2540C 490 26 CPS mg/L 1 solids (TDS) **Total Metals - PIA** Boron 130 ug/L 01/17/23 08:50 5 10 01/19/23 12:54 **JMW EPA 6020A** Calcium 97 01/17/23 08:50 5 0.20 01/19/23 12:54 JMW EPA 6020A mg/L Magnesium 36 mg/L 01/17/23 08:50 5 0.10 01/19/23 12:54 JMW EPA 6020A В 01/17/23 08:50 01/19/23 12:54 Potassium 1.0 mg/L 5 0.10 **JMW EPA 6020A** Sodium 14 mg/L 01/17/23 08:50 5 0.10 01/19/23 12:54 JMW **EPA 6020A**

ANALYTICAL RESULTS

Sample: GA02056-08 Name: G04S

Matrix: Ground Water - Grab

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

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method Anions - PIA Chloride 16 01/21/23 19:26 5 5.0 01/21/23 19:26 LAM EPA 300.0 REV 2.1 mg/L Fluoride 0.272 mg/L 01/21/23 19:08 1 0.250 01/21/23 19:08 LAM EPA 300.0 REV 2.1 Sulfate 01/21/23 20:20 50 50 01/21/23 20:20 LAM EPA 300.0 REV 2.1 220 mg/L Field - PIA Depth, From Measuring 19 83 01/11/23 11:01 01/11/23 11:01 FIELD Field* Feet 1 01/11/23 11:01 01/11/23 11:01 **FIELD** Field* Dissolved oxygen, Field 4.7 1 mg/L Oxidation Reduction 57.0 mV 01/11/23 11:01 1 -500 01/11/23 11:01 FIELD Field* Potential pH, Field Measured 7.14 pH Units 01/11/23 11:01 01/11/23 11:01 **FIELD** Field* Specific Conductance, Field 1000 umhos/cm 01/11/23 11:01 1 01/11/23 11:01 **FIELD** Field* Measured Temperature, Field 11.7 °C 01/11/23 11:01 1 01/11/23 11:01 **FIELD** Field* Measured Turbidity, Field Measured 214 NTU 01/11/23 11:01 0.00 01/11/23 11:01 **FIELD** Field* 1 **General Chemistry - PIA** 2.0 HRF Alkalinity - bicarbonate as 220 01/17/23 10:08 1 01/17/23 10:08 SM 2320B 1997* mg/L CaCO3 Alkalinity - carbonate as 2.0 < 2.0 01/17/23 10:08 1 01/17/23 10:08 HRF SM 2320B 1997* mg/L CaCO3 Solids - total dissolved 01/13/23 14:44 01/13/23 15:45 CPS SM 2540C 740 26 mg/L 1 solids (TDS) **Total Metals - PIA** Boron 78 ug/L 01/17/23 08:50 5 10 01/19/23 12:57 **JMW EPA 6020A** Calcium 150 01/17/23 08:50 5 0.20 01/19/23 12:57 JMW EPA 6020A mg/L Magnesium 66 mg/L 01/17/23 08:50 5 0.10 01/19/23 12:57 JMW EPA 6020A В 01/17/23 08:50 **JMW** Potassium 1.6 mg/L 5 0.10 01/19/23 12:57 **EPA 6020A** Sodium 9.5 mg/L 01/17/23 08:50 5 0.10 01/19/23 12:57 JMW **EPA 6020A**

ANALYTICAL RESULTS

Sample: GA02056-10 Name: G06S

Matrix: Ground Water - Grab

Sampled: 01/11/23 15:35 **Received:** 01/11/23 16:30

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method Anions - PIA Chloride 9.0 01/21/23 20:38 1 1.0 01/21/23 20:38 LAM EPA 300.0 REV 2.1 mg/L Fluoride < 0.250 mg/L 01/21/23 20:38 1 0.250 01/21/23 20:38 LAM EPA 300.0 REV 2.1 Sulfate 110 01/28/23 01:34 25 01/28/23 01:34 CRD EPA 300.0 REV 2.1 mg/L 25 Field - PIA Depth, From Measuring 22.21 01/11/23 15:35 01/11/23 15:35 FIELD Field* Feet 1 01/11/23 15:35 01/11/23 15:35 **FIELD** Field* Dissolved oxygen, Field 4.6 1 mg/L Oxidation Reduction 119 mV 01/11/23 15:35 1 -500 01/11/23 15:35 **FIELD** Field* Potential pH, Field Measured 7.02 pH Units 01/11/23 15:35 01/11/23 15:35 **FIELD** Field* Specific Conductance, Field 925.0 umhos/cm 01/11/23 15:35 01/11/23 15:35 **FIELD** Field* 1 Measured Temperature, Field 13.0 °C 01/11/23 15:35 1 01/11/23 15:35 **FIELD** Field* Measured Turbidity, Field Measured 347 NTU 01/11/23 15:35 0.00 01/11/23 15:35 **FIELD** Field* 1 **General Chemistry - PIA** 2.0 HRF Alkalinity - bicarbonate as 260 01/17/23 10:08 1 01/17/23 10:08 SM 2320B 1997* mg/L CaCO3 Alkalinity - carbonate as < 2.0 01/17/23 10:08 1 2.0 01/17/23 10:08 HRF SM 2320B 1997* mg/L CaCO3 Solids - total dissolved 1400 01/13/23 14:44 01/13/23 15:45 SM 2540C 26 CPS mg/L 1 solids (TDS) **Total Metals - PIA** Boron 25 ug/L 01/17/23 08:50 5 10 01/19/23 13:34 **JMW EPA 6020A** Calcium 130 01/17/23 08:50 5 0.20 01/19/23 13:34 JMW EPA 6020A mg/L Magnesium 62 mg/L 01/17/23 08:50 5 0.10 01/19/23 13:34 JMW EPA 6020A В 01/17/23 08:50 Potassium 1.3 mg/L 5 0.10 01/19/23 13:34 **JMW EPA 6020A** Sodium 7.4 mg/L 01/17/23 08:50 5 0.10 01/19/23 13:34 JMW **EPA 6020A**

ANALYTICAL RESULTS

Sample: GA02056-11 Name: G09S

Matrix: Ground Water - Grab

Sampled: 01/11/23 14:20 **Received:** 01/11/23 16:30

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	18	mg/L		01/21/23 22:08	10	10	01/21/23 22:08	LAM	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		01/21/23 21:50	1	0.250	01/21/23 21:50	LAM	EPA 300.0 REV 2.1
Sulfate	47	mg/L		01/21/23 22:08	10	10	01/21/23 22:08	LAM	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	12.18	Feet		01/11/23 14:20	1		01/11/23 14:20	FIELD	Field*
Dissolved oxygen, Field	2.4	mg/L		01/11/23 14:20	1		01/11/23 14:20	FIELD	Field*
Oxidation Reduction Potential	90.0	mV		01/11/23 14:20	1	-500	01/11/23 14:20	FIELD	Field*
pH, Field Measured	6.95	pH Units		01/11/23 14:20	1		01/11/23 14:20	FIELD	Field*
Specific Conductance, Field Measured	812.0	umhos/cm		01/11/23 14:20	1		01/11/23 14:20	FIELD	Field*
Temperature, Field Measured	13.6	°C		01/11/23 14:20	1		01/11/23 14:20	FIELD	Field*
Turbidity, Field Measured	300	NTU		01/11/23 14:20	1	0.00	01/11/23 14:20	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	250	mg/L		01/17/23 10:08	1	2.0	01/17/23 10:08	HRF	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		01/17/23 10:08	1	2.0	01/17/23 10:08	HRF	SM 2320B 1997*
Solids - total dissolved solids (TDS)	570	mg/L		01/13/23 14:44	1	26	01/13/23 15:45	CPS	SM 2540C
Total Metals - PIA									
Boron	17	ug/L		01/17/23 08:50	5	10	01/19/23 13:37	JMW	EPA 6020A
Calcium	110	mg/L		01/17/23 08:50	5	0.20	01/19/23 13:37	JMW	EPA 6020A
Magnesium	51	mg/L		01/17/23 08:50	5	0.10	01/19/23 13:37	JMW	EPA 6020A
Potassium	1.5	mg/L	В	01/17/23 08:50	5	0.10	01/19/23 13:37	JMW	EPA 6020A
Sodium	9.7	mg/L		01/17/23 08:50	5	0.10	01/19/23 13:37	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02681-03 Name: G12S

Matrix: Ground Water - Grab

Sampled: 01/16/23 11:49 **Received:** 01/16/23 15:51

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	18	mg/L		02/01/23 04:41	10	10	02/01/23 04:41	CRD	EPA 300.0 REV 2.1
Fluoride	0.332	mg/L		02/01/23 04:22	1	0.250	02/01/23 04:22	CRD	EPA 300.0 REV 2.1
Sulfate	89	mg/L		02/01/23 04:41	10	10	02/01/23 04:41	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	25.84	Feet		01/16/23 11:49	1		01/16/23 11:49	FIELD	Field*
Dissolved oxygen, Field	1.8	mg/L		01/16/23 11:49	1		01/16/23 11:49	FIELD	Field*
Oxidation Reduction Potential	-76.0	mV		01/16/23 11:49	1	-500	01/16/23 11:49	FIELD	Field*
pH, Field Measured	7.41	pH Units		01/16/23 11:49	1		01/16/23 11:49	FIELD	Field*
Specific Conductance, Field Measured	695.0	umhos/cm		01/16/23 11:49	1		01/16/23 11:49	FIELD	Field*
Temperature, Field Measured	11.2	°C		01/16/23 11:49	1		01/16/23 11:49	FIELD	Field*
Turbidity, Field Measured	17.3	NTU		01/16/23 11:49	1	0.00	01/16/23 11:49	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	160	mg/L		01/17/23 10:08	1	2.0	01/17/23 10:08	HRF	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L		01/17/23 10:08	1	2.0	01/17/23 10:08	HRF	SM 2320B 1997*
Solids - total dissolved solids (TDS)	440	mg/L		01/18/23 15:03	1	26	01/20/23 17:17	CPS	SM 2540C
Total Metals - PIA									
Boron	13	ug/L		01/19/23 08:31	5	10	01/20/23 11:07	JMW	EPA 6020A
Calcium	79	mg/L		01/19/23 08:31	5	0.20	01/20/23 11:07	JMW	EPA 6020A
Magnesium	38	mg/L	Q4	01/19/23 08:31	5	0.10	01/20/23 11:07	JMW	EPA 6020A
Potassium	0.40	mg/L		01/19/23 08:31	5	0.10	01/20/23 11:07	JMW	EPA 6020A
Sodium	5.4	mg/L		01/19/23 08:31	5	0.10	01/20/23 11:07	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GA02681-04 Name: G15S

Matrix: Ground Water - Grab

Sampled: 01/16/23 11:11 **Received:** 01/16/23 15:51

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	12	mg/L	0	2/01/23 05:19	10	10	02/01/23 05:19	CRD	EPA 300.0 REV 2.1
Fluoride	0.282	mg/L	0	2/01/23 05:00	1	0.250	02/01/23 05:00	CRD	EPA 300.0 REV 2.1
Sulfate	37	mg/L	0	2/01/23 05:19	10	10	02/01/23 05:19	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	34.09	Feet	C	1/16/23 11:11	1		01/16/23 11:11	FIELD	Field*
Dissolved oxygen, Field	3.3	mg/L	C	1/16/23 11:11	1		01/16/23 11:11	FIELD	Field*
Oxidation Reduction Potential	232	mV	C	1/16/23 11:11	1	-500	01/16/23 11:11	FIELD	Field*
pH, Field Measured	7.13	pH Units	C	1/16/23 11:11	1		01/16/23 11:11	FIELD	Field*
Specific Conductance, Field Measured	767.0	umhos/cm	C	1/16/23 11:11	1		01/16/23 11:11	FIELD	Field*
Temperature, Field Measured	11.1	°C	C	1/16/23 11:11	1		01/16/23 11:11	FIELD	Field*
Turbidity, Field Measured	15.0	NTU	C	1/16/23 11:11	1	0.00	01/16/23 11:11	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	210	mg/L	0	1/17/23 10:08	1	2.0	01/17/23 10:08	HRF	SM 2320B 1997*
Alkalinity - carbonate as CaCO3	< 2.0	mg/L	0	1/17/23 10:08	1	2.0	01/17/23 10:08	HRF	SM 2320B 1997*
Solids - total dissolved solids (TDS)	480	mg/L	0	1/18/23 15:03	1	26	01/20/23 17:17	CPS	SM 2540C
Total Metals - PIA									
Boron	11	ug/L	0	1/19/23 08:31	5	10	01/20/23 11:11	JMW	EPA 6020A
Calcium	86	mg/L	0	1/19/23 08:31	5	0.20	01/20/23 11:11	JMW	EPA 6020A
Magnesium	42	mg/L	0	1/19/23 08:31	5	0.10	01/20/23 11:11	JMW	EPA 6020A
Potassium	0.38	mg/L	0	1/19/23 08:31	5	0.10	01/20/23 11:11	JMW	EPA 6020A
Sodium	8.8	mg/L	0	1/19/23 08:31	5	0.10	01/20/23 11:11	JMW	EPA 6020A

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B323147 - No Prep - SM 2540C									
Blank (B323147-BLK1)				Prepared &	Analyzed: 01/	/13/23			
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		
Duplicate (B323147-DUP1)	Sample: GA020	56-07	Prepared & Analyzed: 01/13/23						
Solids - total dissolved solids (TDS)	505	mg/L			490			3	5
Batch B323330 - SW 3015 - EPA 6020A									
Blank (B323330-BLK1)			Prepared: 01/17/23 Analyzed: 01/19/23						
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	yzed: 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 B323514 - No Prep - SM 2540C									
Blank (B323514-BLK1)				Prepared: 0	1/18/23 Analy	yzed: 01/20/2	3		
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B323514-BS1)			Prepared: 01/18/23 Analyzed: 01/20/23						
Solids - total dissolved solids (TDS)	1020	mg/L		1000		102	84.9-109		
Batch B323566 - SW 3015 - EPA 6020A									
Blank (B323566-BLK1)				Prepared: 01/19/23 Analyzed: 01/20/23					
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 (B323566-BS1)			Prepared: 01/19/23 Analyzed: 01/20/23						
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		
Matrix Spike (B323566-MS1)	Sample: GA026		<u> </u>	1/19/23 Analy					
Boron	530	ug/L		555.6	12.9	93	75-125		
Calcium	84.0	mg/L		5.556	78.6	98	75-125		
Magnesium	42.6	mg/L	Q4	5.556	38.3	77	75-125		
Potassium	5.73	mg/L		5.556	0.402	96	75-125		

QC SAMPLE RESULTS

				Spike	Source		%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Lim
Matrix Spike (B323566-MS1)	Sample: GA026	81-03		Prepared: 0	01/19/23 Anal	yzed: 01/20/23	1		
Sodium	10.6	mg/L		5.556	5.44	93	75-125		
Matrix Spike Dup (B323566-MSD1)	Sample: GA026	81-03		Prepared: 0	01/19/23 Anal	yzed: 01/20/23	1		
Boron	537	ug/L		555.6	12.9	94	75-125	1	20
Calcium	84.0	mg/L		5.556	78.6	97	75-125	0.02	20
Magnesium	42.4	mg/L	Q4	5.556	38.3	73	75-125	0.5	20
Potassium	5.78	mg/L		5.556	0.402	97	75-125	0.9	20
Sodium	10.7	mg/L		5.556	5.44	95	75-125	0.9	20
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							
Fluoride	0.00	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B323851-CCV1)				Prepared &	Analyzed: 01	/21/23			
Sulfate	4.82	mg/L		5.000		96	90-110		
Chloride	4.79	mg/L		5.000		96	90-110		
Fluoride	5.11	mg/L		5.000		102	90-110		
Matrix Spike (B323851-MS1)	Sample: GA020	56-07		Prepared &	Analyzed: 01	/21/23			
Fluoride	1.73	mg/L		1.500	0.320	94	80-120		
Chloride	1.6	mg/L	Q1	1.500	4.2	NR	80-120		
Sulfate	1.53	mg/L		1.500	ND	102	80-120		
Matrix Spike (B323851-MS2)	Sample: GA020	56-11		Prepared &	Analyzed: 01	/21/23			
Chloride	3.5	mg/L		1.500	18	NR	80-120		
Fluoride	1.66	mg/L		1.500	0.233	95	80-120		
Matrix Spike Dup (B323851-MSD1)	Sample: GA020	56-07		Prepared &	Analyzed: 01	/21/23			
Chloride	3.1	mg/L	Q2	1.500	4.2	NR	80-120		20
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
Matrix Spike Dup (B323851-MSD2)	Sample: GA020	56-11		Prepared &	Analyzed: 01	/21/23			
Fluoride	1.67	mg/L		1.500	0.233	96	80-120	0.5	20
Chloride	3.0	mg/L		1.500	18	NR	80-120		20
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							
Calibration Check (B324437-CCV1)				Prepared &	Analyzed: 01	/27/23			
Sulfate	5.05	mg/L		5.000		101	90-110		
Batch B324535 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B324535-CCB1)				Prepared &	Analyzed: 01	/31/23			
Fluoride	0.00	mg/L							
Chloride	0.899	mg/L							
Sulfate	0.00	mg/L							
Calibration Check (B324535-CCV1)				•	Analyzed: 01	/31/23			
Fluoride	5.06	mg/L		5.000		101	90-110		
Chloride	4.74	mg/L		5.000		95	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.

Sail g Schindler

Certified by: Gail Schindler, Project Manager

GA02056-20

CHAIN-OF-CUSTODY / Analytical Request Document

	Client Information:	Section B Required Pro	_			-Custody	s a LEGAI	DOC	Sect Invoj	tion ce in	C forma	lion:				com	plete	ed ace	urate	lý.	_								Page:	1	of	7
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Email To		Purchase On		J.:					Refer	ence;									_				UST			RÇRA	4			THER		
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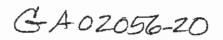
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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

GA02056-20

CHAIN-OF-CUSTODY / Analytical Request Document

Section A	A Client Information:	Section B Required Pro	aject in	ntomne			s a LEGAL		Sect	ion C ce Info																P	age:	2	сf	7
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CHAIN-OF-CUSTODY / Analytical Request Document

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CHAIN-OF-CUSTODY / Analytical Request Document

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CHAIN-OF-CUSTODY / Analytical Request Document

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mail To:	Brian Voelker@VistraCorp.com	Purchase Or	der N	D.:					Quale Refere	nnea:							_	-				UST		R	CRA		C	THER		
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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 Section A Required Project Information: Required Client Information: Invoice Information: Attention: Report To: Brian Voelker Jason Stuckey Vistra Corp Address: 13498 E. 900th St Copy To: Jason Stuckey Company Name: Vistra Corp REGULATORY AGENCY Address: see Section A DRINKING WATER NPDES **GROUND WATER** Quate Purchase Order No.: Email To: Brian. Voelker@VistraCorp.com UST RCRA. OTHER Reference Project Name: roject Phone: (217) 753-8911 Site Location denage* IL roject Number: 2285 rofile #: STATE: Requested Due Date/TAT: 10 day Requested Analysis Filtered (Y/N) TNU Section D Valld Matrix Codes to left) MATRIX CODE COLLECTED Preservatives Required Client Information C=COMP) DRINKING WATER DW (SB® valid ocdas SAMPLE TEMP AT COLLECTION 202 744~ 17444 WASTE WATER PRODUÇT Residual Chlorine (Y/N) (G=GRAB 203-206 201 SOL (SOLID SL OL WP 845 201-202 OF CONTAINERS WIPE Analysis Test SAMPLE ID AIR OT-IER CLOSURE 204 (A-Z. 0-9/,-) MATRIX CODE 203 204 C_257_205 SAMPLE TYPE WPCP Sample IDs MUST BE UNIQUE 257 257 811 Na₂S₂O₃ g' Project No./ Lab I.D. DATE TIME OR05D 12.43 5 OR08A W1 6 1/4/23 2 **OR11** 3 OR13D **OR13S** OR14D **OR14S** 7 **OR18** 8 **OR19** 9 **OR20** 10 P36L 11 12 P37L R10L 13 R61L 14 R72\$ 15 T43L 16 RELINQUISHED BY / AFFILIATION ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS DATE ADDITIONAL COMMENTS DC-Q1-2023 Rev 3 11/23 1425 0,8 SAMPLER NAME AND SIGNATURE foe (YVN) Custody aled Cool (Y/N) PRINT Name of SAMPLER: (YAN) inday Hosperus At DATE Signed SIGNATURE of SAMPLER (MM/DD/YY): A 123 Joseph had

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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.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL ODCUMENT. All relevant fields must be completed accurately. Section A Section B **Bection C** Required Client Information: 7 Required Project Information: Page: 4 Invoice information: Company: Report Te: Brian Voelker Vistra Corp Jason Stuckey Address: 13498 E. 900th St Copy To: Jason Stuckey Company Name: Vistra Corp REGULATORY AGENCY Address: see Section A NPDES **GROUND WATER** DRINKING WATER Brian.Voelker@VistraCorp.com Purchase Order No.: UST RCRA OTHER Reference: Phone: (217) 753-8911 Project Name: Site Location ΙL Project Number: 2285 rolile #: Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes NA codes to left) C=COMP) Required Client Information MATRIX COLLECTED CODE Preservatives DRINKING WATER DW. WATER WASTE WATER WT SAMPLE TEMP AT COLLECTION 201-202 (see valid (G=GRAB SOLUBOUD C_WPCP_203-206 OIL WIPE AIN OTHER 845_201-202 SAMPLE ID Analysis Test Residual Chlorine C_CLOSURE (A-Z, 0-0/,-) MATRIX CODE Unpreserved
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(MM/OD/YY): SIGNATURE of SAMPLER:

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SAMPLE CONDITIONS

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C 7 Required Client Information: Regulared Project Information: Page: 6 σſ Invoice Information: Company: Vistra Coro Report to: Brian Voelker Attention: Jason Stuckey Address: Company Name: Vistra Corp 13498 E. 900th St Copy To: Jason Stuckey REGULATORY AGENCY Address: see Section A **NPDES GROUND WATER** DRINKING WATER Purchase Order No.: Brian.Voelker@VistraCorp.com Quote UST RCRA OTHER Reference Phone: (217) 753-8911 Project Name: Site Location Manager: IL Project Number: 2285 Profile #: Requested Due Date/TAT: 10 day STATE. Requested Analysis Filtered (Y/N) Section D Valld Matrix Codes valid codes to left) C-COMP) Required Client Information MATRIX CODE COLLECTED Preservatives DRINGNB WATER DW WATER WASTE WATER SAMPLE TEMP AT COLLECTION 201-202 PRODUCT SOIU/SOUID P SL OL V/P AR OI TS (G=GRMB OC_WPCP_203-206 OIL WIPE AIR (388 Analysis Test 845_201-202 # OF CONTAINERS SAMPLE ID CLOSURE DIHLH (A-Z, 0-9 / ,-) MATRIX CODE 20 203 205 JC_811_204 TISSUE SAMPLE TYPE Sample IDs MUST BE UNIQUE Residual 257 257 257 HEM 8 0 DATE Project No./ Lab I.D. TIME OR05D OR06A 2 **OR11** 3 OR13D **OR13S** 5 OR14D в 7 **OR14S OR18** 8 **OR19** 9 **OR20** 10 P36L 11 1250 P37L

	11017	V						34	
			Some Man Oliveil	V/16/23	1551	40	V	V	1-
SAMPLER NAME A	AND SIGNATURE	E				U	8 _	3	But
PRINT Nan	ne of SAMPLER:		Born Tembon	^		, e	3 ed	a Stody	S (S)
SIGNATUR	TE of SAMPLER:	F	DATE \$Igned (MM/DD/YY): O	1/36/	-5	PE PE	Rece	Sealer	Sampl

DATE

ACCEPTED BY / AFFILIATION

12

13

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15

16

R10L

T43L

ADDITIONAL COMMENTS

DC-Q1-2023 Rev 3

R61L

R72S

W1 6 1/11/23

RELINQUISHED BY / AFFILIATION

DATE

1/14/23 1001

TIME

GA02681. VMW 1-17-23

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Gustody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Section A Section B Section C Required Client Information: Page: 7 Regulred Project Information: Invoice Information: Company: Vistra Corp Report To: Brian Voelker Attention: Jason Stuckey Address: 13498 E. 900th St Copy To: Jason Stuckey Company Name: Vistra Corp REGULATORY AGENCY Address: see Section A NPDES **GROUND WATER** DRINKING WATER Brian.Voelker@VistraCorp.com Purchase Order No.: Quote UST RCRA OTHER Reference: Phone: (217) 753-8911 Project Name: Prolect Site Location Manager: IL Project Number. 2285 Requested Due Date/TAT: 10 day STATE: Requested Analysis Filtered (Y/N) Section D Valid Matrix Codes N I (see valid codes to laft) equired Client Information (G=GRAB C=COMP) COLLECTED MATRIX CODE Preservatives DRINKING WATER DW SAMPLE TEMP AT COLLECTION 201-202 WASTE WATER WW P SL OL WP AR OT TS PRODUCT Chlorine (Y/N) SOIL/SOLID WPCP_203-206 OIL WIPE AIR OTHER Analysis Test C_845_201-202 SAMPLE ID # OF CONTAINERS CLOSURE (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE MATRIX CODE 204 205 204 SAMPLE TYPE DC_257_ Residual 257 811 257 δļ Ö, 0 ö DATE Project No./ Lab I.D. 1140 T44L 1228 T45L 2 1210 3 T46L X 6 1023 X301 5 В 9 10 11 12 13 14 15 16 ADDITIONAL COMMENTS RELINQUISHED BY / AFF/LIATION DATE TIME ACCEPTED BY / AFFILIATION DATE SAMPLE CONDITIONS 1551 DC-Q1-2023 Rev 3 1/6/23 SAMPLER NAME AND SIGNATURE ples Intact (Y/N) Custody railed Cooler (Y/N) sceived or Ice (Y/N) Temp In PRINT Name of SAMPLER: DATE Signed (MM/DD/YY):

SIGNATURE of SAMPLER:

01

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204 WELL/SAMPLE POINT **G02S** 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 mg/L NTU (Units) ft. 8.U. 10 800 10 2 10 3 4 5 ± 10% or 0.2 NA Stabilization NA NΑ NΑ ± 0.2 ± 3% ± 0.2 ± 20 Well Integrity No Field Meter: Well has ID sign Casing locked/secure Sample Appearance: Odor: None None □ Slight □ Mod. □ Strong Well cap fits securely. □ Slight ☐ Mod. Good seal/drainage Color None ☐ 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: Jaryel R Reed

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND COR**RECTIVE CCION** REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

WELL/SAN	APLE POINT	GO	48		Purge f	Method:	Blag	125	
Date:	1/11/2	23	Start Time:				ample Time	1101	
Well Depth	(Bottom) Fro	m MP:	35.84	A (topo	f pump	Min. Purge	Volume:	1.5	Gal / L
Depth to W	ater From MF	? :	19.83	ft		Total Purge		1.8	Gal / L
Water Colu	ımn Length:		NA	ft		Max Drawd	down:	NA	ft
Well Water	Volume:			Gal / L		Total Drawo	lown:	0.22	<u>t</u> t
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	ML/min	s.u.	umhos/cm	deg C	m۷	mg/L	NTU
1	1046	100	20.04	7-11	1000	11.73	57	5.12	280
2	1947	20.11	100	7,14	10 00	11.74	57	4.88	231
3	648	2018	100	714	1000	1172	57	4.68	2-14
4									
5		-							
Stabilizatio	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		110	1					1	
Field Meter	:	- 10	riba		-	Well Integr		Yes	No
						Well has ID		X	
Sample Ap	pearance:					Casing lock	ed/secure	1	
Odor:	None 🗆	Slight [Mod. 🗆	Strong		Well cap fits	s securely.	X	
Color D	□ None	Slight [Mod. □	Strong		Good seal/o	Irainage	X	
Turb:	None A	∕Slight □	Mod □	Strong		Well has we	ep holes	X	
BOTTLE IN	FORMATIO			ľ					1
		tered					ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4					Metals (P,250			
	VOAS (C,V, 4					Ammonia (P,		04)	
	Organics (A,C					General (P,5	00mL)		
	Organics (A,C				-				
	TOC (A,V 40r				-			-	
		0mL, H2SO4)			-				
	Metals (P,250				-		_		
		50mL, NaOH)			-				
-	General (P, 2	,250mL, H2S0	7 0 0 1			-			
-	General (F, 42	PATINE) 10	100 mL						
							20	00	
					Final	DTW:	20.	05 H	
Commonto									
Comments								A	
							0 01	1	
			Sampler's S	ionature		MENM	A K	Non	
			Janpio 6 C	-gracero,	X	0 11	1	104	
					//	V			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORPORT REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

WELL/SAN	PLE POINT	GC)6S		Purge I	Method:	<u> B la</u>	dder	. "	
Date:	1/11/	23	Start Time:		55	-	ample Time	15	35	
Well Depth	(Bottom) Fro	om MP:	44.68	A Ctop	pof pun	in. Purge	/olume:	1.5	Gal / L	
Depth to W	ater From MI	P:	22.21	ft		Total Purge	Volume:	1.8	Gal / L	
Water Colu	mn Length:		NA	ft		Max Drawo	iown:	411	ft	
Well Water	Volume:		1	Gal / L		Total Drawd	own:	-0.01	ft	
Reading	Time	Depth	Flow Rate	ρН	Spec Cond	Temp	ORP	DO	Turb]
(Units)	-	ft.	mL/min	\$.U.	umhos/cm	deg C	mV	mg/L	UTN	
1	1315	2220	100	7.04	1927	13.08	118	14,85	334	
2	1316	2220	100	703	925	1305	119	469	337	
3	1317	222	000	702	925	12.99	119	455	347	347
4	-									ري)
5										
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA]
5 1.1.1.1		H				DATE III LEAD	4	T V.		7
Field Meter	:		31 1 50		-	Well Integri Well has ID		Yes	No	-
Sample Ap	DOGFTDOO:					Casing lock		1		1
	1.							1		1
Odor:	None [Slight [Mod.	Strong	-	Well cap fits	securely.	1		
Color)	None □	Slight [Mod. □	Strong		Good seal/d	rainage	X		
Turb:	None N	81ight 🗆	Mod □	Strong		Well has we	ep holes	1X		
		\								
BOTTLE	FORMATIO			1		F114			1	
05:	-	Itered		-	Dhu		ered			
Qty	Bottles	(O-/ HOL)		-	Qty	Bottles Metals (P,250	- HVIO3)			
	VOAs (C,V, 4			1		Ammonia (P,		04)	1	
		G,U 1000mL)		1	-	General (P,50		04)	1	
	Organics (A,			1	1	Cherai ()	zonic)		1	
-	TOC (A,V 40								1	
		0mL, H2SO4)		1					1	
1	Metals (P,250			1					1	
		250mL, NaOH)						1	
		,250mL, H2S		1					1	
	General (P, 2		200 ml	1]	
	-								1	
	1]	Final	DTW:	22.	20 A		
					rillai	DIW.	221	20 11	-	
Comments										
Johnnonta										-
						σΛ Λ	M	10 1		
			Sampler's S	Signature:	(W	Messy	R	1 oca		
					79	1	1	.00		
					1/					

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

WELL/SAM	PLE POINT	GO	98		Purge f	Method:	Blad	der	
Date:	1/11/	23	Start Time:	134	9	Finish/Sa	ample Time	14	20
Well Depth	(Bottom) Fro	m MP:	4407	A (topo	f fump	Min. Purge \	/olume:	1.5	Gal / L
Depth to W	ater From MF	·:	12.18	ft		Total Purge	Volume:	.8	Gal / L
Water Colu	mn Length:		NA	ft		Max Drawd	lown:	MA	ft
Well Water	Volume:	*		Gal / L		Total Drawde	own:	8.29	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)	t	ft.	mL/min	S.U.	umhos/cm	deg C	mV	mg/L	NTU
1	1400	18.33	100	696	812	13.65	88	2.65	284
2	1401	18.48	100	6.95	812	13.61	89	2.48	211
3	1402	19.63	110	6.95	812	13.60	10	2,44	300
4		0	70				0		
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter		11.	~ . 60			Well Integri	fn.	Van	No
rieid Weter		410	IPA	_		Well has ID		Yes	IAO
Sample App	pearance:					Casing locke		1	
		Slight 🗆	Mod.	Strong		Well cap fits		2	
	>			Strong		Good seal/d		1	
								1	
Turb: □	None N	Slight 🗆	Mod □	Strong		Well has we	ep noies		
BOTTLE IN	IFORMATION	N:							
		tered				Filte	red		
Qty	Bottles			0 1	Qty	Bottles			
	VOAs (C,V, 4	0mL, HCL)				Metals (P,250	mL, HNO3)		
	VOAS (C,V, 4	OmL)				Ammonia (P,2		(4)	
	Organics (A,C					General (P,50	OmL)		
	Organics (A,G								
	TOC (A,V 40r								
-	TOX (A,G 250								
	Metals (P,250 Cyanide (P, 2								
	Phenois (A,G								
		€ mL) [0]							
				P					
					Final	DTW:	2	84 1	20.47
Comments	# 18	133, 18	48, 18,	63					
			Complete C	ianatura:	()	1900	R	A no 1	
			Sampler's S	ignature:	10	Com !	1	July	
					1	/			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE CETEN REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

WELL/SAM	APLE POINT		125		Purge N	Method:	- block		
Date:	1/16	12023	_Start Time:	1118		Finish/Sa	ample Time:	114	9
Veli Depth	(Bottom) Fro	m MP:	pump	ft		Min. Purge \	/olume:		Gal / L
Depth to W	ater From MF	P:	25.84	ft		Total Purge	Volume:	1000	Gal/L M
Water Colu	ımn Length:		NA	ft		Max Drawd	lown:	_	ft
Well Water	Volume:		7	Gal / L		Total Drawd	own;	1 11	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	1131	2613	.00	7.41	626	11,19	-69	10921	355
2	1133	26.73	100	7.42	696	11.23	-76	1178	2218
3	#531 3	26.74	100	2.11	695	11.27	-76	1025	1713
4	-								
5									-
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
ieiu imetei.			01:60						
Sample App	pearance:			Strong		Well has ID Casing locks Well cap fits	ed/secure	+	X
Sample App Odor: 5	pearance:	Slight [Mod.	Strong Strong		Casing locks	ed/secure securely.	<i>f</i>	X
Sample App Odor: 13 Color 16	pearance: ♣None □	Slight	Mod. []			Casing locks Well cap fits	securely.	f J	X
Sample App Odor: © Color © Furb: □	pearance: None □ None □	Slight Slight	Mod. []	Strong		Casing locks Well cap fits Good seal/d	securely.		× 1/16
Sample App Odor: © Color © Furb: □	pearance: ♣None □	Slight Slight Slight Slight	Mod. []	Strong		Casing locks Well cap fits Good seal/d Well has we	ed/secure securely. rainage ep holes		× 1/16.
Sample App Odor: © Color © Turb: □	pearance: None None None	Slight Slight Slight Slight	Mod. []	Strong	Qty	Casing locks Well cap fits Good seal/d	ed/secure securely. rainage ep holes		× 1/16.
Sample App Odor: © Color © Turb: □	None INONE I	Slight Slight Slight Slight Slight OnL, HCL)	Mod. []	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we	ed/secure securely. rainage ep holes		× 1/16.
Sample App Odor: © Color © Furb: □	Pearance: None D None M IFORMATION Unfill Bottles VOAS (C,V, 4	Slight Slight Slight Slight Slight ON:	Mod. []	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3)	A	× 1/16.
Sample App Odor: S Color S Furb: SOTTLE IN	Pearance: None D None D FORMATION Unfill Bottles VOAs (C,V, 4 VOAS (C,V, 4	Slight Sl	Mod. []	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250	ed/secure securely. rainage ep holes ered mL, HNO3)	A	× 1/16.
Sample App Odor: S Color S Turb: SOTTLE IN	None INONE I	Slight Sl	Mod. []	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3)	A	× 1/16.
Sample App Odor: S Color S Furb: SOTTLE IN	None INONE I	Slight Sl	Mod. Mod. Mod.	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3)	A	× 1/16.
Sample App Odor: S Color S Furb: S COTTLE IN	Pearance: None D Non	Slight Sl	Mod. Mod. Mod.	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3) 250mL, H2S0	A	× 1/16.
Sample App Odor: S Color S Furb: S BOTTLE IN	Pearance: None D Non	Slight Sl	Mod. Mod. Mod. Mod	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3) 250mL, H2S0	A	× 1/16.
Sample App Odor: S Color S Furb: S COTTLE IN	Pearance: None D Non	Slight Sl	Mod. Mod. Mod. Mod	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3) 250mL, H2S0	A	× 1/16.
Sample App Odor: S Color S Turb: S COTTLE IN	Pearance: None D Non	Slight Sl	Mod. [] Mod. [] Mod []	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3) 250mL, H2S0	A	× 1/16.
Sample App Odor: S Color S Turb: S COTTLE IN	Pearance: None D Non	Slight Sl	Mod. [] Mod. [] Mod []	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3) 250mL, H2S0	A	× 1/16.
Color (Si Turb: BOTTLE IN Qty	Pearance: None D Non	Slight Sl	Mod. [] Mod. [] Mod []	Strong	Qty	Casing locks Well cap fits Good seal/d Well has we Filte Bottles Metals (P,250 Ammonia (P,2	ed/secure securely. rainage ep holes ered mL, HNO3) 250mL, H2S0	4)	× 1/16.

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

WELL/SAM	PLE POINT	G1	58		Purge I	Method:	bla	He	
Date:	1/161	2023	Start Time:	1020		Finish/S	ample Time	11/1	
Well Depth	(Bottom) Fro	om MP:		ft		Min. Purge	Volume:		Gal/L
Depth to Wa	ater From Mi	P:	34.00	ft		Total Purge	Volume:	1000	Gal/L (my)
Water Colur	nn Length:		NA	ft		Max Draw	down:		ft
Welf Water	Volume:		1	Gat / L		Total Drawd	lown:	1.38	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	1047	35.41	100	7.17	772	11.53	219	3.63	39.5
2	1049	35.47	100	7.15	770	11,34	2.27	3.50	18.8
3	10 51	35.47	100	7.13	768	11,17	229	3-338	17.6
4	1053	35.47	100	7,13	767	11.14	232	3 +31	15,0
5	-				-				
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		1-1	arbor			Well Integr	ity	Yes	No
i ibid ivioloi.		- 7			_	Well has ID		7	110
Sample App	earance:					Casing lock		1	
		Slight	Mod. □	Strong		Well cap fits		17	
				Strong	-	Good seal/o		1	
			-	Strong	-	Well has we		1	
BOTTLE IN		N: Itered		10		Filt	ered		
Qty	Bottles	Holes		(2)	Qty	Bottles	0,00		
	VOAs (C,V,	40mL, HCL)				Metals (P,250	0mL, HNO3)		
	VOAS (C,V,	40mL)				Ammonia (P,	250mL, H2S0	04)	
	Organics (A,	G,U 1000mL)				General (P,5	00mL)		
	Organics (A,	G,U 500mL)							
	TOC (A,V 40	mL, H2SO4)							
		0mL, H2SO4)		1					
1	Metals (P,25								
		250mL, NaOH)							
		3,250mL, H2SC							
	General (P, 2	260-mL) (CIDC	JAN.		-	-			
	-								
				1	Final	DTW:	35.	47 #	
Comments									
								-//	
			Complete C	lianetura:		1/2		1/	
			Sampler's S	ngnature:		//	100	-	

DC-257-204

Multiparameter Meter Field Calibration Checklist											
Field Personnel:	KL		JR		Î	Loc	cation:	Duck	CCI	reek	
Weather:	440	200	dy win	01	Imp	Environ	ment:	mud	19500	9	
Multiparameter	Water Meter	Make:	Horiba		odel:	V-50	200	Serial Number:	0401	FVT	F
Water Lev	el Meter	Make:	Heren	М	odel:	Dipas	T	Serial Number:	19892	20213	IML
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibra	ate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	1-1.08	s.u.	±0.1 s.u.	P	,	·N		1	MSI	L344-09	12/14/2023
рН 7.00а	6.98	s.u.	±0.1 s.u.	1		- 11			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					1	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2.045	μS/cm	±5%					1	Geotech	2GE1442	May-23
ORP	778	mV	±15 mV					1	InSitu	2G1762	Jun-23
DO (Zero pt)	0.0	mg/L	±0.1						Macron	#000228049	
DO (Saturated)	90,54	%	97-100%			1		1	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1.21	NTU	<2 NTU			-	-	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi										1.1,(2.1)	1.47.1(2.1)
	(Initial Calibr		'erification)				Time:	852			
Buffer	Check Value	Units	Range	Pas	s/Fail		Action	n Taken?	Manufacturer	Lot#	Ехр.
pH 4.00b	3.96	ş.u.	±0.15 s.u.				N		Geotech	2GC243	Mar-24
pH 7.00b	7.01	s.u.	±0.15 s.u.						Geotech	2GC931	Mar-24
pH 10.00b	10.08	s.u.	±0.15 s.u.	-			1	_	Geotech	2GE820	May-24
SC 1000	F 30 77	μS/cm	±5%		F		95	6 Recal	Ricca	4205H64	May-24
Approx. every 4 hi		e well									
CCV (Continue	d Calibration	Verific	ation):			Т	ime:	1548			
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibra	ate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	400	s.u.	±0.1 s.u.	1	P	N		V	MSI	L315-04	11/22/2023
pH 7.00a	7.92	s.u.	±0.1 s.u.		1_	1			MSI	L172-33	6/23/2023
pH 10.00a	1007	s.u.	±0.1 s.u.						MSI	L354-22	1/5/2024
SC 1000	.997	μS/cm	±5%						Ricca	2108D48	Jul-23
DO (Zero pt)	0.05	mg/L	±0.1 mg/L						Macron		8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU		1	1	*	4	Pace Labs	N/A (ĐI)	N/A (DI)
Approx. every 4 hi	rs, unless only on	ie well						7			
CCV (Continue		Verific	ation):	_			Time:				
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibr	ate?	Adjusted Reading		Lot#	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		8/26/2025
Turbidity (DI)		NTU	<2 NTU						Pace Labs	N/A (DI)	N/A (DI)
Comments:									1		
Signature:	Signature: Date: 1/1/23										

Field Personnel:	110101	n Pe	in bellon		Location:	Duck	creen		
Weather:	43°- 5	V Y	St 3mpm		Environment:	yeass, J		1	
Multiparamete	r Water Meter	Make:	Horiba	Model:	U-5000	Serial Number:	YLAK	J27	IA
Water Lev	el 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	MSI	L344-09	12/14/202
pH 7.00a	6.96	s.u.	±0.1 s.u.	1/1	1	7	MSI	L343-07	12/9/2023
pH 10.00a	10.04	5.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				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		e weli					24900		1-4-4-4
	(Initial Calibr		erification)		Time:	0859	1		
Buffer	Check Value	Units		Pass/Fail		n Taken?	Manufacturer	Late	F
pH 4.00b	H.OZ	S.U.	±0.15 s.u.	D P	N		Geotech	Lot# 2GC243	Exp.
pH 7.00b		S.U.	±0.15 s.u.	1	10	/ / /	Geotech	2GC931	Mar-24
pH 10.00b	9.96	s.u.	±0.15 s.u.	++-			Geotech		Mar-24
SC 1000		μS/cm	±5%	+			Ricca	2GE820 4205H64	May-24
Approx. every 4 h	10HO		1376	1			Meca	4203004	May-24
			-tionle		_	11.650	1		
CCV (Continue		vermo	ation):	_	Time;	1450			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.03	S.U.	±0.1 s.u.	P	NO	MA	MSI	L315-04	11/22/2023
pH 7.00a	4.07	s.u.	±0.1 s.u.	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	1070	μ\$/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	0.00	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU		1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h									
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	L315-04	11/22/2023
4:UUd		s.u.	±0.1 s.u.				MSI	L172-33	6/23/2023
		5.U.	±0.1 s.u.				MSI	L354-22	1/5/2024
7.00a 10.00a		µS/cm	±5%				Ricca	2108D48	Jul-23
7.00a 10.00a							Macron	#000228049	8/26/2025
7.00a		mg/L	±0.1 mg/L						
7,00a 10.00a SC 1000 DO (Zero pt)		mg/L NTU	±0.1 mg/L <2 NTU				Pace Labs	N/A (DI)	N/A (DI)
7,00a 10.00a SC 1000							-	N/A (DI)	N/A (DI)

Field Personnel:	MALEIS	DE	SKE		Location:	Dux	REEK		
Weather:	44°CU	PAOC	WIND C	larus	Environment	GENSSY	No Duc	145	
Multiparamete	The Administration	Make:	Honles	Model:	HARISA	Serial Number:	PWZ	Com	103
Water Lex	el Meter	Make:	Wenn	Model:	DIDIEST	Serial Number:	11FF 2	7.69.30	5 ML
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	PASS	No	NA	MSI	L315-04	11/22/202
pH 7.00a	4.02	s.u.	±0.1 s.u.	1	1	5	MSI	L172-33	6/23/2023
pH 10:00a	10.01	S.U.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC Zero (DI)	13.60	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1998	μ5/cm	±5%				Geotech	1GK328	Nov-22
ORP	242	mV	±15 mV				InSitu	1GL481	Sep-22
DO (Zero pt)	0.04	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)		%	97-100%			1	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1024	NTU	<2 NTU	-	-		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only on	e well		-					
1CV	(Initial Calibr	ation V	erification)		Time:	0850			
Buffer	Check Value	Units	Range	Pass/Fail	2 45.1 51.0	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.99	S.U.	±0.15 s.u.	Pr.53	We	I CONCIL	Geotech	1GF009	Jun-23
pH 7.00b	20.02	s.u.	±0.15 s.u.	1	700		Geotech	OGJ268	Oct-22
pH 10.00b	9.98	s.u.	±0.15 s.u.				Geotech	1GF458	Jun-23
SC 1000	1009	µ5/cm	±5%	1			Ricca	2108D48	Jul-23
Approx. every 4 hi					1	(b): [%]			
CCV (Continue			ation):		Time:	1530			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4 OOa	4.00	5.U.	±0.1 s.u.	Bass	(US	N/A	MSI	L315-04	11/22/202
pH 7.00a	4.03	S.U.	±0.1 s.u.	7490	igna	1970	MSI	L172-33	6/23/2023
рН 10.00а	9.98	5.U.	±0.1 s.u.	1	1		MSI	L354-22	1/5/2024
SC 1000	1000	μS/cm	±5%	11	1	1	Ricca	2108D48	Jul-23
DO (Zero pt)	000	mg/L	±0.1 mg/L			-	Macron	#000228049	8/26/2025
Turbidity (DI)	1.27	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h				1		7	1 400 0000	147.145.4	1.47.42.4
CCV (Continue			ation):		Time:				
Buffer				mana frant		Adjusted Reading	Administrative and	Lot#	Professional
4.00a	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Keading	Manufacturer		Exp.
7.00a		\$.ii.	±0.1 s.u.	-			MS1 MSI	L315-04 L172-33	11/22/2023
10.00a		s.u.	±0.1 s.u.				MSI	L354-22	1/5/2024
SC 1000		μ\$/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:		1610	121110				, occ mos	India (Oil	ויין א (טון
Signature:	1		,			/	1		

Field Personnel:	Austin	M	20.00		Location:	duck co	ne K		
Weather:	. 4 1	outy/	541.4	ach	Environment:	mudigrass;	-		_
Multiparamete	Water Meter	Make:	Horiba	Model:	U-5000	Serial Number	PWZGY	JD3	
Water Lev	el Meter	Make:	WT	Model:			19FF 2111		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	3.98	s.u.	±0.1 s.u.	P.	N	NIT	MSI	L344-09	12/14/202
oH 7.00a	7:01	s.u.	±0.1 s.u.				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)	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	2.53	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)	0.00	NTU	<2 NTU	1	4		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well			4,-				
ICV	(Initial Calibr	ation V	erification)		Time:	0979	1		
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Ехр.
oH 4.00b	4.05	s.u.	±0.15 s.u.	P	1/		Geotech	2GC243	Mar-24
pH 7.00b	7.02	s.u.	±0.15 s.u.		1		Geotech	2GC931	Mar-24
pH 10.00b	9.90	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1025	μS/cm	±5%	1	-	-	Ricca	4205H64	May-24
Approx. every 4 h	s. unless only on							1,	
CCV (Continue			ation).		Time:	1447	7		
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	1.179	S.U.	±0.1 s.u.	10	///	N/A	MSI	L315-04	11/22/202
pH 7.00a	7.173	5.u.	±0.1 s.u.	1	1	14/11	MSI	L172-33	6/23/2023
pH 10.00a	10,05	s.u.	±0.1 s.u.	11			MSI	L354-22	1/5/2024
SC 1000	993	μS/cm	±5%				Ricca	2108D48	Jul-23
DO (Zero pt)	12.09	mg/L	±0.1 mg/L	++-			Macron	#000228049	8/26/2025
Turbidity (DI)	20	NTU	<2 NTU	++			Pace Labs	N/A (DI)	N/A (DI)
Арргох, every 4 h	s upless only on		NZ INTO	1			I ace caps	NA (DI)	IN/A (DI)
CCV (Continue		_	ation):	_	Time:		1		
			-	la de d		a the state of the	14	1 11	-
	Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading		Lot#	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		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:									
Signature:	Motive	. 16	Vh		Date:	16-Jun	25		

	Multiparameter Meter Field Calibration Checklist										
Field Personnel:	KY12 1	e//				Location:	DV	rck	Chek		
Weather:	38 +0.	57°	CLONDY	kin	1	Environment:	M	VODI	1 1	(00)	
Multiparameter	Water Meter	Make:	Petersors	Mod	el:	HOLINE	Seria	l Number:	10 The	140	FUTF
Water Lev	el Meter	Make:	SClinst	Mod	el:	101	Seria	l Number:	3362	16	
Buffer	Check Value	Units	Range	Pass/F	ail	Calibrate?	Adjuste	d Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	5.09	S.U.	±0.1 s.u.	P		Na	N	10	MSI	L344-09	12/14/2023
pH 7.00a	7,01	ş.u.	±0.1 s.u.	1	П		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)	20.56	μS/cm	0<25 μS/cm		T				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1990	μS/cm	±5%						Geotech	2GE1442	May-23
ORP	334	mν	±15 mV						InSitu	2G1762	Jun-23
DO (Zero pt)	0.09	mg/L	±0.1		\dashv				Macron	#000228049	8/26/2025
DO (Saturated)	0916	%	97-100%		\dashv	1			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	104	NTU	<2 NTU	\L	\neg		7	0	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr					_					1.4	1.77.142.17
	(Initial Calibra		erification\	_	7	Time:	09	36	*		
		6/1		D (5				. 20			
Buffer	Check Value	Units	Range	Pass/F	ail	Actio	n Taken?		Manufacturer	Lot#	Exp.
pH 4.00b	7,74	s.u.	±0.15 s.u.	P.	-	1	1		Geotech	2GC243	Mar-24
pH 7.00b	6.92	\$.U.	±0.15 s.u.	\vdash	-		-		Geotech	2GC931	Mar-24
pH 10.00b	(0.00	s.u.	±0.15 s.u.	1	4		1		Geotech	2GE820	May-24
SC 1000	961	μ5/cm	±5%	1	_		b		Ricca	4205H64	May-24
Approx. every 4 hr					_		-				
CCV (Continue	d Calibration	Verific	ation):			Time:	14	41	THE STATE OF THE S		
Buffer	Check Value	Units	Range	Pass/F	ail	Calibrate?	Adjuste	d Reading	Manufacturer	Lot#	Exp.
pH 4.00a		ş.u.	≠0.1 s.u.			1			MSI	1315-04	11/22/2023
pH 7.00a		S.U.	±0.1 s.u.						MSI	L172-33	6/23/2023
pH 10.00a		5.u.	±0.1 s.u.						MSI	1354-22	1/5/2024
SC 1000	2000	JS/cm	±5%						Ricca	2108D48	Jul-23
DO (Zero pt)		m/g/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)
Approx. every 4 ht	s, unless only on	e well				4					
CCV (Continue	d Calibration	Verific	ation):			Time:	14	42			
Buffer	Check Value	Units	Range	Pass/F	ail	Calibrate?		d Reading	Manufacturer	Lot#	Ехр.
4.00a	4.01	s.u.	±0.1 s.u.	1		Na	A	10	MSI	L315-04	11/22/2023
7.00a	0.98	s.u.	±0.1 s.u.			1			MSI	L172-33	6/23/2023
10.00a	10.04	s.u.	±0.1 s.u.					V.	MSI	L354-22	1/5/2024
SC 1000	997	μS/cm	±5%						Ricca	2108D48	Jul-23
DO (Zero pt)	0.04	mg/L	±0.1 mg/L	10		11			Macron		8/26/2025
Turbidity (DI)	1,15	NTU	<2 NTU	5		4			Pace Labs	N/A (DI)	N/A (DI)
Comments:		,	.)								
Signature:	Kul	11				Date:	-	16-	23		
	1										

make: Make: Make: Units s.u. s.u. µS/cm mV mg/L % NTU ly one welf libration V ue Units s.u. s.u. us/cm	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 25 μS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u. ±0.15 s.u. ±0.15 s.u.	Model: Pass/Fail Pass/Fail	Environment: USTO DENCE Calibrate? NO Time: Actio	44.00	YLAH	1.0t# 1.344-09 1.343-07 M082-04 N/A (DI) 1.6K328 2.6C827	
Make: ue Units s.u. s.u. s.u. µS/cm µS/cm mV mg/L % NTU y one welf libration V ue Units s.u. 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. ±0.15 s.u.	Model:	Time:	Serial Number Adjusted Reading	Manufacturer MSI MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs Pace Labs Pace Labs	1.0t# 1.344-09 1.343-07 M082-04 N/A (DI) 1.343-07 M082-04 N/A (DI) 1.343-07 1	Exp. 12/14/202 12/9/2023 3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025 N/A (DI) N/A (DI)
ue Units s.u. s.u. µs/cm mV mg/L % NTU y one welf libration V ue Units s.u. 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. ±0.15 s.u.	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer MSI MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs 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 N/A (DI) N/A (DI)
s.u. s.u. s.u. µS/cm µS/cm mV mg/L % NTU y one welf libration V ue Units s.u. s.u. 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 ±0.15 s.u. ±0.15 s.u.	G -	Time:	0950	MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs Pace Labs Manufacturer	I344-09 I343-07 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 N/A (DI) N/A (DI)
s.u. µS/cm µS/cm mV mg/L % NTU y one welf libration V ue Units 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. ±0.15 s.u.	Pass/Fail	Time:	0950	MSI MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs Pace Labs Manufacturer	L343-07 M082-04 N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI) / O P C	12/9/2023 3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025 N/A (DI) N/A (DI)
s.u. µS/cm µS/cm mV mg/L % NTU y one welf libration V ue Units s.u. 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. ±0.15 s.u.	Pass/Fail	Acțio		MSI Pace Labs Geotech InSitu Macron Pace Labs Pace Labs A-41 Manufacturer	M082-04 N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	3/25/2024 N/A (DI) Nov-22 Dec-22 8/26/2025 N/A (DI) N/A (DI)
μS/cm μS/cm mV mg/L % NTU y one well libration V ue Units s.u. s.u.	0<25 µS/cm ±5% ±15 mV ±0.1 97-100% <2 NTU erification) Range ±0.15 s.u. ±0.15 s.u.	Pass/Fail	Acțio		Pace Labs Geotech InSitu Macron Pace Labs Pace Labs A-H-1 Manufacturer	N/A (DI) 1GK328 2GC827 #000228049 N/A (DI) N/A (DI)	N/A (DI) Nov-22 Dec-22 8/26/2025 N/A (DI) N/A (DI)
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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL



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

June 02, 2023

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

RE: DC 23Q2

Dear Daryl Johnson:

Please find enclosed the **revised** analytical results for the **40** sample(s) the laboratory received on **5/9/23 5:05 pm** and logged in under work order **GE01867**. 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

GE01867

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
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Case Narrative

G08L water level below top of pump

ANALYTICAL RESULTS

Sample: GE01867-04

Name: G06S

Matrix: Ground Water - Grab

Sampled: 05/09/23 13:40

Received: 05/09/23 17:05

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
Soluble General Chemistry - PIA									
Solids - total dissolved solids (TDS)	600	mg/L		1		26	05/15/23 12:57	HRF	SM 2540C

Sample: GE02632-07 Name: G12S

Matrix: Ground Water - Grab

Sampled: 05/11/23 12:25

Received: 05/11/23 17:20

Parameter	Result	Unit	Qualifier	Dilution	MDL	MRL	Analyzed	Analyst	Method
<u>Field - PIA</u>									
pH, Field Measured	7.56	pH Units		1			05/11/23 12:25	FIELD	Field

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B333378 - No Prep - SM 2540C									
Blank (B333378-BLK1)				Prepared &	Analyzed: 05/	15/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B333378-BS1)				Prepared &	Analyzed: 05/	15/23			
Solids - total dissolved solids (TDS)	937	mg/L		1000		94	84.9-109		

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

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Sail of Schindler

TNI FRORATORI

Certified by: Gail Schindler, Project Manager

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

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

Section	Section A Required Client Information	Section B Required Protect Information:	Section C			<u> </u>	Page: 1	of	6
Company	d.	Report To: Brian Voelker	Attention: Jason Stuckey						
Address	iii 13498 E. 900th St	Copy To: Jason Stuckey	Company Name: Vistra Corp		REC	REGULATORY	AGENCY		
			Address: see Section A		NPDES GROUN	GROUND WATER	DRINKIN	DRINKING WATER	
Email To:	o: Brian Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:		UST RCRA		OTHER		
Phone:	(217) 753-8911 Fax:	Project Name:	Project Manager		Site Location	=			
Regu	Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #.		STATE:				
				Requested	Requested Analysis Filtered (Y/N)				
	Section D Valid Matrix Codes Required Client Information MATRIX CODE	(H9	Preservatives	↑ N /A					
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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
DUCK CREEK POWER PLANT, LANDFILL DC-257-204

REGULATORY AGENCY OTHER Page: GROUND WATER # RCRA STATE: Site Location NPDES UST CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Vistra Corp Jason Stuckey see Section A ompany Name: \ddress: Sopy To: Jason Stuckey Section B Required Project Information: Report To: Brian Voelker roject Number. 2285 urchase Order No. Project Name: Brian Voelker@VistraCorp com 10 day 13498 E. 900th St Vistra Corp Requested Due Date/TAT: (217) 753-8911 Section A Required Client Information:

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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204 GED1847gel

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

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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
DUCK CREEK POWER PLANT, LANDFILL
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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.

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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL

Φ (FE02632 Vmw 5-12-23 **DRINKING WATER** ъ REGULATORY AGENCY OTHER Page: GROUND WATER RCRA Requested Analysis Filtered (YIN) STATE: Site Location NPDES UST CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately Vistra Corp Jason Stuckey see Section A Company Name: Section C Attention: Address: Queta Reference: Project Maneger: Profile #: Copy To: Jason Stuckey Section B Required Project Information Report To: Brian Voelker roject Number: 2285 urchase Order No.: roject Name: Brian. Voelker@VistraCorp.com 10 day Fax: 13498 E. 900th St Requested Due Date/TAT: Vistra Corp (217) 753-8911 Section A Required Client Information: imail To:

CHAIN-OF-CUSTODY / Analytical Request Document

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL

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 CR DATE OC 848 205 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 anda Methanol Vistra Corp Jason Stuckey see Section A Preservatives COSSEN NaOH 10H ompany Name: 42SO4 (220) Sunts Project Manager: Profile #: beviesengnU TIME # OF CONTAINERS 2 SAMPLE TEMP AT COLLECTION Sulpes DATE 220 355 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
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DUCK CREEK POWER PLANT, LANDFILL Vrnu 5-12-3 Samples Intact (Y/V) a 6 Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER (V/V) N ъ Έ Custody ICP (Y/N) REGULATORY AGENCY 3 Received on OTHER Page: Residual Chlorine (Y/N) 60 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 9800 Methanol Company Name: Vistra Corp Jason Stuckey see Section A Preservatives Na₂S₂O₃ thing HOBM HCI Invoice Information: XXX EONH メメメ × × × × 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 1522 85-11 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 ح 2 0 SAMPLE TYPE (G=GRAB C=COMP) Purchase Order No.: 7 (Ree of seboo bilev ees) MATRIX CODE roject Name: Section B Section B Valid Matrix Codes ナウは DRINKING WATER WATER WASTE WASTE WASTE WASTE WASTE WASTE WASTE WASTE WILL WIPE AIR TISSIFE 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 15

APPENDIX A.

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ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

APPENDIX A. (F02127-23 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL SaigmaS (NYY) (DBIn) 6 Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Custody ealed Coole Received on Ice (Y/N) REGULATORY AGENCY OTHER i. 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 DC 842 502 NPDES UST DC 842 203 DC_845_201-202 DC_811_204 ACCEPTED BY / AFFILIATION DC_257_205 DC_257_204 DC_257_203 1 taeT sisylsnA1 1 N/A Some Other lonsiteM Company Name: Vistra Corp. Jason Stuckey see Section A _EO_SS_Sb/ Preservatives HOSV IDH Involce Informetion: X [€]ONH X X [⊅]OS^zH ¥ 1720 У Unpreserved TIME ttention: ĸ Quote Reference: Project Manager: Profile #: Address: S 7 õ # OF CONTAINERS 5/11/2 SAMPLER NAME AND SIGNATURE SAMPLE TEMP AT COLLECTION DATE 9 1251 1115 N COLECTED RELINQUISHED BY / AFFILIATION 5/11/23 5/11/23 5/11/23 DATE Required Project Information: Copy To: Jason Stuckey Report To: Brian Voelker 2285 ٥ e. SAMPLE TYPE (GAGRAB C=COMP) و Purchase Order No.: 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 WATER WAT 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

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Email To:

13498 E. 900th St

Vistra Corp

Required Client Information:

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ADDITIONAL COMMENTS

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APPENDIX A

DUCK CREEK POWER PLANT, LANDFILL

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Intect (Y/N) Project No./ Lab I.D. Samples SAMPLE CONDITIONS **DRINKING WATER** DRINKING WATER (N/A) Sealed Coc ъ Custody Ice (Y/N) REGULATORY AGENCY 8 OTHER Received on Residual Chlorine (Y/N) S O° ni qmaT Ь GROUND WATER GROUND WATER Qr.L DC_WPCP_203-206 RCRA OCC SUP 000 Requested Analysis Filtered Site Location OCTCFORNBETS01-505 5/11/13 OC_846_206 NPDES NPDES DATE Signed DS/// 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 eisylenA1 INA Methanol Company Name: Vistra Corp see Section A Jason Stuckey see Section A Preservatives _EO_SS_EBN HOEN 100 IOH Invoice information: 4NO3 × *OS*H Amendon: Section C TIME Unpreserved X Quale Reference: Project Meneger: Profile #: Address: **# OF CONTAINERS** SAMPLER NAME AND SIGNATURE 5/11/27 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 우 £ 2 2 7 ÷ \$ N 177 • ø œ 60 ITEM *

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Purchase Order No.:

Brian.Voelker@VistraCorp.com

Emall To:

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL 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 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 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 Nublesewed TIME 172 Carote 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.: 7 MATRIX CODE (see valid codes to loft) roject Name: Valid Matrix Codes DRINKING WATER
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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL

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APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204 **G06S** Purge Method: WELL/SAMPLE POINT Date: Start Time: Finish/Sample Time: Well Depth (Bottom) From MP: Min. Purge Volume: Gal / L Depth to Water From MP: Total Purge Volume: Gal/L Water Column Length: Max Drawdown: Well Water Volume: Gal / L Total Drawdown: pН Reading Time Depth Flow Rate Spec Cond Temp ORP DO Turb (Units) m∐min umhos/cm deg C S.U. m٧ mg/L NTU 1 1000 2 80 1000 1000 3 4 5 Stabilization NA NΑ NA ± 0.2 ± 3% ± 0.2 ± 20 ± 10% or 0.2 NA Field Meter: 01169 Well Integrity Yes No Well has ID sign Sample Appearance: Casing locked/secure Odor: None □ Slight □ Mod. □ Strong Well cap fits securely. Color □ None □ Slight Mod. □ Strong Good seal/drainage Turb: □ None **Strong** ☐ Slight □ Mod Well has weep holes **BOTTLE INFORMATION:** Unfiltered Filtered **Bottles** Qty Qty **Bottles** VOAs (C,V, 40mL, HCL) Metals (P,250mL, HNO3) VOAS (C,V, 40mL) Ammonia (P,250mL, H2S04) Organics (A,G,U 1000mL) General (P,500mL) 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) 2020

Final DTW:

Sampler's Signature:

Comments

20

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DUCK CreeK
DC-257-204

Date: \$\frac{5/11/2023}{202}\$ Start Time: \$\frac{1202}{1202}\$ Finish/Sample Time: \$\frac{1225}{1200}\$ Well Depth (Bottom) From MP:	Depth (Bottom) From MP:	State Stat	WELL/SAN	PLE POIN	т G1	128		Purge I	Method:	Desico	148 B14	the p.
Depth to Water From MP:	Depth to Water From MP:	Pepth to Water From MP:	Date:	5/11,	12023	Start Time:	1202					
Max Drawdown:	Water Column Length: ft Max Drawdown: ft Max Drawdown: ft ft ft Max Drawdown: ft ft ft ft Max Drawdown: ft	Valer Column Length: ft	Well Depth	(Bottom) Fr	rom MP:		ft		Min. Purge	Volume:	1000	Gal/L
Reading Time	Mell Water Volume:	Vell Water Volume: Gal Total Drawdown: I - O ft	Depth to W	ater From N	IP:	14.64	ft		Total Purge	Volume:	1000	Gal/L(n
Reading Time Depth Flow Rate pH Spec Cond Temp ORP DO Turb	Reading Time Depth Flow Rate pH Spec Cond Temp ORP DO Turb Multimin S.U. Umhos/cm deg C mV mg/L NTU 1 12-17 20-76 JOO 7.55 55 3 15-72 3-9 3.46 20 MU 20 12-14 20-70 IOO 7.56 658 J5-75 3-9 3.57 JR 20 JR 20-70 IOO 7.56 658 J5-75 3-9 3.57 JR 3.57	Reading Time	Nater Colu	mn Length:			ft		Max Drawo	down:	-	ft
Cunits ft. ml./min s.u. umhos/cm deg C mV mg/L NTU	(Units)	(Units)	Well Water	Volume:			Gal (L)		Total Drawd	own:	1.06	ft
1	1	1	Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
2 12 14 20.70 100 7.56 658 15.15 3 3.52 18 3 12.24 20.70 100 7.56 658 15.15 3 3.52 18 3 18 3 18 3 5 18 3 3 5 18 3 5 18 3 3 5 18 3 3 5 18 3 3 5 18 3 3 5 18 3 3 5 18 3 3 5 18 3 3 5 18 3 3 3 18 3 3 3 18 3 3 3 3 3 3 3 3 3	2 12.14 20.70 100 7.56 658 16.15 37 3.52 18.1 3 12.24 20.70 100 7.56 458 15.15 37 3.52 18.1 4 5 5 5 5 5 5 5 5 5	2 12 18 20 - 70 100 7.56 658 16.15 39 3.52 18 18 18 18 18 18 18 1	(Units)		ft.	mL/min						
3	3 12-14 29-10 100 7.5 15 15 10 18 3 57 148	3	1	1217	20,76	100	7.55	653	15.12	39	3.46	20K
3	3 12-24 70-10 100 7.5 15 15 10 18 3 57 148	3	2	1219	20.10	100	7.56	658	15.15	39	3.52	181
Stabilization	Stabilization	Stabilization NA	3	1221	20.10	100	7.56	655	1			
Stabilization	Stabilization	Stabilization	4		1			-	1			
Stabilization	Stabilization	Stabilization	5				1 3 3 3 5					
Sample Appearance: Odor:	Sample Appearance: Odor: None Sight Mod. Strong Color None Slight Mod. Strong God seal/drainage Furb: None Slight Mod Strong BOTTLE INFORMATION: Unfiltered Oty Bottles VOAs (C,V, 40mL, HCL) VOAs (C,V, 40mL, HCL) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) TOC (A,V 40mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, HNO3) Cyanide (P, 250mL, HNO3) Cyanide (P, 250mL, H2SO4) I General (P, 250mL, H2SO4) I General (P, 250mL, H2SO4) I General (P, 250mL, H2SO4) Final DTW: 20-70 ft	Well has ID sign Casing locked/secure Casing locked/secure Casi		NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Odor: □ None Slight □ Mod. □ Strong Color □ None □ Slight ☑ Mod. □ Strong Turb: □ None □ Slight ☑ Mod. □ Strong BOTTLE INFORMATION: Unfiltered ☐ Well has weep holes Qty Bottles ☐ Otypanics (C, V, 40mL, HCL) ☐ Otypanics (P, 250mL, HNO3) ☐ VOAS (C,V, 40mL) ☐ Organics (A, G, U 1000mL) ☐ Organics (A, G, U 500mL) ☐ Otypanics (P, 550mL, H2S04) ☐ TOC (A,V 40mL, H2SO4) ☐ Otypanics (P, 250mL, NaOH) ☐ Otypanics (P, 250mL, NaOH) ☐ Otypanics (P, 250mL) ☐ General (P, 250 mL) ☐ Otypanics (P, 250 mL) ☐ Otypanics (P, 250 mL) ☐ Otypanics (P, 250 mL)	Odor:	None Slight Mod. Strong Good seal/drainage Strong Go	Field Meter		Hor	ibn		-			Yes ~	No
Color	Color	Color	Sample App	earance:					Casing lock	ed/secure	1	
Color	Color	Color	Odor:	None	🛦 Slight 🗆	Mod. □	Strong		Well cap fits	securely.	1	
## Strick	## Stitle Information: Unfiltered Qty Bottles	## SOTTLE INFORMATION: Unfiltered Qty						-			1	
Unfiltered Qty Bottles Qty Bottles Metals (P,250mL, HNO3) Ammonia (P,250mL, HS04) General (P,500mL) General (P,500mL) Cyanide (P,250mL, H2S04) Cyanide (P,250mL, HNO3) Cyanide (P,250mL, NaOH) Phenols (A,G,250mL, H2SO4) Ceneral (P,250mL, H2SO4) Ceneral (P,250mL) Ceneral (P,250mL)	Unfiltered Gty Bottles Oty Bottles Metals (P,250mL, HNO3) Ammonia (P,250mL, H2S04) General (P,500mL) General (P,500mL) Otypanics (A,G,U 1000mL) Otypanics (A,G,U 500mL) Otypanics (A,G,U 500mL) Otypanics (A,G,U 500mL) Otypanics (A,G,U 500mL, H2SO4) Otypanics (P,250mL, H2SO4) Otypanics (P,250mL, NaOH) Otypanics (P,250mL, NaOH) Otypanics (P,250mL, H2SO4) Ot	Unfiltered Gty Bottles Oty Bottles Oty Bottles Oty Bottles Metals (P,250mL, HNO3) Organics (A,G,U 1000mL) Organics (A,G,U 500mL) Organics (A,G,U 500mL) Organics (A,G,U 500mL) Oty (A,G 250mL, H2SO4) Oty (A,G 250mL, H2SO4) Oty (A,G 250mL, HNO3) Oty (A,G,250mL, HNO3) Oty (A,G,250mL, H2SO4) Other (P, 250mL, NaOH) Other (P, 250mL, H2SO4) Other (P, 250mL, H2SO4) Other (P, 250mL) Other (Turb:	None [⊐ Slight 💆	Mod □	Strong	-	Well has we	ep holes	5	
Qty Bottles VOAs (C,V, 40mL, HCL) Metals (P,250mL, HNO3) VOAS (C,V, 40mL) Ammonia (P,250mL, H2S04) Organics (A,G,U 1000mL) General (P,500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, HNO3) Cyanide (P, 250mL, NaOH) Phenois (A,G,250mL, H2SO4) Final DTW;	Qty Bottles VOAs (C,V, 40mL, HCL) Metals (P,250mL, HNO3) VOAS (C,V, 40mL) Ammonia (P,250mL, H2S04) Organics (A,G,U 1000mL) General (P,500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, NaOH) Phenois (A,G,250mL, H2SO4) I General (P, 250 mL) Final DTW:	Qty Bottles VOAs (C,V, 40mL, HCL) Metals (P,250mL, HNO3) VOAS (C,V, 40mL) Ammonia (P,250mL, H2S04) Organics (A,G,U 1000mL) General (P,500mL) TOC (A,V 40mL, H2SO4) TOX (A,G 250mL, H2SO4) Metals (P,250mL, NaOH) Phenols (A,G,250mL, H2SO4) I General (P, 250 mL) Final DTW:	BOTTLE IN	FORMATIC	ON:							
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Phenois (A,G,250mL, H2SO4) / General (P, 250 mL) Final DTW: 20-70 ft	Phenois (A,G,250mL, H2SO4) General (P, 250 mL)	Phenois (A,G,250mL, H2SO4) General (P, 250 mL))						
General (P, 250 mL)	General (P, 250 mL) Final DTW: 20-70 ft	General (P, 250 mL) Final DTW: 20-70 ft										
Final DTW: 20-70 ft	Final DTW: 20-70 ft	Final DTW: 20-70 ft	1									
	Comments	Comments										
Continents			Commonto					Final	DTW:	20.7	O ft	
		Sampler's Signature:	comments									
		Sampler's Signature:										

Field Personnel:	Aluran	pe	mberlon		Location:	Duch	i cre	ek	
Weather:	620-75	.2 _ 1	mny usn	NE8	Environment:	grass,	trees.		
Multiparameter	Water Meter	Make:	AT	Model:	600	Serial Number:	762	193	
Water Lev	el Meter	Make:	Hear	Model:	DifferT	Serial Number:	37/7	-7	
Buffer	Check Value	Units	Range	Pass/Fall	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.14	s.u.	±0.1 s.u.	1	9e8	H100	MSI	L344-09	12/14/202
pH 7.00a	7.08	s.u.	±0.1 s.u.	P	yes	7.00	MSI	L343-07	12/9/2023
pH 10.00a	10.02	s.u.	±0.1 s.u.	P	VIS	10-00	MSI	M082-04	3/25/2024
SC Zero (DI)	10.85	μS/cm	0<25 μS/cm	P	Na	~	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	10198.7	μS/cm	±5%	0	No	-	Geotech	2GE1442	May-23
ORP	228.7	mV	±15 mV	p	MO	_	InSitu	261762	Jun-23
DO (Zero pt)	0.001	mg/L	±0.1	10	No	-	Macron		8/26/2025
DO (Saturated)	019.77	%	97-100%	b	No		Pace Labs	N/A (DI)	N/A (DI)
furbidity (DI)	0,00	NTU	<2 NTU	10	No		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr			121110		1-0				IN/A (UI)
	(Initial Calibr		orification)		T:	1)4 62	238 @1	8-6	
	,					0983			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.06	s.u.	±0.15 s.u.	R			Geotech	2GE870	Mar-24
pH 7.00b	6.93	s.u.	±0.15 s.u.	(Q)	_	1	Geotech	2GC931	Mar-24
pH 10.00b	01.94	s.u.	±0.15 s.u.	b			Geotech	2GE820	May-24
SC 1000	1019.7	μ\$/cm	±5%	10			Ricca	4207N97	Jul-24
Approx. every 4 hr	s, unless only on	e well							
CCV (Continue	d Calibration	Verific	ation):		Time:	1538			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	s.u.	±0.1 s.u.	0	NO	11/1	MSI	L344-09	12/14/202
pH 7.00a	7.04	s.u.	±0.1 s.u.	1	1	PV.	MSI	L343-07	12/9/2023
pH 10.00a	10.07	s.u.	±0.1 s.u.	17			MSI	M082-04	3/25/2024
SC 1000	1042-1	uS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)	0.00	mg/L	±0.1 mg/L				Macron		8/26/2025
Turbidity (Di)	0.00	NTU	<2 NTU	1		2	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr		-					1 400 1005	147 (20)	IN (OI)
CCV (Continue	· · · · · · · · · · · · · · · · · · ·		ation):		Time:		1		
Buffer				Docc/Fail		Adjusted Booding	Manufacturer	1 1 1 1 1	-
	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading		Lot#	Exp.
4.00a		\$.u,	±0.1 s.u.	-			MSI	1344-09	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
DO (Zero pt)		mg/L	±0.1 mg/L				Macron		8/26/2025
Turbidity (DI) Comments:		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
comments.									
			,/,	/					
Signature:	1	_	11/1	-	Date:	Cin	1202	200	
	/-	-	111 / 1			- 1//	1/7 ->	3	

Field Personnel:	JD				Location:	Vistra Duck	Creek		
Weather:	C3-78'F ,	Yeary w.	ind NE tomp	4	Environment:	DASS			
Multiparameter			Horsba		V-5000	Serial Number:	UHUIFUT	F	
Water Lev	el Meter	Make:	Heron	Model:	Dipper-T	10.	19FF22		
Buffer	Check Value	Units	Range	Pass/Fall	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	3,98	s.u.	±0.1 s.u.	Pass	No	NA	MSI	L344-09	12/14/202
oH 7.00a	6.71	S.U.	±0.1 s.u.	F-1	Yes	7.00	MSI	L343-07	12/9/2023
н 10.00а	10.05	5.u.	±0.1 s.u.	Pass	No	NA	MSI	M082-04	3/25/2024
C Zero (DI)	19	μS/cm	0<25 µS/cm	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
C 2000	1960	µ5/cm	±5%				Geotech	2GE1442	May-23
ORP	234	mV	±15 mV				InSitu	2G1762	Jun-23
OO (Zero pt)	0.08	mg/L	±0.1				Macron .	#000228049	8/26/2025
OO (Saturated)	98.1	96	97-100%				Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0.0	NTU	<2 NTU	11	1	Į	Pace Labs	N/A (DI)	N/A (DI)
opprox. every 4 hr								percon	Ind w (Dil)
	(Initial Calibr	_	erification)		Time:	1020	}		
			100	la /a /a				1	
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
H 4.00b	4.05	s.u.	±0.15 s.u.	10155		14	Geotech	2GE870	Mar-24
H 7.00b	6.85	S.U.	±0.15 s.u.	1			Geotech	2GC931	Mar-24
H 10.00b.	9,87	s.u.	±0.15 s.u.	12			Geotech	2GE820	May-24
SC 1000	979	μS/cm	±5%	1			Ricca	4207N97	Jul-24
Approx. every 4 hr									
CCV (Continue	d Calibration	Verific	ation):		Time:	1520			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	4,10	s.u.	±0.1 s.u.	1495	N.	NA	MSI	L344-09	12/14/202
H 7,00a	6,98	s.u.	±0.1 s.u.	1	1	1	MSI	L343-07	12/9/2023
H 10.00a	10,04	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
C 1000	1030	μS/cm	±5%				Ricca	4207N97	Jul-24
O (Zero pt)	0.09	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
urbidity (DI)	0.00	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
opprox. every 4 hr		ne well						7	1411(=1)
CCV (Continue			ation):		Time:		1		
				In/		Adlust - J D - 1	Manufic		-
	Check Value			Pass/Fail	Camprate?	Adjusted Reading		Lot#	Exp.
.00a		5.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
s00.0		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 NTU	±0.1 mg/L	-			Macron	#000228049	8/26/2025
urbidity (DI) omments:		NIU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Signature:	gm	4-	/ /		Date:	5/9/23			

Field Personnel	Brenda	G	lennon		Location:	Duck C.	-ek		
Weather	. 14	_	0	wa	Environment:	(eld		
Multiparamet	er Water Meter.	Make:	Ăτ	Model:	600	Serial Number:	762215)	
Water Le	vel Meter	Make:	Heron	Model:	200ft,	Serial Number:	19FF2		HB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	-Lot#	Exp.
pH 4.00a	4.10	s.u.	±0.1 s.u.	P	2	N/A	MSI	L344-09	12/14/202
pH 7.00a	6.98	5.U.	±0.1 s.u.	1	1	1	MSI	L343-07	12/9/2023
pH 10.00a	10,05	s.u.	±0.1 s.u.	1	1	1	MSI	M082-04	3/25/2024
SC Zero (DI)	2.332.1	µ5/cm	0<25 µS/cm	P	٧/	2009,5	Pace Labs	N/A (Dł)	N/A (DI)
SC 2000	18:30	μS/cm	±5%	P	2	NIA	Geotech	2GE1442	May-23
ORP	238.5	mV	±15 mV	1	.1	1	InSitu	2G1762	Jun-23
DO (Zero pt)	0.00	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	10.00	96	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.11	NTU	<2 NTU	+		7	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	nrs, unless only or	e well							
IC\	/ (Initial Calibr	ation V	erification)		Time:	0910			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.10	s.u.	±0.15 s.u.	D	14		Geotech	2GE870	Mar-24
pH 7.00b	6.90	s.u.	±0.15 s.u.	1	1		Geotech	2GC931	Mar-24
pH 10.00b	9,97	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1038.2	μS/cm	±5%	-			Ricca	4207N97	Jul-24
Anneau ougeu Ail	ers, unless only or	e well							
Approx. every 4-3						1 4 -	1		
		Verific	ation):		Time:	1516			
CCV (Continu	ed Calibration			Dace/Fail		1516	Manufacturer	Lotti	Evn
CCV (Continu Buffer	ed Calibration Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	lot#	Exp.
CCV (Continu Buffer pH 4.00a	ed Calibration Check Value	Units s.u.	Range ±0.1 s.u.	Pass/Fail	Calibrate?		MSI	L344-09	12/14/202
CCV (Continu 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	Calibrate?	Adjusted Reading	MSI MSI	L344-09 L343-07	12/14/202 12/9/202
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a	ed Calibration Check Value 4.00 7.00 9.95	Units S.u. s.u.	#20.1 s.u. #20.1 s.u. #20.1 s.u.	Pass/Fail	Calibrate?	Adjusted Reading	MSI MSI	L344-09 L343-07 M082-04	12/14/202 12/9/2023 3/25/2024
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000	ed Calibration Check Value 4.00 7.00 3.95	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	Calibrate?	Adjusted Reading	MSI MSI Ricca	L344-09 L343-07 M082-04 4207N97	12/14/202 12/9/202 3/25/202 Jul-24
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt)	ed Calibration Check Value 4.00 7.00 9.95	Units s.u. s.u. µS/cm mg/1	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L	Pass/Fail	Calibrate?	Adjusted Reading	MSI MSI Ricca Macron	L344-09 L343-07 M082-04 4207N97 #000228049	12/14/202 12/9/202 3/25/2024 Jul-24 8/26/202
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI)	Check Value U. 00 7.00 7.00 7.95 1090.4	Units s.u. s.u. µS/cm mg/1 NTU	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pass/Fail	Calibrate?	Adjusted Reading	MSI MSI Ricca	L344-09 L343-07 M082-04 4207N97	12/14/20 12/9/202 3/25/202 Jul-24
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 t	Check Value U. 10 7.00 9.95 1000.9 0.91 0.91 0.91 0.91	Units s.u. s.u. s.u. µS/cm mg/1 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	L344-09 L343-07 M082-04 4207N97 #000228049	12/14/202 12/9/202 3/25/2024 Jul-24 8/26/2029
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 h	Check Value U. (1) 7.00 7.00 9.95 10.00.4 0.41 brs, unless only or	Units s.u. s.u. s.u. µS/cm mg/1 NTU e well Verific	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	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI)	12/14/202 12/9/2023 3/25/2024 Jul-24 8/26/2029 N/A (DI)
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 l CCV (Continue Buffer	Check Value U. 10 7.00 9.95 1000.9 0.91 0.91 0.91 0.91	Units s.u. s.u. pS/cm mg/1 NTU e well Units	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation):	Pass/Fail	Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI)	12/14/202 12/9/2023 3/25/2024 Jul-24 8/26/2029 N/A (DI)
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 l CCV (Continue Buffer 4.00a	Check Value U. (1) 7.00 7.00 9.95 10.00.4 0.41 brs, unless only or	Units s.u. s.u. s.u. µS/cm mg/t NTU e well Verific Units 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.	£	Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI	L344-09 L343-07 M082-04 4207N97 #D00228049 N/A (DI) Lot# L344-09	12/14/202 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/202
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 l CCV (Continue Buffer 4.00a 7.00a	Check Value U. (1) 7.00 7.00 9.95 10.00.4 0.41 brs, unless only or	Units s.u. s.u. yS/cm mg/t NTU e 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	L344-09 L343-07 M082-04 4207N97 #D00228049 N/A (DI) Lot# L344-09 L343-07	12/14/202 12/9/2023 3/25/2024 Jul-24 8/26/2029 N/A (DI) Exp. 12/14/202 12/9/2023
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 l CCV (Continue Buffer 4.00a 7.00a 10.00a	Check Value U. (1) 7.00 7.00 9.95 10.00.4 0.41 brs, unless only or	Units s.u. s.u. s.u. pS/cm mg/t NTU e 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	L344-09 L343-07 M082-04 4207N97 #D0D228049 N/A (DI) Lot# L344-09 L343-07 M082-04	12/14/20: 12/9/202: 3/25/202: Jul-24 8/26/202: N/A (DI) Exp. 12/14/20: 12/9/202: 3/25/202:
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 I CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000	Check Value U. (1) 7.00 7.00 9.95 10.00.4 0.41 brs, unless only or	Units s.u. s.u. s.u. µS/cm mg/t NTU e well Verific Units s.u. s.u. µS/cm	Range ±0.1 s.u. ±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. ±5%	£	Calibrate?	Adjusted Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI MSI Ricca	L344-09 L343-07 M082-04 4207N97 #D0D228049 N/A (DI) Lot# L344-09 L343-07 M082-04 4207N97	12/14/202 12/9/2025 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/202 12/9/2023 3/25/2024 Jul-24
CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 If CCV (Continue Buffer 4.00a 7.00a 10.00a	Check Value U. (1) 7.00 7.00 9.95 10.00.4 0.41 brs, unless only or	Units s.u. s.u. s.u. pS/cm mg/t NTU e 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	L344-09 L343-07 M082-04 4207N97 #D0D228049 N/A (DI) Lot# L344-09 L343-07 M082-04 4207N97	12/14/20 12/9/202 3/25/202 Jul-24 8/26/202 N/A (DI) Exp. 12/14/20 12/9/202 3/25/202

PH 4.00a	Field Personnel:	Kylc	Lan	1		Location:	Duck G	reck		
Water Level Meter	Weather:	540 to	77	SUNNY		Environment:	Prh			
Suffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lottl! Exp Lottl Lot	Multiparameter	Water Meter	Make:	HoriBon	Model:	V-5001	Serial Number:	PW2 G	4503	
Description	Water Lev	el Meter	Make:	HUSON	Model:	Water	Serial Number:			
Description	Buffer		Units	Range	Pass/Fail	Calibrate?		Manufacturer	Lot#	Exp.
Most	H 4.00a	4,60	s.u.	±0.1 s.u.	IP	Na	Na	MSI	L344-09	12/14/202
CZERO (DI) 2	H 7.00a	7,01	s.u.	±0.1 s.u.			1	MSI	L343-07	12/9/2023
C 2000 D D D C D D D D D D	H 10.00a	9.96	5.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
DRP	C Zero (DI)	4	μS/cm	0<25 μ5/cm				Pace Labs	N/A (DI)	N/A (DI)
Macron M	C 2000	2,030	μS/cm	±5%				Geotech	2GE1442	May-23
DO (Saturated) 9 9.1 % 97-100% Pace Labs N/A (DI) N/A (DI) N/A (DI) N/A (DI) Which (DI) N/A (DI)	ORP	2/14	mV	±15 mV				In5itu	2G1762	Jun-23
Pace Labs N/A (DI) OO (Zero pt)	0.09	mg/L	±0.1				Macron	#000228049	8/26/2025	
Action Taken Acti	O (Saturated)	9 9.10	%	97-100%	10	10		Pace Labs	N/A (DI)	N/A (DI)
CV Continued Calibration Verification Colibrate Colibrate Colibrate Colibrate Colibration Colibr	urbidity (DI)	1.00	NTU	<2 NTU	0		6	Pace Labs		N/A (DI)
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp (44.00b) 7,97 s.u. ±0.15 s.u. ±0.15 s.u. Geotech 26E870 Mar-24 (47.00b) 1,97 s.u. ±0.15 s.u. ±0.15 s.u. Geotech 26E870 Mar-24 (47.00b) 1,97 s.u. ±0.15 s.u. Mar-24 (47.00b) 1,97 s.u. Mar-24 (47.00b) 1,97 s.u. ±0.15 s.u. Mar-24 (47.00b) 1,97 s.u. Mar-24 (47.00b) 1,97	pprox. every 4 hr	s, unless only on	e well					00.71		
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp (Geotech 26E870 Mar-24 H 10.00b	ICV	(Initial Calibr	ation V	erification)		Time:	ATTICKED BY	19.39		
H 4.00b	Buffer	Check Value	Units	Range	Pass/Fail	Action	n Taken?	Manufacturer	Lot#	Ехр.
H 10.00b	H 4.00b	3.98	s.u.	±0.15 s.u.	1	N	A	Geotech	2GE870	Mar-24
Rica 4207N97 Jul-24 Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time:	H 7.00b	6.99	S.U.	±0.15 s.u.				Geotech	2GC931	Mar-24
Supprox. every 4 hrs, unless only one well Supprox. every 4 hr	H 10.00b	4,42	5.U.	±0.15 s.u.				Geotech	2GE820	May-24
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp	C 1000	1040	µS/cm	±5%	10			Ricca	4207N97	Jul-24
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp SH 4.00a S.u.	Approx. every 4 hr	s, unless only or	e well		0					
Substitution Subs	CCV (Continue	d Calibration	Verifica	ation):		Time:	NA			
10	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp
SH 7.00a S.u. ±0.1 s.u. ±0.1 s.u. MSI 1343-07 12/9/26 MSI M082-04 3/25/26 MSI M082-04 3/25/26 MSI M082-04 3/25/26 MSI M082-04 3/25/26 MSI M3/25/26 MSI M3/25/26 MSI M3/25/26 MSI H 4.00a	1	5.U.	±0.1 s.u.	1		1				
Substitute Sub		1	s.u.	±0.1 s.u.	1	1	1	MSI		12/9/2023
C 1000		1	s.u.	±0.1 s.u.		1	1	MSI		3/25/2024
DO (Zero pt)	C 1000		μ\$/cm	±5%		1	1	Ricca		
NTU <2 NTU NTU <2 NTU Pace Labs N/A (DI) N/A (DI) N/A (DI)	O (Zero pt)	1		±0.1 mg/L				Macron		8/26/2025
Description		1	NTU		1	1	1	Pace Labs		
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp	pprox. every 4 hr	s, unless only on	e well							1
.00a	CCV (Continue	d Calibration	Verifica	ation):		Time:	15 38			
.00a	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
0.00a	.00a	4.04	5.U.	±0.1 s.u.	P					12/14/202
0.00a 9 9 5.U. ±0.1 s.U.		6.91	s.u.	±0.1 s.u.	1		1	MSI		12/9/2023
CC 1000			s.u.	±0.1 s.u.				MSI		3/25/2024
00 (Zero pt)	C 1000	1.030	μS/cm	±5%				Ricca		
urbidity (DI)). A NTU <2 NTU Pace Labs N/A (DI) N/A (DI) omments:	O (Zero ot)		mg/L	±0.1 mg/L	10	10		Macron	#000228049	8/26/2025
/vac	O (ECIO Pe)	1.0	UTN	<2 NTU	17	19	1	Pace Labs		N/A (DI)
	urbidity (DI)	(a					V			
	urbidity (DI)									
Signature: 2023	urbidity (DI)		_		_					

Field Personnel:	Jose	Re.	e of		Location:	Duck	Cre	et	
Weather:	Sunny	60-	15° wind	8mp	Environment:	Trave	Iraa	d	
Multiparameter	Water Meter	Make:	Horiba	Model:	U5000	Serial Number:	YL9K	JAH	A
Water Leve	el Meter	Make:	Solinst	Model:	101	Serial Number:	97/2	MZ	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	401	s.u.	±0.1 s.u.	P	N	1	MSI	L344-09	12/14/2023
H 7.00a	100	s.u.	±0.1 s.u.		-		MSI	L343-07	12/9/2023
он 10.00а	909	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
C Zero (DI)	a	μS/cm	0<25 µS/cm		1	1	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2020	μS/cm	±5%			1	Geotech	2GE1442	May-23
ORP	240	mV	±15 mV				In5itu	2G1762	Jun-23
OO (Zero pt)	0.05	mg/L	±0.1				Macron .	#000228049	8/26/2025
OO (Saturated)	900	%	97-100%		1	-	Pacé Labs	N/A (DI)	N/A (DI)
Furbidity (DI)	400	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hrs	s unless only or	5	121110				- dec Labs	IN/A (DI)	IN/A (DI)
					_ 7	RUC			
ICV	(Initial Calibr	ration v	erification)		Time:	777			Der.
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp:
oH 4.00b	4.00	5.4.	±0.15 s.u.	P	^	/	Geotech	2GE870	Mar-24
oH 7.00b	7.01	s.u.	±0.15 s.u.		7		Geotech	2GC931	Mar-24
он 10.006	10.00	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1000	μ5/cm	±5%	7			Ricca	4207N97	Jul-24
Approx. every 4 hr.	s, unless only or	ne well							
CCV (Continue	d Calibration	Verific	ation):		Time:	1537			
Buffer	Check Value	Units	Range	Pass/Fail	Callbrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	400	S.U.	±0.1 s.u.	P	11	1	MSI	L344-09	12/14/2023
pH 7.00a	700	s.u.	±0.1 s.u.	1-1	-		MSI	L343-07	12/9/2023
oH 10.00a	4.91	5.u.	±0.1 s.u.		-1		MSI	M082-04	3/25/2024
SC 1000	1010	µS/cm	±5%			1	Ricca	4207N97	Jul-24
	0.00	mg/L	±0.1 mg/L			1	Macron	#000228049	8/26/2025
	0.0	NTU	<2 NTU		1	1	Pace Labs	N/A (DI)	N/A (DI)
DO (Zero pt)			VZ 1010		-		Tuce cops	14/74 (61)	IN/A (DI)
Turbidity (DI)	c uniose only of	llaw on							
Turbidity (DI) Approx. every 4 hr			ntion):	- 1	Time		1		
Turbidity (DI)		Verific	ation):		Time:		\		
Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer		Verific Units	Range	Pass/Fail	Time:	Adjusted Reading		Lot#	Ехр.
Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a	d Calibration	Verific Units s.u.	Range ±0.1 s.u.	Pass/Fail		Adjusted Reading	MSI	L344-09	12/14/2023
Turbidity (Di) Approx. every 4 hr. CCV (Continue Buffer 4.00a 7.00a	d Calibration	Units s.u.	£0.1 s.u. ±0.1 s.u.	Pass/Fail		Adjusted Reading	MSI MSI	L344-09 L343-07	12/14/2023 12/9/2023
Approx. every 4 hr. CCV (Continue Buffer 4.00a 7.00a	d Calibration	Units s.u. s.u. s.u.	#0.1 s.u. #0.1 s.u. #0.1 s.u.	Pass/Fail		Adjusted Reading	MSI MSI MSI	L344-09 L343-07 M082-04	12/14/2023 12/9/2023 3/25/2024
Approx. every 4 hr. CCV (Continuer Buffer 4.00a 7.00a 10.00a	d Calibration	Verific Units s.u. s.u. s.u. u5/cm	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pass/Fail	Calibrate?	Adjusted Reading	MSI MSI MSI Ricca	L344-09 L343-07 M082-04 4207N97	12/14/2023 12/9/2023 3/25/2024 Jul-24
Approx. every 4 hr. CCV (Continue Buffer 4.00a 7.00a	d Calibration	Units s.u. s.u. s.u.	#0.1 s.u. #0.1 s.u. #0.1 s.u.	Pass/Fail		Adjusted Reading	MSI MSI MSI	L344-09 L343-07 M082-04	12/14/2023 12/9/2023 3/25/2024

Weather: 73° - 74°	Field Personnel:	Hard	· A	mberton		Location:	Duck	1 cree	A	
Water Level Meter Make: Horigin Model: U Scho Serial Number: U U I T T T	Weather:	73"- 74	OL 51	unny Win		Environment:				
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# End Lot Lot Lot End Lot	Multiparameter					U Sara	0	,	EV T	-
Det A.00a Det O Det	Water Levi	el Meter	Make:	Heron	Model:	Dipart	Serial Number:			
Def 7.00	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
10 17 10 10 10 10 10 10	off 4.00a	400	s.u.	±0.1 s.u.	0	ND	NA	MSI	L344-09	12/14/202
MID 1000a 10	H 7.00a	7.01	s.u.	±0.1 s.u.	1	,	1	MSI	L343-07	12/9/2023
Column C	H 10.00a	10,00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
Company Comp	C Zero (DI)	18	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
DRP	C 2000	2000	µ5/cm	±5%				Geotech		May-23
20 (Zero pt) 0;	ORP		mV	±15 mV				InSitu		Jun-23
Pace Labs M/A (DI) N/A (Exprised) O/O NTU < 2 NTU Pace Labs N/A (DI) N/A (Exprised) O/O NTU < 2 NTU Pace Labs N/A (DI) N/A (Exprised)	OO (Zero pt)	0.00	mg/L							
Pace Labs N/A (DI) N/A (Exprox. every 4 hrs, unless only one well CV (Initial Calibration Verification)		014.87	+	97-100%				Pace Labs		N/A (DI)
Time: CAUS Calibration		0.0	NTU	<2 NTU	1	1	1			N/A (DI)
CV (Initial Calibration Verification) Time: C A U S Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Eb H 4.00b H 20 S S L 10.15 S L			ne well			-				14)14 (61)
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Ep. H 4.00b L 3 S.u. ±0.15 s.u.				erification)		Time	MAULE	23462	1 6	
H 4.00b H 0.07 S.u. ±0.15 s.u.			, ,		In(r.:1)			10. (
10 10 10 10 10 10 10 10					Pass/Fail					Exp.
10.00b			-		P.					Mar-24
Section Sect			_							Mar-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# Exp. 147.00a										May-24
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Export Expo				±5%				Ricca	4207N97	Jul-24
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Experiment Ex			_					1		
DH 4.00a	CCV (Continue	d Calibration	Verifica	ation):		Time:	15 50			
Determinant	Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
SH 7.00a	H 4.00a	4,05	s.u.	±0.1 s.u.	P	NA	N/A	MSI	L344-09	12/14/202
Sum H 7.00a	7,07	s.u.	±0.1 s.u.	1//		1	MSI	L343-07	12/9/2023	
Color Colo	H 10.00a	10.03	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
Pace Labs N/A (DI) N/A (DI)	C 1000	1010	μS/cm	±5%				Ricca	4207N97	
Turbidity (DI)	OO (Zero pt)	0.00	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Buffer Check Value Units Range Pass/Fall 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 MSI L343-07 12/9/2 MSI MSI MO82-04 3/25/2 MSI MO82-04 3/25/2 MSI MO82-04 3/25/2 MSI MO82-04 4207N97 Jul-24 MSI MSI MSI MSI MO82-04 3/25/2 MSI MSI MSI MO82-04 3/25/2 MSI MSI MSI MO82-04 3/25/2 MSI MSI MSI MSI MO82-04 3/25/2 MSI MSI MSI MSI MO82-04 3/25/2 MSI	urbidity (DI)	0.0	NTU	<2 NTU	1	L	2	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, 1.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2 1.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 1.00a μS/cm ±5% Ricca 4207N97 Jul-24 1.00a μS/cm ±0.1 mg/L Macron #000228049 8/26/2 1.00a NTU <2 NTU	Approx. every 4 hr	s, unless only or	e 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, 1.00a s.u. ±0.1 s.u. MSI L343-07 12/9/2 1.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 1.00a μS/cm ±5% Ricca 4207N97 Jul-24 1.00a μS/cm ±0.1 mg/L Macron #000228049 8/26/2 1.00a NTU <2 NTU	CCV (Continue	d Calibration	Verifica	ation):		Time:		1		
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 1.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 1.00 (2000) μS/cm ±5% Ricca 4207N97 Jul-24 1.00 (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2 1.01 (urbidity (DI) NTU <2 NTU					Dace/Foil		Adjusted Beeding	Manufactures	1	-
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 10.00a μS/cm ±5% Ricca 4207N97 Jul-24 10 (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2 1 (urbidity (DI) NTU <2 NTU		CHECK VAIUE			Pass/Fall	Candrater	Adjusted Reading			Exp.
10.00a s.u. ±0.1 s.u. MSI M082-04 3/25/2 3/25/2 μS/cm ±5% Ricca 4207N97 Jul-24 3/25/2 μS/cm ±0.1 mg/L Macron #000228049 8/26/2 5/2 (Turbidity (DI) NTU <2 NTU			-		-					12/14/202
CC 1000 μS/cm ±5% Ricca 4207N97 Jul-24 CO (Zero pt) mg/L ±0.1 mg/L ±0.1 mg/L Macron #000228049 8/26/2 Furbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI) N/A (DI)										12/9/2023
DO (Zero pt) mg/L ±0.1 mg/L Macron #000228049 8/26/2 Furbidity (DI) NTU <2 NTU										3/25/2024
Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (CI										
										8/26/2025
Attinicaes.	HEDIWILA 113H		NIU	₹2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Signature: 1 Date: 5/11/2023										

Field Personnel:	50					Location:	Ves	tra Duck	Crak		
Weather:	70-75° F	M, SHAR	y wind SE 10	1-14-1	4	Environment:	gres	5			
Multiparameter		Make:	Aquetroll	Mod		600	Se	rial Number:	762215		
Water Lev	el Meter	Make:	Heren	Mod	lel:	Differ-T	· Še	rial Number:	IFF 220	9305 ML	
Buffer	Check Value	Units	Range	Pass/	Fail	Calibrate?	Adjus	ted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	3.81	s.t.	±0.1 s.u.	Ful		Yes	1	4,00	MSI	L344-09	12/14/202
pH 7.00a	6,95	5.U.	±0.1 s.u.	045	5	N _E		NA	MSI	L343-07	12/9/2023
oH 10.00a	9,95	S.U.	±0.1 s.u.	1				1	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	1964,5	μS/cm	±5%						Geotech	2GE1442	May-23
ORP	237.4	mV	±15 mV						InSitu	2G1762	Jun-23
DO (Zero pt)	0.07	mg/L	±0.1	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		1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr										1.4(2.4	14,114,017
	(Initial Calibr		erification)			Time:	n'	739			
				Doce /	Fail		Take		Manufactures	Later	-
Buffer	Check Value	Units	Range	Pass/		ACTIO		n r	Manufacturer	Lot#	Exp.
pH 4.00b	4.63	s.u.	±0.15 s.u.	44.55	_		NA		Geotech	2GE870	Mar-24
pH 7.00b	6.89	S.U.	±0.15 s.u.	++	_		-		Geotech	2GC931	Mar-24
pH 10.00b	9,92	S.U.	±0.15 s.u.	++	_		+	-	Geotech	2GE820	May-24
SC 1000	992.10	μS/cm	±5%	1	_		4		Ricca	4207N97	Jul-24
Approx. every 4 hr									1		
CCV (Continue	d Calibration	Verific	ation):			Time:		541			
Buffer	Check Value	Units	Range	Pass/	Fail	Calibrate?	Adjus	ted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,08	s.u.	±0.1 s.u.	Ors	5	N _o		NA	MSI	L344-09	12/14/202
pH 7.00a	7:10	s.u.	±0.1 s.u.	11		1		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	971.18	μS/cm	±5%						Ricca	4207N97	Jul-24
DO (Zero pt)	0.07	mg/L	±0.1 mg/L						Macron	#000228049	8/26/2025
Turbidity (Dt)	0,00	NTU	<2 NTU	I		1		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			Pass/	(Eail	Calibrate?	Adhe	ted Reading	Manufacturer	Lotti	Euro
	CHECK ABING	S.u.	±0.1 s.u.	r 0.55/	1 011	Completes	nuju	ven vegouig	MSI	Lot# L344-09	12/14/202
4.00a 7.00a		S.U.	±0.1 s.u.	+					MSI	L344-09	12/9/2023
10.00a		5.0.	±0.1 s.u.	1	-		-		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	-				-	Macron	#000228049	8/26/2025
Turbidity (DI)		NTU	<2 NTU	+					Pace Labs	N/A (DI)	N/A (DI)
Comments:		NIU	121010		_				Irace raos	IN/A (UI)	N/A (DI)
.omments:											
	7		-	_			_				
a	June	9	1. 1			Date:		11/23			
Signature:	16	1/	A /			uate:		11.1-5			

	Mult	ipar	ameter N	/leter	Field Co	libration	Checklis		
Field Personnel:	Kyle (an	2		Location:	Duck c	ruk		
Weather:	: 69"	SV	MY		Environment:	Dry			
Multiparamete		Make:	11/20	Model:	U-5008	Serial Number:	PW26	4503	
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	NA	NA	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	m۷	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)	(1.08	mg/L	±0.1	1			Macron .	#000228049	8/26/2025
DO (Saturated)	97.10	%	97-100%	1	1		Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	130	NTU	<2 NTU	10	10	-	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	re unless only on		121010	1		10	race Lous	INA (DI)	IV/A (DI)
			ifi-ation1		7:	09:41			
	(Initial Calibration			1	Time:	U. I			
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3,98	5.U.	±0.15 s.u.	P	/	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	s.u.	±0.15 s.u.	1		4	Geotech	2GE820	May-24
SC 100D	1,010	μS/cm	±5%	b		9	Ricca	4207N97	Jul-24
Approx. every 4 h	rs, unless only on	e well							
CCV (Continue	d Calibration	Verific	ation):		Time:	Na			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	7	5.U.	±0.1 s.u.	1	7	/	MS	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			Ricca	4207N97	Jul-24
DO (Zero.pt)	/	mg/L	±0.1 mg/L	1	/	1	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		, ,	-	-			3 - 1 - 1
CCV (Continue			ation):		Time:	6.04			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	4.05	S.U.	±0.1 s.u.	P	NA	Na	MSI	L344-09	12/14/2023
7.00a	7.04	5.U.	±0.1 s.u.		1	1	MSI	L343-07	12/9/2023
10.00a	10.88	s.ŭ.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	1040	μS/cm	±5%				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: Λ	10								
Signature:	Moly	ul	·		Date:	5-11-	2-3		-

	William	.pui	umeter n	nete:	rieid Cu	libration	CHECKIIS	y'·	
Field Personnel:	Joe	Re	ed		Location:	Dek	Cre	ek	
Weather:	69-8	90	wind	9-10-	Environment:	Graval	Roga		
Multiparameter	arameter Water Meter Make: Horiba Mode		Model:	U-5000	Serial Number:	YL9 KJ9HA			
Water Levi	el Meter	Make:	Solinst	Model:	101	Serial Number:	P7/LM2		,
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	L344-09	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	5.U.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC Zero (DI)	0.0	μS/cm	0<25 μS/cm			1	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 .		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 on	e well				`			
	(Initial Calibr		erification)		Time:	955			
Buffer	Check Value	Units		Pass/Fail		n Taken?	Manufacturar	1540	-
	3.99	-	Range	FdSS/Fall	ACTIO	ii takent	Manufacturer Geotech	Lot#	Exp.
pH 4.00b		s.u.	±0.15 s.u.	-	-/-		-	2GE870	Mar-24
pH 7.006	7.00	5.U.	±0.15 s.u.		-		Geotech	2GC931	Mar-24
pH 10.00b SC 1000	9.96	s.u. µ5/cm	±0.15 s.u.				Ricca	2GE820 4207N97	May-24
Approx. every 4 hr	1000		17.6				Itticca	42071197	Jul-24
			nein-le		41	1112	1		
CCV (Continue			ation):		Time:	1617			
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	10	1	MSI	L344-09	12/14/2023
pH 7.00a	7.01	s.u.	±0.1 s.u.			-	MSI	L343-07	12/9/2023
pH 10.00a	19.00	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
SC 1000	990	μS/cm	±5%			1	Ricca	4207N97	Jul-24
DO (Zero pt)	0.05	mg/L	±0.1 mg/L			_	Macron		8/26/2025
Turbidity (DI)	00	NTU	<2 NTU	-	4		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	12/14/2023
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
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)		UTN	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI) Comments: Signature:	Ooak	MTU	Rad		Date:	5/11	Pace Labs	N/A (DI)	N/A (DI)

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL



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 GG04129

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 GG04630

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: GG03019-01 Name: G04S

Matrix: Ground Water - Grab

Sampled: 07/18/23 13:38 **Received:** 07/18/23 17:16

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	17	mg/L	Q4	07/19/23 18:54	5	5.0	07/19/23 18:54	CRD	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		07/19/23 17:56	1	0.250	07/19/23 17:56	CRD	EPA 300.0 REV 2.1
Sulfate	250	mg/L	Q4	07/19/23 19:13	50	50	07/19/23 19:13	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	18.24	Feet		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Dissolved oxygen, Field	4.6	mg/L		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Oxidation Reduction Potential	120	mV		07/18/23 13:38	1	-500	07/18/23 13:38	FIELD	Field*
pH, Field Measured	7.15	pH Units		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Specific Conductance, Field Measured	890.0	umhos/cm		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Temperature, Field	60.1	°F		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Measured Temperature, Field	15.6	°C		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Measured Turbidity, Field Measured	66.8	NTU		07/18/23 13:38	1	0.00	07/18/23 13:38	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	300	mg/L		07/20/23 09:16	1	10	07/20/23 09:16	CPS	SM 2320B 1997*
CaCO3 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 -	PIA								
Solids - total dissolved solids (TDS)	780	mg/L		07/21/23 09:53	1	26	07/21/23 11:16	MKH	SM 2540C
Total Metals - PIA									
Boron	18	ug/L		07/19/23 09:56	5	10	07/21/23 11:38	JMW	EPA 6020A
Calcium	140	mg/L	Q4	07/19/23 09:56	5	0.20	07/20/23 14:03	JMW	EPA 6020A
Magnesium	61	mg/L	Q4	07/19/23 09:56	5	0.10	07/20/23 14:03	JMW	EPA 6020A
Potassium	0.63	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:03	JMW	EPA 6020A
Sodium	9.6	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:03	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GG03019-02 **Name:** G04S DUP

Matrix: Ground Water - Field Duplicate

Sampled: 07/18/23 13:38 **Received:** 07/18/23 17:16

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	17	mg/L		07/19/23 19:52	5	5.0	07/19/23 19:52	CRD	EPA 300.0 REV 2.1
Fluoride	0.258	mg/L		07/19/23 19:33	1	0.250	07/19/23 19:33	CRD	EPA 300.0 REV 2.1
Sulfate	240	mg/L		07/19/23 20:11	50	50	07/19/23 20:11	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	18.24	Feet		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Dissolved oxygen, Field	4.6	mg/L		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Oxidation Reduction Potential	120	mV		07/18/23 13:38	1	-500	07/18/23 13:38	FIELD	Field*
pH, Field Measured	7.15	pH Units		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Specific Conductance, Field	890.0	umhos/cm		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Measured Temperature, Field Measured	60.1	°F		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Temperature, Field	15.6	°C		07/18/23 13:38	1		07/18/23 13:38	FIELD	Field*
Measured Turbidity, Field Measured	66.8	NTU		07/18/23 13:38	1	0.00	07/18/23 13:38	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 - P	<u>IA</u>								
Solids - total dissolved solids (TDS)	730	mg/L		07/21/23 09:53	1	26	07/21/23 11:16	MKH	SM 2540C
Total Metals - PIA									
Boron	18	ug/L		07/19/23 09:56	5	10	07/21/23 11:42	JMW	EPA 6020A
Calcium	160	mg/L		07/19/23 09:56	5	0.20	07/20/23 14:07	JMW	EPA 6020A
Magnesium	68	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:07	JMW	EPA 6020A
Potassium	0.79	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:07	JMW	EPA 6020A
Sodium	11	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:07	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GG03019-05 Name: G06S

Matrix: Ground Water - Grab

Sampled: 07/18/23 15:21 **Received:** 07/18/23 17:16

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	5.9	mg/L		07/19/23 20:31	1	1.0	07/19/23 20:31	CRD	EPA 300.0 REV 2.1
Fluoride	0.291	mg/L		07/19/23 20:31	1	0.250	07/19/23 20:31	CRD	EPA 300.0 REV 2.1
Sulfate	140	mg/L		07/19/23 21:48	25	25	07/19/23 21:48	CRD	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	21.94	Feet		07/18/23 15:21	1		07/18/23 15:21	FIELD	Field*
Dissolved oxygen, Field	3.0	mg/L		07/18/23 15:21	1		07/18/23 15:21	FIELD	Field*
Oxidation Reduction Potential	156	mV		07/18/23 15:21	1	-500	07/18/23 15:21	FIELD	Field*
pH, Field Measured	7.05	pH Units		07/18/23 15:21	1		07/18/23 15:21	FIELD	Field*
Specific Conductance, Field	963.0	umhos/cm		07/18/23 15:21	1		07/18/23 15:21	FIELD	Field*
Measured Temperature, Field Measured	18.6	°C		07/18/23 15:21	1		07/18/23 15:21	FIELD	Field*
Temperature, Field	65.5	°F		07/18/23 15:21	1		07/18/23 15:21	FIELD	Field*
Measured Turbidity, Field Measured	8240	NTU		07/18/23 15:21	1	0.00	07/18/23 15:21	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as CaCO3	400	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 - P	<u>PIA</u>								
Solids - total dissolved solids (TDS)	670	mg/L		07/21/23 09:53	1	26	07/21/23 11:16	MKH	SM 2540C
Total Metals - PIA									
Boron	65	ug/L		07/19/23 09:56	5	10	07/21/23 11:45	JMW	EPA 6020A
Calcium	400	mg/L		07/19/23 09:56	5	0.20	07/20/23 14:11	JMW	EPA 6020A
Magnesium	210	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:11	JMW	EPA 6020A
Potassium	12	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:11	JMW	EPA 6020A
Sodium	8.4	mg/L		07/19/23 09:56	5	0.10	07/20/23 14:11	JMW	EPA 6020A

ANALYTICAL RESULTS

Sample: GG04129-05 Name: G12S

Matrix: Ground Water - Grab

Sampled: 07/24/23 13:35

Received: 07/24/23 17:42

		Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	19	mg/L		07/26/23 06:26	10	10	07/26/23 06:26	TMS	EPA 300.0 REV 2.1
Fluoride	0.362	mg/L		07/26/23 06:06	1	0.250	07/26/23 06:06	TMS	EPA 300.0 REV 2.1
Sulfate	100	mg/L		07/26/23 20:12	25	25	07/26/23 20:12	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	23.06	Feet		07/24/23 13:35	1		07/24/23 13:35	JD	Field*
Dissolved oxygen, Field	3.3	mg/L		07/24/23 13:35	1		07/24/23 13:35	JD	Field*
Oxidation Reduction Potential	-58.9	mV		07/24/23 13:35	1	-500	07/24/23 13:35	JD	Field*
pH, Field Measured	7.43	pH Units		07/24/23 13:35	1		07/24/23 13:35	JD	Field*
Specific Conductance, Field	665.0	umhos/cm		07/24/23 13:35	1		07/24/23 13:35	JD	Field*
Measured Temperature, Field	16.9	°C		07/24/23 13:35	1		07/24/23 13:35	JD	Field*
Measured Temperature, Field	62.5	°F		07/24/23 13:35	1		07/24/23 13:35	JD	Field*
Measured Turbidity, Field Measured	65.3	NTU		07/24/23 13:35	1	0.00	07/24/23 13:35	JD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	240	mg/L		08/04/23 09:45	1	10	08/04/23 09:45	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L		08/04/23 09:45	1	10	08/04/23 09:45	CPS	SM 2320B 1997*
Soluble General Chemistry - Pl	<u> A</u>								
Solids - total dissolved solids (TDS)	470	mg/L		07/28/23 10:45	1	26	07/28/23 14:16	MKH	SM 2540C
Total Metals - PIA									
Boron	17	ug/L		07/26/23 08:54	5	10	07/28/23 15:29	TJJ	EPA 6020A
Calcium	67	mg/L		07/26/23 08:54	5	0.20	08/01/23 13:48	wjm	EPA 6020A
Magnesium	37	mg/L		07/26/23 08:54	5	0.10	08/01/23 13:48	wjm	EPA 6020A
Potassium	0.34	mg/L		07/26/23 08:54	5	0.10	08/01/23 13:48	wjm	EPA 6020A
Sodium	5.7	mg/L		07/26/23 08:54	5	0.10	08/01/23 13:48	wjm	EPA 6020A

ANALYTICAL RESULTS

Sample: GG04129-08 Name: G09S

Matrix: Ground Water - Grab

Sampled: 07/24/23 11:21 **Received:** 07/24/23 17:42

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	18	mg/L		07/26/23 07:04	10	10	07/26/23 07:04	TMS	EPA 300.0 REV 2.1
Fluoride	< 0.250	mg/L		07/26/23 06:45	1	0.250	07/26/23 06:45	TMS	EPA 300.0 REV 2.1
Sulfate	52	mg/L		07/26/23 07:04	10	10	07/26/23 07:04	TMS	EPA 300.0 REV 2.1
Field - PIA									
Depth, From Measuring Point	20.86	Feet		07/24/23 11:21	1		07/24/23 11:21	JD	Field*
Dissolved oxygen, Field	0.83	mg/L		07/24/23 11:21	1		07/24/23 11:21	JD	Field*
Oxidation Reduction Potential	36.8	mV		07/24/23 11:21	1	-500	07/24/23 11:21	JD	Field*
pH, Field Measured	6.84	pH Units		07/24/23 11:21	1		07/24/23 11:21	JD	Field*
Specific Conductance, Field	819.4	umhos/cm		07/24/23 11:21	1		07/24/23 11:21	JD	Field*
Measured Temperature, Field	15.8	°C		07/24/23 11:21	1		07/24/23 11:21	JD	Field*
Measured Temperature, Field	60.5	°F		07/24/23 11:21	1		07/24/23 11:21	JD	Field*
Measured Turbidity, Field Measured	694	NTU		07/24/23 11:21	1	0.00	07/24/23 11:21	JD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	390	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	<u>PIA</u>								
Solids - total dissolved solids (TDS)	520	mg/L		07/28/23 10:45	1	26	07/28/23 14:16	MKH	SM 2540C
Total Metals - PIA									
Boron	22	ug/L		07/26/23 08:54	5	10	07/28/23 14:39	TJJ	EPA 6020A
Calcium	100	mg/L		07/26/23 08:54	5	0.20	08/01/23 12:17	wjm	EPA 6020A
Magnesium	58	mg/L		07/26/23 08:54	5	0.10	08/01/23 12:17	wjm	EPA 6020A
Potassium	1.5	mg/L		07/26/23 08:54	5	0.10	08/01/23 12:17	wjm	EPA 6020A
Sodium	11	mg/L		07/26/23 08:54	5	0.10	08/01/23 12:17	wjm	EPA 6020A

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ANALYTICAL RESULTS

Sample: GG04417-08 Name: G15S

Matrix: Ground Water - Grab

Sampled: 07/25/23 10:31

Received: 07/25/23 17:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	12	mg/L		07/27/23 06:21	10	10	07/27/23 06:21	TMS	EPA 300.0 REV 2.1
Fluoride	0.330	mg/L		07/27/23 06:01	1	0.250	07/27/23 06:01	TMS	EPA 300.0 REV 2.1
Sulfate	43	mg/L		07/27/23 06:21	10	10	07/27/23 06:21	TMS	EPA 300.0 REV 2.1
<u>Field - PIA</u>									
Depth, From Measuring Point	31.75	Feet		07/25/23 10:31	1		07/25/23 10:31	FIELD	Field*
Dissolved oxygen, Field	3.2	mg/L		07/25/23 10:31	1		07/25/23 10:31	FIELD	Field*
Oxidation Reduction Potential	249	mV		07/25/23 10:31	1	-500	07/25/23 10:31	FIELD	Field*
pH, Field Measured	6.17	pH Units		07/25/23 10:31	1		07/25/23 10:31	FIELD	Field*
Specific Conductance, Field	756.0	umhos/cm		07/25/23 10:31	1		07/25/23 10:31	FIELD	Field*
Measured Temperature, Field Measured	19.5	°C		07/25/23 10:31	1		07/25/23 10:31	FIELD	Field*
Temperature, Field	67.1	°F		07/25/23 10:31	1		07/25/23 10:31	FIELD	Field*
Measured Turbidity, Field Measured	123	NTU		07/25/23 10:31	1	0.00	07/25/23 10:31	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	340	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 - P	<u>IA</u>								
Solids - total dissolved solids (TDS)	480	mg/L		08/01/23 09:40	1	26	08/01/23 11:00	MKH	SM 2540C
Total Metals - PIA									
Boron	< 10	ug/L		07/27/23 09:21	5	10	08/09/23 16:39	TJJ	EPA 6020A
Calcium	93	mg/L		07/27/23 09:21	5	0.20	08/07/23 16:40	TJJ	EPA 6020A
Magnesium	47	mg/L		07/27/23 09:21	5	0.10	08/07/23 16:40	TJJ	EPA 6020A
Potassium	0.39	mg/L		07/27/23 09:21	5	0.10	08/07/23 16:40	TJJ	EPA 6020A
Sodium	12	mg/L		07/27/23 09:21	5	0.10	08/08/23 17:24	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 Measured	571.4	umhos/cm		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Temperature, Field Measured	61.8	°F		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
Temperature, Field Measured	16.6	°C		07/25/23 14:35	1		07/25/23 14:35	FIELD	Field*
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 CaCO3	440	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 Anions - PIA									
Sulfate, Dissolved	< 1.0	mg/L		07/26/23 22:56	1	1.0	07/26/23 22:56	TMS	EPA 300.0 REV 2.1
Soluble General Chemistry - PIA	<u> </u>								
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

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QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPI Lim
Batch B338951 - SW 3015 - EPA 6020A									
Blank (B338951-BLK1)			Prepared: 07/19/23 Analyzed: 07/21/23						
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 (B338951-BS1)				Prepared: 0	7/19/23 Anal	yzed: 07/21/23	3		
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	019-01		Prepared: 0	7/19/23 Anal	yzed: 07/21/23	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	019-01		Prepared: 0	7/19/23 Anal	yzed: 07/21/2	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 B339127 - IC No Prep - EPA 300.0 REV 2.1									
Matrix Spike (B339127-MS1)	Sample: GG030		Prepared &						
Fluoride	1.68	mg/L		1.500	0.249	95	80-120		
Chloride	1.0E9	mg/L	Q4	1.500	17	NR	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	250	NR	80-120		
Matrix Spike Dup (B339127-MSD1)	Sample: GG030	019-01	Prepared & Analyzed: 07/19/23						
Sulfate	1.00E9	mg/L	Q4	1.500	250	NR	80-120	0	20
Fluoride	1.72	mg/L		1.500	0.249	98	80-120	2	20
Chloride	1.0E9	mg/L	Q4	1.500	17	NR	80-120	0	20
Batch B339129 - No Prep - SM 2320B 1997									
Duplicate (B339129-DUP3)	Sample: GG030	019-01		Prepared &	Analyzed: 07	/20/23			
Alkalinity - bicarbonate as CaCO3	312	mg/L			300			4	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				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)				Prepared &	Analyzed: 07	/21/23			
Solids - total dissolved solids (TDS)	977	mg/L		1000		98	84.9-109		

QC SAMPLE RESULTS

				Spike	Source		%REC		RPD	
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Limi	
Duplicate (B339216-DUP1)	Sample: GG030	Sample: GG03019-01				/21/23				
Solids - total dissolved solids (TDS)	760	mg/L			775			2	5	
Duplicate (B339216-DUP2)	Sample: GG030	19-11		Prepared &						
Solids - total dissolved solids (TDS)	610	mg/L			625			2	5	
Batch B339564 - SW 3015 - EPA 6020A										
Blank (B339564-BLK1)				Prepared: 0	7/26/23 Anal	yzed: 07/28/2	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 (B339564-BS1)				Prepared: 0	7/26/23 Anal	yzed: 07/28/2	3			
Boron	663	ug/L		555.6		119	80-120			
Calcium	5.11	mg/L		5.556		92	80-120			
Magnesium	5.77	mg/L		5.556		104	80-120			
Potassium	5.43	mg/L		5.556		98	80-120			
Sodium	5.34	mg/L		5.556		96	80-120			
Matrix Spike (B339564-MS1)	Sample: GG041	-								
Boron	23800	ug/L	Q4	555.6	23500	68	75-125			
Calcium	212	mg/L	Q4	5.556	211	22	75-125			
Magnesium	102	mg/L	Q4	5.556	98.9	53	75-125			
Potassium	12.9	mg/L		5.556	7.69	94	75-125			
Sodium	173	mg/L	Q4	5.556	173	6	75-125			
Matrix Spike Dup (B339564-MSD1)	Sample: GG041	Sample: GG04129-01				Prepared: 07/26/23 Analyzed: 07/28/23				
Boron	24200	ug/L	Q4	555.6	23500	129	75-125	1	20	
Calcium	211	mg/L	Q4	5.556	211	NR	75-125	0.6	20	
Magnesium	101	mg/L	Q4	5.556	98.9	42	75-125	0.6	20	
Potassium	12.8	mg/L		5.556	7.69	93	75-125	0.6	20	
Sodium	173	mg/L	Q4	5.556	173	NR	75-125	0.3	20	
Batch B339593 - IC No Prep - EPA 300.0 REV	<u>2.1</u>									
Matrix Spike (B339593-MS1)	Sample: GG041	Sample: GG04129-01			Prepared & Analyzed: 07/25/23					
Sulfate	1.00E9	mg/L	Q4	1.500	391	NR	80-120			
Chloride	1.0E9	mg/L	Q4	1.500	330	NR	80-120			
Matrix Spike (B339593-MS2)	Sample: GG041	29-11		Prepared &	Analyzed: 07	/25/23				
Sulfate	1.00E9	mg/L	Q4	1.500	150	NR	80-120			
Fluoride	1.85	mg/L		1.500	0.230	108	80-120			
Chloride	1.0E9	mg/L	Q4	1.500	18	NR	80-120			
Matrix Spike Dup (B339593-MSD1)	Sample: GG041	Sample: GG04129-01			Prepared & Analyzed: 07/25/23					
Sulfate	1.00E9	mg/L	Q4	1.500	391	NR	80-120	0	20	
Chloride	1.0E9	mg/L	Q4	1.500	330	NR	80-120	0	20	
Matrix Spike Dup (B339593-MSD2)	Sample: GG041	29-11		Prepared &						
Sulfate	1.00E9	mg/L	Q4	1.500	150	NR	80-120	0	20	
Fluoride	1.85	mg/L		1.500	0.230	108	80-120	0.04	20	
Chloride	1.0E9	mg/L	Q4	1.500	18	NR	80-120	0	20	

Batch B339705 - SW 3015 - EPA 6020A

QC SAMPLE RESULTS

				Spike	Source		%REC		RPI
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Lim
Blank (B339705-BLK1)				Prepared: 0	7/27/23 Anal	yzed: 08/09/2	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 (B339705-BS1)				Prepared: 0	7/27/23 Anal	yzed: 08/09/2	3		
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	117-01		Prepared: 07/27/23 Analyzed: 08/09/23			3		
Boron	826	ug/L	Q1	555.6	472	64	75-125		
Calcium	290	mg/L	Q4	5.556	289	18	75-125		
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: GG04417-01			Prepared: 0	7/27/23 Anal	yzed: 08/09/2	3		
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	117-01		Prepared &	Analyzed: 07	/26/23			
Chloride	4.5	mg/L		1.500	2.8	115	80-120		
Sulfate	1.00E9	mg/L	Q4	1.500	347	NR	80-120		
Matrix Spike Dup (B339730-MSD1)	Sample: GG044	117-01		Prepared &	Analyzed: 07				
Chloride	4.4	mg/L		1.500	2.8	113	80-120	0.9	20
Sulfate	1.00E9	mg/L	Q4	1.500	347	NR	80-120	0	20
Batch B339731 - IC No Prep - EPA 300.0 REV 2.1									
Matrix Spike (B339731-MS1)	Sample: GG044	117-01		Prepared &	Analyzed: 07	/26/23			
Sulfate	1.00E9	mg/L	Q4	1.500 347 NR			80-120		
Matrix Spike Dup (B339731-MSD1)	Sample: GG044	117-01		Prepared &	Analyzed: 07	/26/23			
Sulfate	1.00E9	mg/L	Q4	1.500	347	NR	80-120	0	20
Batch B339834 - No Prep - SM 2540C									
Blank (B339834-BLK1)				Prepared &	Analyzed: 07	/28/23			
Solids - total dissolved solids (TDS)	< 17	mg/L							
LCS (B339834-BS1)				Prepared &	Analyzed: 07	/28/23			
Solids - total dissolved solids (TDS)	963	mg/L		1000		96	84.9-109		
Duplicate (B339834-DUP1)	Sample: GG041	129-01		Prepared &	Analyzed: 07	/28/23			
Solids - total dissolved solids (TDS)	1760	mg/L		1840				4	5
Duplicate (B339834-DUP2)	Sample: GG041	129-11		Prepared & Analyzed: 07/28/23					
Solids - total dissolved solids (TDS)	630	mg/L		r ropareu o	635	, 20, 20		0.8	

QC SAMPLE RESULTS

				Spike	Source		%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Limi
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	17-01		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				
Solids - total dissolved solids (TDS)	785	mg/L	М		810			3	5
Batch B340448 - No Prep - SM 2320B 1997									
Duplicate (B340448-DUP1)	Sample: GG04129-01			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	29-11		Prepared &	Analyzed: 08	/04/23			
Alkalinity - bicarbonate as CaCO3	400	mg/L			388			3	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B340448-DUP3)	Sample: GG041	29-14	Prepared & Analyzed: 08/04/23						
Alkalinity - bicarbonate as CaCO3	500	mg/L			488			3	10
Alkalinity - carbonate as CaCO3	< 10	mg/L			ND				10
Duplicate (B340448-DUP4)	Sample: GG044	117-01		Prepared &	Analyzed: 08	/04/23			
Alkalinity - carbonate as CaCO3									10
Alkalinity - Carbonate as CaCO3	< 10	mg/L			ND				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.
- 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



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 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		0341	12.22		22
G02D	DC-G02&D	204	LF		0944	22.04	TD = 68.48"	20
G03L	DC-G031L	204	LF		0934	8.68	10 = 26,80'	20
G03S	DC-G03#S	204	LF		0929	8.33		20
G04L	DC-G04!L	204	LF		1327	15.42	dry	MM
G04S	DC-G04#S	204	LF		1329	18.27		MU
G06L	DC-G06!L	204	LF		1232	21.80		30
G065	DC-G06#S	204	LF		1230	22,02		ZO
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		1141	22.72		20
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		30
G16L	DC-G16IL	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	1	1515	26.38		JD

SAR-3: Episodic Depth to Groundwater Measurements

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

Plant: DO

Event: DC-23Q3 Rev 0

Welf	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		at
G53L	DC-G53IL	203	GMF		11:56	11.98		KL
G53S	DC-G53#S	203	GMF		11:59	13.70		KL
G55L	DC-G55!L	203	GMF		1532	19,38		20
G55S	DC-G55#S	203	GMF		1531	19.18		30
G56L	DC-G561L	203	GMF		9:36	18.15	10=25.43	KL
G56S	DC-G56#S	203	GMF		933	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		Nij
G66S	DC-G66#S	203	GMF		10:46	13.01		Nw
G67L	DC-G67!L	203	GMF		10:55	11.45		NU
G67S	DC-G67#S	203	GMF		10:58	12.33		NW
G68L	DC-G68!L	203	GMF	1	11:41	11.97		NW

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 Numi	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		0955	24.48		Nu
G72L	DC-G72!L	203	GMF		1005	22.40	TO= 28.02	NA
G73L	DC-G73!L	203	GMF		1025	25.53		Nw
L103	DC-L103	204	LF		1515	1.10		AP
OM05S	DC-OM05#S	202	AP1/ 2		1463	18.00	TD = 25.76	AP
OM08	DC-OM08	202	AP1/ 2		1348	14.85	70 = 26.94	AP
ОМ09	DC-OM09	202	AP1/ 2		1259	4.68		AP
OM10	DC-OM10	202	AP1/ 2		100	-	not safe to access	AP
OM15	DC-OM15	202	AP1/ 2		1437	21.60	10= 51.17	Ap
OM22S	DC-OM22#S	202	AP1/ 2		1057	41.79 19.31		BG
OM23S	DC-OM23#S	201- 202	AP1/ 2		1235	57/95 4174	t 6246.10	AP
OM25D	DC-OM25&D	201- 202	AP1/ 2		1317		TD= 77.39	AD
OR03S	DC-OR03#S	202	AP1/ 2		1045	2/165 45.62		BG
OR05D	DC-OR05&D	202	AP1/ 2		1400	16. 21.65	to= 49.74	AP
OR14S	DC-OR14#S	202	AP1/ 2		1337	6,82	TO= 24.33	AP
OR18	DC-OR18	201- 202	AP1/ 2		०१५५	17132	to= 5310	AP
P01L _	DC-P011L	204	LF		951	10.38	TD = 23.35 '	32
P01S	DC-P01#S	204	LF	7	०१५५	10.13	TD= 29.71'	ID

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 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	TU= 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	6.96 11.17	TD=13,07 10 2112123	20
P36S	DC-P36#S	204	LF		1302		70:31.43	20
P36D	DC-P36&D	204	LF		1310	11.57	10=51.38	30
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	70 = 20.44	20
P40S	DC-P40#S	204	LF		1401	9.54	15 = 35 .42°	20
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		1216	5.88	to= 24.30 well is Knocked over	Nu
P42S	DC-P42#S	204	LF	1	1218	5.73	TO= 31.47	NW

APPENDIX A.

ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

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
P42I1	DC-P42\$I1	204	LF	7/17/23	1536	6.02	10: 42.22	KL
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	NW
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	th= 20.46	KL
P64	DC-P64	203	GMF		1103	14.71	TD= 8.92	KL
R10L	DC-R10!L	204	LF		1154	21.93	27.45= 10	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	1	1238	6.69		20
T44L	DC-T44!L	204	LF		1243	11,00		30
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		530	6.99	Dry	AP
				1				

U:6/19/23 GKJ

APPENDIX A. ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

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	nit Nam	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
------	-----------	---------	------	------	---	----------	----------

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.

	$\overline{}$
	Rev
DC	DC-23Q3
Plant:	Event:

	slatini	KL	K	KL	K,	7	K	F	Z,	3	K	KL	ア	7	FL	X	KL	잣	20
	Comments		battonies																
	Batt (H/M/L)	n	I	I	エ	×	I	7	H	8	4	I	H	I	I	I	I,	I	#
	Data down- loaded?	7	>	~	>	7	>	7	Y	7	7	8	2	15	2	2	2	2	7
On-site Transducer Data	WL Reading on Transducer (ft)	174.21	5,06.	173.38	57834	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 On Isrie2 School	765	125	165	ryes	745	yes	425	\$	425	425	225	326	525	524	529	6.66	524	465
	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)	15.79	12.02	Dry	10.48	Dry	6.99	2136	25.07	10.47	15,44	15.33	22.37	23,56	22,26	12.20	24.63	22.83	24,18
	Time	ifos	1111	1056	1340	1009	1249	1332	1534	1316	1314	13.32	13:41	337	13:4	13.54	13:51	13:58	1504
	Date	7/24/23	1/25/13	1/24	7/8/123	7/24	7/24/23	7/1/23	7(24/23	7/25/27	7/27	16/1	7/31	12K	7/31	7/31	7/31	7131	7/25/23
	Эты Vame	BAB	BAB	BAB	BAB	BAB	BAB	BAB .	BAB	느	GMF								
	Մոiէ Number	205	202	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#5	DC-G64!L	DC-G64#S
	Well	BA01	BA02	BA02L	BA03	8AG3L	BA04	BA05	BA06	G02S	9208	G51S	G54L	G54S	G57S	GEOL	G60S	G64L	G64S

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

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

	sleitinI	del	20	d's	캎	B	an	All	R	K	K	36	4	A	क	30	2	35	5
	Corriments	TO-27.83 Mg	D35.38	10,29.97		10=4340	replaced bytheres	72-60.57	-4		broken/called		TD 22.28	7.0	10-68.01	TD- 25,65	TD = 41.63		
	Batt (H/M/L)	H	H	H	I	I	7	1	I	N	1	I	H	I	H	I	×	8	#
	Data down- loaded?	105	783	50%	35	52	yes.	Jes .	Yes	1/25	NO	7es	yes	105	725	705	70%	469	yes
On-site Transducer Data	W£ Reading on Transducer (ft)	587 11511 1885	587.37	584.12	176.17	-580,61	1	8518.77	E450.085	34.76	broken	570,79	S95,0210	5831947	586,37	581,23	564.59	588.75	58915
On-site Ira	Does Data Logger Serial No. Strbs	yes	Yes	501	526	tes	165	yes	Yes	Ves	1465	tes	res	Yer	705	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)	12.06	20.00	12,41	17.3V	24.50	13,66	10.80	18-85	38.54	05/1	96:15	6.19	Hu. AU	21,21	14,07	31.84		
	Time	10(0	1050	Shot	15:11	1130	1330	1527	1105	1222	330	1251	12 up	14 (0)	£ 401	1202	0/10/	1385	747
	Date	7/20/23	7/25/23	7/26/23 1045	11:31 (27/21)	7/24/23 1/30	7/24/23 1330	2/10/12	7/19/23 1105	201-API/ 7/P1/23	7/27/23	7/2/23	7/20/13	7/20/23	7/25/23	201- AP1/ 7/26/23 1202	7/25/13 1000		7/26/23 742
	Unit Name		AP1/ 2	201-AP1/ 202 2	201- AP1/ 202 2	201- AP1/ 202 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/	201- AP1/ 202 2	AP1/	AP1/ 2	AP1/ 2	AP1/	AP1/ 2	201 AP1/ 202 2	201-AP1/ 202 2
	Unit Number	201-	201-AP1/ 202 2	201-	201- 202	201	201-	201	201-	201- 202	201- AP1/ 202 2	201-	201- 202	201-	201· 202	201- 202	201-	201	201-
	Unique ID	DC-OM01	DC-OM04#S	DC-DM07	DC-OM12	DC-OM16		DC-OM21	DC-OM22&D		DC-OM24&D	DC-OM25#S	DC-OR02	80	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

Page 3 of 3

9					On-site Tra	On-site Transducer Data				
Measured Time Depth to Water (ft bmp)		Measu Depth Wate (ft br	red to er op)	Data Logger Serial No.	Does Data Logger Serial No. Match?	WL Reading on Transducer (ft)	Data down- loaded?	Batt (H/M/L)	Comments	slaitini
3 1431 10,52	1/24/23 1431 10.5	5'01	4	21615611	yes	588.34	×	7		
3 1210 25,99		25,6	19	21615634	705	571.76	X	T		38
3 936 21.95		21.95	1	21615610	Yes	1,535-	7	I	TD=52,55 TO	200

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-23Q3 Rev 0

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORFECTIVE COLOR REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

	C-237-204		00				71.	//	P. a
WELL/SAM	1	G 0	25		Purge N	Method:	V 1ag	der 1	unp
Date:	7/25/	123	Start Time:	132	.5	Finish/Sa	ample Time:	143	5
Well Depth	(Bottom) Fro	m MP:	pomp	ft		Min. Purge	Volume:		Gal
Depth to Wa	ater From MF	P:	1947	ft		Total Purge	Volume:	1.3	Gal(L)
Water Colu	mn Length:			ft		Max Drawo	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)	1334	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	757141	16.56	-126.9	0.07	1.17
	-	1111	100	1	2711.11	10000		0.07	100
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		1	T 60	0					
Field Meter:			160	0	-	Well Integr		Yes	No
						Well has ID		1	
Sample App						Casing lock	ed/secure		
Odor: 🔎	None 🗆	Slight	Mod. □	Strong		Well cap fits	s securely.	1	
Color	None □	Slight	Mod. □	Strong		Good seal/o	frainage	X	
Turb:	None 🗆	Slight	Mod □	Strong		Well has we	en holes	2	
1010.	1.0.0	- J				770			
BOTTLE IN	FORMATIO	N:							
		Itered]		Filt	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	10mL, HCL)			1	Metals (P,250	0mL, HNO3)		
	VOAS (C,V,	40mL)					250mL, H2S0	4)	
	Organics (A,0					General (P,5	00mL)		
	Organics (A,				3	TOC			
3	TOC (A,V 40								
		0mL, H2SO4)					-		
	Metals (P,250								
	+	250mL, NaOH) 6,250mL, H2S0							
1	General (P. 2		34)						
	Rad	7.56							
	7154.15	2.1.				100	1. 0	2	
				•	Final	DTW:	11.8) ft	
	~	-							
Comments	Terro	US Iron	1- Ove	rrange					
				J-		Λ.	1 1		
					(Las	71 200	Karl		
			Sampler's S	ignature:	10	JAN 1	July		
					11	1			

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORPORTIVE COLUMN REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

WELL/SAN	PLE POINT	G0	48		Purge f	Method:	Delse	uled be	alte-
Date:	7/18	12023	Start Time:	1233	3	Finish/S	ample Time	13.38	
Well Depth	(Bottom) Fro	om MP:		ft		Min. Purge	Volume:		Gal / L
Depth to W	ater From Mi	P.	18.24	ft		Total Purge	Volume:	1000	Gal/L ML
Water Colu	mn Length:		~	ft		Max Drawo	down:	_	ft
Well Water	Volume:		~	Gal / L		Total Drawd	lown:	0.20	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)		ft.	mL/min	s.u.	umhos/cm	deg C	m۷	mg/L	NTU
1	1246	18.42	100	7-16	891	15.61	120.2	4-64	60.55
2	1248	18.42	100	7.14	888	15.50	120-1	4.66	59.52
3	1250	18.43	100	7.15	890	15.62	120,2	4.62	66.76
4									
5									~
Stabilization	NA NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter	:	_A7	600		-	Well Integr		Yes	No
Sample App	noarance:					Well has ID Casing lock		1	-
				•				1	_
	_			Strong	-	Well cap fits	s securely.	1	
Color D	None E	kSlight □	Mod. □	Strong	-0 ()	Good seal/o	drainage	1	
Turb:	None 5	¢Slight □	Mod □	Strong		Well has we	eep holes	1	
BOTTLE IN	IFORMATIO	N:							
	Unfi	tered		(21)		Filt	ered		
Qty	Bottles			(313)	Qty	Bottles			
	VOAs (C,V, 4					Metals (P,250			
	VOAS (C,V,				1.1	Ammonia (P,			
	Organics (A,		-		141	General (P,54	HILL), 100	mL.	
_	Organics (A,0								
		0mL, H2SO4)							
1+1	Metals (P,250								
		250mL, NaOH)							
		,250mL, H2S0							
IH	General (P, 2		OWL						
	Sie	1 0.	plicale	6		DTW:	18.4	PLF ft	
Comments	1 1 1	0 1	SV 1 4- 1- 1/1 V		- 12				
Comments	Vik	(8 70	VI CLO		-,-0				
Comments			Victor			^		des	

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE OFFICE REPORT DUCK CREEK POWER PLANT, LANDFILL DC-257-204

	IPLE POINT		68		Purge N	fethod:	Wed 2 CA	rkt B	laston
Date:	7/18	12023	Start Time:	144	2	Finish/S	ample Time:	1521	
Well Depth	(Bottom) Fro	om MP;	_	ft		Min. Purge	Volume:	_	Gal / L
Depth to Wa	ater From M	P:	21.94	ft		Total Purge	Volume:	1000	Gal/Lone
Water Colu	mn Length:			ft		Max Drawo	lown:		ft
Well Water	Volume:			Gal / L		Total Drawd	own:	0.00	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	ingu	21.45	100	7.07	961	18.64	1563	3.23	7,514.8
2	1456	21.45	100	7.06	962	18,56	156.3	3.09	7642.1
3	1458	21.45	100	7.05	963	18-60	156.3	3.64	8239.5
4									
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
	10	Λ	71-						
Field Meter:			7600		_	Well Integri		Yes	No
						Well has ID		1	
Sample App	pearance:					Casing lock	ed/secure	1	
Odor:	None [Slight 쯎	Mod. □	Strong		Well cap fits	securely.	1	
Color [None [Slight [2	tMod. □	Strong		Good seal/c	Irainage	1	
Turb:	None 🗆	I Slight □	Mod 🕸	Strong	_	Well has we	ep holes	1	
DOTTI E IN	FORMATIO	NI.							
BUILLEIN	IFORMATIO					Ella	ered		1
	116			12	·	FIRE	erea		
04.	Unfi	itered	_		VI Ohr	Pottles			
Qty	Bottles			0	Qty	Bottles	m! HNO3)		
Qty	Bottles VOAs (C,V,	40mL, HCL)		6	Qty	Metals (P,250		4)	
Qty	VOAs (C,V,4	40mL, HCL) 40mL)		6		Metals (P,250 Ammonia (P,	250mL, H2S0		
Qty	VOAs (C,V, 4 VOAS (C,V, 4 Organics (A,4	40mL, HCL) 40mL) G,U 1000mL)		6	Qty	Metals (P,250	250mL, H2S0	4)	
Qty	VOAS (C,V, 4 VOAS (C,V, 4 VOAS (C,V, 4 Organics (A,4 Organics (A,4	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL)		6		Metals (P,250 Ammonia (P,	250mL, H2S0		
Qty	VOAs (C,V, 4) VOAS (C,V, 4) Organics (A, 4) Organics (A, 7) TOC (A,V 40)	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4)		0		Metals (P,250 Ammonia (P,	250mL, H2S0		
Qty	Pottles VOAs (C,V, 4 VOAS (C,V, 0 Organics (A, 0 TOC (A,V 40 TOX (A,G 25	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4)		(2)		Metals (P,250 Ammonia (P,	250mL, H2S0		
Qty	Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A, Organics (A,V 40 TOX (A,G 25 Metals (P,25)	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) ImL, H2SO4) 60mL, H2SO4) 0mL, HNO3)		(2)		Metals (P,250 Ammonia (P,	250mL, H2S0		
Qty	Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A, 6 Organics (A, 7 TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, 2	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH		(2)		Metals (P,250 Ammonia (P,	250mL, H2S0		
Qty	Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A, 6 Organics (A, 7 TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, 2	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH		(3)		Metals (P,250 Ammonia (P,	250mL, H2S0		
1	Bottles VOAs (C,V, 4 VOAS (C,V, 6 Organics (A, 6 Organics (A, 7 TOC (A,V 40 TOX (A,G 25 Metals (P,25) Cyanide (P, 25) Phenols (A, 6)	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH) O4)	(2)		Metals (P,250 Ammonia (P,	250mL, H2S0		
1	Bottles VOAs (C,V, 4 VOAS (C,V, 6 Organics (A, 6 Organics (A, 7 TOC (A,V 40 TOX (A,G 25 Metals (P,25) Cyanide (P, 25) Phenols (A, 6)	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH) O4)	(3)		Metals (P,250 Ammonia (P,	250mL, H2S0		
1	Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A, 6 Organics (A, 7 TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, 2 Phenols (A,G General (P, 4	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH 6,250mL, H2SO	04) 000 NL	Prae	Final	Metals (P,250 Ammonia (P, General (P,80	250mL, H2S0 70mL) 100	GH ft	
(Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A, 6 Organics (A, 7 TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, 2 Phenols (A,G General (P, 4	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH	04) 000 NL	prige 2		Metals (P,250 Ammonia (P, General (P,80	250mL, H2S0 70mL) 100	GH ft	
(Bottles VOAs (C,V, 4 VOAS (C,V, 4 Organics (A, 6 Organics (A, 7 TOC (A,V 40 TOX (A,G 25 Metals (P,25 Cyanide (P, 2 Phenols (A,G General (P, 4	40mL, HCL) 40mL) G,U 1000mL) G,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH 6,250mL, H2SO	04) 000 NL	grege ~	Final	Metals (P,250 Ammonia (P, General (P,80	250mL, H2S0 70mL) 100	GH ft	

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL
DUCK CREEK
DC-257-204

WELL/SAM	IPLE POINT	G0	19S		Purge I	Method:	dedi	cated	pump
Date:	7/24	123	Start Time:	10:21	4	Finish/S	ample Time	11:2	
Well Depth	(Bottom) Fro	om MP:		ft		Min. Purge	Volume:	1.0	Gal (C)
Depth to Wa	ater From Mi	P:	20.86	ft		Total Purge	Volume:	1,6	Gal (C)
Water Colu	mn Length:		23.24	ft		Max Drawo	down:		ft
Well Water	Volume:		14.0	Gal		Total Drawd	own:	1.74	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	10 44	22.15	100	1088	808.86	15.80	10.8	137	1313.10
2	10:45	22.23	100	6.84	1810:78	15.86	19.00	1.17	1099.60
3	10:40	22.52	100	10.84	811.56	15.77	29.2	0.90	1092.7
4	10:48	22.40	(00)	10.83	BIS 03	15 10	35.7	0.99	916.17
5	1050	22.59	(00)	684	819.35	15.81	36.8	0.83	693.67
Stabilization	NA	NA .	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:		Parias	troll u	200		Mari Indon	4.		
Field Weter.		TIGOU	n on o			Well Integri Well has ID		Yes/	No
Sample App	earance:					Casing lock		1	
		Click D	Mod. □	Cinona				1	
				Strong		Well cap fits	securely.	V/	
Color 🗆	None 🗹	Slight 🗆	Mod. □	Strong		Good seal/d	rainage	V	
Turb: □	None 🗆	Slight 🗹	Mod □	Strong		Well has we	ep holes		
BOTTLE IN	FORMATIO	N:							
		tered				Filte	ered		1
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	l0mL, HCL)				Metals (P,250	mL, HNO3)		
11	VOAS (C,V, 4	40mL)				Ammonia (P,	250mL, H2S0	4)	
	Organics (A,C	3,U 1000mL)				General (P,54	100 100	DML	
	Organics (A,C								
	TOC (A,V 40r								
1		0mL, H2SO4)							
	Metals (P,250		_						
		250mL, NaOH)							
		i,250mL, H2SC 50 mL) <i>ID(</i>) (
-	conciai (i , z	OO ME) IDO	<i>)</i> ///-				_	_	
									l
					Final	DTW:	22.0	O n	
						3.55	- 5.0		
Comments									
							4		
					1/1/0	10 1110	Vala		
			Sampler's S	ignature:	LUD	y yr	XIV.		

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL
DC-257-204

WELL/SAM	PLE POINT	G1	25		Purge N	/lethod:	dedic	ated 1	9muc
Date:	7/24	123	Start Time:	12:4	0	Finish/Sa	ample Time:	13:3	35
Well Depth	(Bottom) Fro	m MP:	36.80	fl		Min. Purge	√olume:	1.0	Gal (L)
Depth to Wa	ater From MF	o <u>:</u>	23.00) ft		Total Purge	Volume:	1.5	Gal (L)
Water Colu	mn Length:		13.74	fl		Max Drawo	lown:		fl
Well Water	Volume:		8.32	Gal /L		Total Drawd	own:	0.59	ft
Reading	Time	Depth	Flow Rate	рН	Spec Cond	Temp	ORP	DO	Turb
(Units)	13:01	23.76	mL/min	s.u.	umhos/cm	deg C	mV	mg/L	NTU
1	-		100	7,44	1015.14	10.85	167.0	3.23	96.11
2	13:02	23.79	100	7.43	10100-13	170,77	-59.1	3.08	10.00
3	13:03	23.90	100	7.43	664.97	110.94	-58.9	3.20	65.29
4									
5	<								
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
		Aguator	11 100	<u> </u>					
Field Meter:		HYDUIN	M Wa	<i>)</i>	-	Well Integri		Yes/	No
Cample Apr	ooronooi					Well has ID		V/	
Sample App	r	6 11.1.		۵.		Casing lock		- V/	
	1			Strong		Well cap fits	securely.	V	
Color		,	Mod. □	Strong		Good seal/d	rainage	V,	
Turb:	None II	Slight	Mod □	Strong		Well has we	ep holes	/	
BOTTLE IN	FORMATION	۱:							
	Unfilt					Filte	ered		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4					Metals (P,250			
	VOAS (C,V, 4					Ammonia (P,			
	Organics (A,C				1	General (P;50	100	OWL	
_	Organics (A,G TOC (A,V 40n				-				
	TOX (A,G 250						_		
	Metals (P,250								
	Cyanide (P, 2								
	Phenols (A,G,	250mL, H2SC	04)						
	General (P, 24	50 m L) (OO 0	OML						
					Einel	DTW:	13	105 A	
					Fillal	DIW.		-0 U π	
Comments									
					11100	d. 1	Malala	1	
			Sampler's S	ignature:	_ ULA	N V	WWW		

	PLE POINT	G1	5S		Purge I	Method:	3/1-1	TON	
Date:	7-25	23	Start Time:	09:5	15	Finish/Sa	mple Time:	10.3	7
Well Depth	(Bottom) Fro	m MP:	44,37	ft		Min. Purge V	olume:		Gal / L
Depth to Wa	ater From MF	o:	31.75	ft		Total Purge \	/olume:	1.3	Gal / L
Water Colur			1 - 1 -	fit		Max Drawdo		No	
Well Water	Volume:		201	Gal / L		Total Drawdo	wn:		ft
D	T	D 4	E 5.1					318	
Reading	Time	Depth	Flow Rate	pH	Spec Cond		ORP	00	Turb
(Units)	10.00	ft.	mL/min	8.U.	umhos/cm	deg C	mV	mg/L	NTU
1	10:00	22.00	100	624	760	17.47	291	177 KU	177
2	10.01	32.0	100	6,21	764	19.47	250	324	143
3	10:02	32.73	100	6.17	756	19.50	249	3.18	123
4	~	_		~			-		_
5									\rightarrow
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	±.10% or 0.2	NA
-		Horis	20						- 1
Field Meter:		110111). 0			Well Integrit		Yes	No
						Well has ID s	- T	1	
Semple App	1					Casing locke	d/secure	1	
Odor:	None 🗆	Slight	Mod. □	Strong		Well cap fits	securely.	V	
Color 🖽	None □	Slight	Mod.	Strong		Good seal/dr	ainage	V,	
Turb:	None 🗔	Slight □	Mod □	Strong		Well has wee	p holes		
BOTTLE IN	FORMATIO	N:							
		tered			76	Filter	ed		
Qty	Bottles				Qty	Bottles			
	VOAs (C,V, 4	Omt HCI			3	14-4-1- (D.050)			
	140/10 (0, 8, 7	DITIL, MGL)				IVICE, P. SIBTONI	nL, HNO3)		
	VOAS (C,V,						nL, HNO3) 50mL, H2 S0	4)	
		10mL)			1	Ammonia (P,2 General (P,500	50mL, H2 S0	4)	
	VOAS (C,V,	10mL) 3,U 1000mL))	Ammonia (P,2	50mL, H2 S0	4)	
	VOAS (C,V, 4 Organics (A,0	10mL) 3,U 1000mL) 3,U 500mL)			1	Ammonia (P,2	50mL, H2 S0	4)	
	VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40)	10mL) 3,U 1000mL) 3,U 500mL)			1	Ammonia (P,2	50mL, H2 S0	4)	
	VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40)	10mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4)			1	Ammonia (P,2	50mL, H2 S0	4)	
	VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40r TOX (A,G 25r Metals (P,250	10mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4)			1	Ammonia (P,2	50mL, H2 S0	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	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3)			1	Ammonia (P,2	50mL, H2 S0	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	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH 4,250mL, H2SO			1	Ammonia (P,2	50mL, H2 S0	4)	
· 1	VOAS (C,V, 4 Organics (A,C Organics (A,C TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH 4,250mL, H2SO			1	Ammonia (P,2	50mL, H2 S0	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 Phenols (A,G	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH 4,250mL, H2SO			Final	Ammonia (P,2 General (P,50)	50mL, H2 S0	7 0	
	VOAS (C,V, 4 Organics (A,0 Organics (A,0 TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G General (P, 2	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH 4,250mL, H2SO			Final	Ammonia (P,2	50mL, H2S0 0mL)		
Comments	VOAS (C,V, 4 Organics (A,0 Organics (A,0 TOC (A,V 40) TOX (A,G 25) Metals (P,25) Cyanide (P, 2 Phenols (A,G General (P, 2	40mL) 3,U 1000mL) 3,U 500mL) mL, H2SO4) 0mL, H2SO4) 0mL, HNO3) 250mL, NaOH 4,250mL, H2SO			Final	Ammonia (P,2 General (P,50)	50mL, H2S0 0mL)	7 0	

		Heyon Range ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm	М	lodel: lodel: is/Fail	(200) dippert	Ser	170SS ial Number:	480944 11FFZZO	4	۱۲
Meter Meter Check Value 4.00 1.05 10.05 10.15 10.15 10.15 10.15 10.15	Make: Make: Units s.u. s.u. s.u. pS/cm µS/cm mV	Aquatro II Heror Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	M	lodel: lodel: is/Fail	(200) dippert	Ser	ial Number:			nL
Check Value 4.00 7.00 7.05 10.05 10.05 10.15 10.	Units s.u. s.u. s.u. µS/cm µS/cm mV	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pas	s/Fail	Calibrate?		ial Number:			nL
1.00 1.05 10.05 10.05 10.15 10.15 10.15 10.15 10.05	s.u. s.u. s.u. µS/cm µS/cm mV	±0.1 s.u. ±0.1 s.u. ±0.1 s.u.				Serial Number: Adjusted Reading		11FFZZO9305ML		
1.00 1.05 10.05 10.05 10.15 10.15 10.15 10.15 10.05	s.u. s.u. s.u. µS/cm µS/cm mV	±0.1 s.u. ±0.1 s.u. ±0.1 s.u.				Adjust	ed Reading	Manufacturer	Lot#	Exp.
1.05 10.05 10.15 10.15 10.15 125.3	s.u. s.u. µS/cm µS/cm mV	±0.1 s.u.			NO		Ail	MSI	L344-09	12/14/2023
10.05 10.80 1973.3 223.3	s.u. μS/cm μS/cm mV	±0.1 s.u.		1	1		1	MSI	L343-07	12/9/2023
1973.3	μS/cm μS/cm mV							MSI	M082-04	3/25/2024
1973.3	μS/cm mV	p ;	1					Pace Labs	N/A (DI)	N/A (DI)
223.3	mV	±5%						Geotech	3GA1071	Jan-24
		±15 mV	1	1				InSitu	261762	Jun-23-
		±0.1		1				Macron		8/26/2025
0.00	%	97-100%	1	1				Pace Labs	N/A (DI)	N/A (DI)
(/ c l A l	NTU	<2 NTU	1	1	L		_	Pace Labs	N/A (DI)	N/A (DI)
, unless only on	e well							,		
Initial Calibra	ation V	erification)			Time	: 09:	20			
Check Value	Units	Range	Pas	s/Fail	Act	on Taken	?	Manufacturer	Lot#	Exp.
413	s.u.	±0.15 s.u.	80	155		AIL		Geotech	2GE870	Mar-24
	s.u.	±0.15 s.u.	1	i		1		Geotech	2GC931	Mar-24
	s.u.	±0.15 s.u.		1				Geotech	2GE820	May-24
980,40	μS/cm	±5%	1.	1		T		Ricca	4207N97	Jul-24
, unless only on	e well									
l 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	×	N:		NA	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.						MSI	M082-04	3/25/2024
947.210	μS/cm	±5%						Ricca	4207N97	Jul-24
0.00	mg/L	±0.1 mg/L						Macron	#000228049	8/26/2025
0.00	NTU	<2 NTU	1		7		1	Pace Labs	N/A (DI)	N/A (DI)
, unless only on	e well									
d Calibration	Verific	ation):			Tim	e:				
Check Value	Units	Range	Pas	ss/Fail	Calibrate?	Adjust	ed Reading	Manufacturer	Lot#	Exp.
	5.U.	±0.1 s.u.						MSI	L344-09	12/14/2023
/	5.U,	±0.1 s.u.	V		1	1		MSI	L343-07	12/9/2023
1	s.u.	±0.1 s.u.	1			1		MSI	M082-04	3/25/2024
1	μS/cm	±5%		1			1	Ricca	4207N97	Jul-24
1	mg/L	±0.1 mg/L		1	1		1	Macron	#000228049	8/26/2025
1	NTU	<2 NTU		1			1	Pace Labs	N/A (DI)	N/A (DI)
	unless only on Calibration Check Value H () T OE 3.99 997 00 0 00 unless only on Calibration	s.u. 999 s.u. 999 s.u. 100 W µs/cm purless only one well Calibration Verific Check Value Units S.u. 999 s.u. 999 v.l NTU unless only one well Calibration Verific Check Value Units s.u. ps/cm mg/L µs/cm mg/L	S.u. ±0.15 s.u.	S.u. ±0.15 s.u. 10.15 s.u. 20.15 s.u.	S.u. ±0.15 s.u. 10.15 s.u. 20.15 s.u.	S.u. ±0.15 s.u.	S.u. ±0.15 s.u. 10.15 s.u.	S.u. ±0.15 s.u. 10.15 s.u.	S.u.	S.u. ±0.15 s.u. ±0.15 s.u. Geotech 2GC931 S.u. ±0.15 s.u. Geotech 2GE820 S.u. ±0.15 s.u. Geotech 2GE820 Ricca 4207N97 Unless only one well

Field Personnel:	Brendon (alen	MIO.		Location:	Duck Ca	ach Ann	er Sto	tion
Weather:	200 ()	vid.	3 mah 1	1	Environment:	Gross Fie	X	M Out	1,00
Multiparamete	r Water Meter	Make:	ACI	Model:	600	Serial Number:		2193	
Water Lev	el Meter	Make:	Hean	Model:	210Hz	Serial Number:			3
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.05	s.u.	±0.1 s.u.	9	N	NEA	MSI		3/14/2025
oH 7.00a	6.46	s.u.	±0.1 s.u.			1	MSI	023051-02	2/21/2025
pH 10.00a	9.41	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC Zero (DI)	5.38	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1950.5	μS/cm	±5%				Geotech	3GA1071	Jan-24
ORP	221.0	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0.07	mg/L	±0.1				Macron		8/26/2025
DO (Saturated)	99.77	%	97-100%			1	Pace Labs	N/A (DI)	N/A (DI)
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							
	(Initial Calibr		erification)		Time:	6919]		
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
	4 05	S.U.	±0.15 s.u.	D	ACTO	A	Geotech	2GE870	May-24
H 4.00b	(2.83	s.u.	±0.15 s.u.	E	V-	7.60	Geotech	2GF113	Jun-24
	9.85		±0.15 s.u.	-	7		Geotech	2GE820	May-24
PH 10.00b SC 1000	012.6	s.μ. μS/cm	±5%	D I	N/	<u> </u>	Ricca	4209A12	Aug-23
Approx. every 4 h			1374				110000	12001122	rieg =0
CCV (Continue			ation).		Time:		1		
	1					V. 1. 1. 1.			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a		s.u.	±0.1 s.u.		1		MSI	023067-01	3/14/2025
pH 7.00a		ş.u.	±0.1 s.u.	\	1	1	MSI	023051-02	2/21/2025
pH 10.00a	1	s.u.	±0.1 s.u.		1		MSI	022361-01	12/27/2024
SC 1000	1	μS/cm	±5%	1	1	-	Ricca	4209A12	Aug-23
DO (Zero pt)	1	mg/L	±0.1 mg/L		1	1	Macron	-	8/26/2025
Turbidity (DI)		NTU	<2 NTU	1		1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h				1			1		
CCV (Continue		_			Times				
Buffer	Check Value	Units	Range \	Pass/Fail	Calibrate?	Adjusted Reading			Exp.
4.00a		s.u.	±0.1 s.u.		1		MSI	023067-01	3/14/2025
7.00a		S.U.	±0.1 s.u.			1	MSI	023051-02	2/21/2025
10.00a		s.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
SC 1000		μS/cm	±5%		1		Ricca	4209A12	Aug-23
OO (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:	Oly	lu	rell						

Kyle	LOV	1.		Location	01/0	£	(sces	2	
81°	SV.	NAI		Environment	DOZ	1			
r Water Meter	Make:	Morison	Mo	1el: U-5 600	Serial N	umber:	PW	CITO	2
vel Meter	Make:	Meron	Mod	del: Whites	Serial N	tumber:	19 FF	- 211	11921
Check Value	Units	Range	Pass/		Adjusted R	Reading	Manufacturer	Lot#	Exp.
348	S.U.	±0.1 s.u.	F	905	3.4	18	MSI	L344-09	12/14/2023
676	s.u.	±0.1 s.u.	5	yes	6,9	I.	MSI	L343-07	12/9/2023
9,99	s.u.	±0.1 s.u.	1	Ne	N	01	MSI	M082-04	3/25/2024
20,10	μS/cm	0<25 μS/cm	1				Pace Labs	N/A (DI)	N/A (DI)
	μS/cm	±5%	1				Geotech	3GA1071	Jan-24
2-14	m۷	±15 mV	11				InSitu	2G1762	Јип-23
		±0.1					Macron		
			11.	10					N/A (DI)
		<2 NTU	16		15	2	Pace Labs	N/A (DI)	N/A (DI)
				-			1		
			1-						
Check Value	_		Pass/						Exp.
5.89			1	N	A				Mar-24
6. 8/			1						Mar-24
1.00			1		-	_			May-24
	-	±5%	1		2		Ricca	4207N97	Jul-24
		ntinol.		-	1 1		i		
-					- / -	-			
Check Value	Units		Pass/	Fail Calibrate?	Adjusted R	Reading		Lot#	Exp.
/			-	//	1	/			12/14/2023
/			1	/		/_			12/9/2023
			1	-	/				3/25/2024
/			1/	-/-/	-/-				Jul-24
/			1	1	/	_			
e implementation		₹Z NIŲ	/		<i>X</i>		Lace raps	IN/A (DI)	N/A (DI)
		ation).	_	Time	11/0	a	1		
			Pass/		10	Reading	Manufacturer	Lot#	Ехр.
4.09	s.u.	±0.1 s.u.	P	1/2	10	V	MSI	L344-09	12/14/2023
	_	±0.1 s.u.	117	11/2	1		MSI	L343-07	12/9/2023
697	J 5.U.		-	_	1		MSI	M082-04	
6.97	5.U. S.U.	±0.1 s.u.					IIVIJI	114100Z-174	13/25/2024
10.07	S.U.	±0.1 s.u. ±5%	++	1					3/25/2024 Jul-24
6.97		±0.1 s.u. ±5% ±0.1 mg/L	1			\sim	Ricca Macron	4207N97	Jul-24 8/26/2025
	water Meter Check Value 2 9 9 2 0 30 7 14 O 08 (Initial Calibr Check Value 3 9 9 Check Value 6 Calibration Check Value	Water Meter Make: Vel Meter Make: Check Value Units S.u. S.u. S.u. Color µS/cm Make: S.u. Make: S.u. Make: S.u. Make: S.u. Make: S.u. Make: S.u. Make: Make: S.u. Make: Make: S.u. Make: Make: S.u. Make: Ma	Water Meter Make: Morifice Sul ±0.1 s.u. Water Meter Make: Morifice Sul ±0.1 s.u. Water Make: Morifice Sul ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±0.15 s.u. ±0.	Water Meter Make: Mor Mor More Water Meter Make: Mor More More Meter Make: Mor More More More Meter Make: Mor More More Meter More More More More More More More Mo	Environment Water Meter Make: Moral on Model: White Mode	Environment: Water Meter Make: Wei Model: Whith Serial Model: Serial Model: Whith Serial Model: Serial	Environment: Water Meter Make: Make: Model: Model	Serial Number: Seri	Separation Sep

Plenberton Location: DUCK Clea	ell
IN NE 3 PPL Cloudy Environment: offices fight	dust
Make: A 7 Model: 600 Serlal Number:	162215
Make: Herry Model: Dipper T Serial Number:	3717-7
	ufacturer 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 Li	abs N/A (DI) N/A (DI)
μ5/cm ±5% Geotec	
mV ±15 mV InSitu	261762 Jun-23
mg/L ±0.1 Macro	n #000228049 8/26/2025
% 97-100% Pace Li	abs N/A (DI) N/A (DI)
NTU <2 NTU Pace Li	abs N/A (DI) N/A (DI)
	16 150
ation Verification) Time: 0925	
Units Range Pass/Fail Action Taken? Manu	ıfacturer Lot# Exp.
s.u. ±0.15 s.u. Geotec	ch 2GE870 Mar-24
s.u. ±0.15 s.u. Geotec	ch 2GC931 Mar-24
s.u. ±0.15 s.v. Geotec	ch 2GE820 May-24
μS/cm ±5% Ricca	4207N97 Jul-24
e well	
Verification): Time: /500	
Units Range Pass/Fail Calibrate? Adjusted Reading Manu	ıfacturer Lot# Exp.
s.u. ±0.1 s.u. R NO MSI	L344-09 12/14/2023
s.u. ±0.1 s.u. MSI	L343-07 12/9/2023
s.u. ±0.1 s.u. MS)	M082-04 3/25/2024
μS/cm ±5% Ricca	4207N97 Jul-24
mg/L ±0.1 mg/L Macro	n #000228049 8/26/2025
NTU <2 NTU Pace La	abs N/A (DI) N/A (DI)
e well	
Verification): Time:	
	ıfacturer Lot# Exp.
Units Range Pass/Fail Calibrate? Adjusted Reading Manu	L344-09 12/14/2023
Units Range Pass/Fail Calibrate? Adjusted Reading Manus.u. ±0.1 s.u. MSI	L344-09 12/14/2023
Units Range Pass/Fail Calibrate? Adjusted Reading Manu s.u. ±0.1 s.u. MSI s.u. ±0.1 s.u. MSI	L344-09 12/14/2023 L343-07 12/9/2023 M082-04 3/25/2024
Units Range Pass/Fail Calibrate? Adjusted Reading Manu s.u. ±0.1 s.u. MSI s.u. ±0.1 s.u. MSI s.u. ±0.1 s.u. MSI	L344-09 12/14/2023 L343-07 12/9/2023 M082-04 3/25/2024 4207N97 Jul-24

PH 7.00a Q	Field Personnel:	Acros	Pe	in berton			Location	;	DUCK	calk		
Multiparameter Water Meter Make: A	Weather:	710-660	t s	MMYSE Gr	ph		Environment	:	Wooks	From	C:elt	
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp.	Multiparameter					odel:	600					
Det 4.00a V-0^3 S.u. ±0.1.S.u.	Water Lev	el Meter	Make:	Heran	м	odel:	Diageo T		Serial Number:	371-	7-7	
PH 7.00a 0	Buffer	Check Value	Units	Range	Pas	s/Fail	Calibrate?	Adj	usted Reading	Manufacturer	Lot#	Exp.
MSI MO82-04 3/25/202 MO82-06 MO82-06 3/25/202 MO82-06 MO82-06 3/25/202 MO82-06 MO82-06 MO82-06 3/25/202 MO82-06 MO82	pH 4.00a	4-03	s.u.	±0.1 s.u.	1	2	NO		NIA	MSI	L344-09	12/14/2023
MSI MO82-04 3/25/202 MO82-06 MO82-06 3/25/202 MO82-06 MO82-06 3/25/202 MO82-06 MO82-06 MO82-06 3/25/202 MO82-06 MO82	pH 7.00a	6.96	s.u.	±0.1 s.u.			1			MSI	L343-07	12/9/2023
Sc Zero (DI) 1	oH 10.00a	7.02	s.u.	±0.1 s.u.						MSI	M082-04	3/25/2024
SC 2000	SC Zero (DI)	15,14	μS/cm	0<25 μS/cm						Pace Labs	N/A (DI)	-
DO (Zero pt) O , O O	SC 2000	1697.K	μ5/cm	±5%						Geotech		
DO (Saturated) O (ORP	225.6	mV	±15 mV						InSitu	3G1762	Jun 23
DO (Saturated) 0	DO (Zero pt)	0,00	mg/L	±0.1			1			Macron	#000228049	8/26/2025
Pace Labs	DO (Saturated)	00.33	%	97-100%			1			Pace Labs		
Approx. every 4 hrs, unless only one well	Turbidity (DI)	0.00	NTU	<2 NTU		~	J.		上		N/A (DI)	
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp.	Approx. every 4 hr	s, unless only or	e well							230 €	2-4°C	
Buffer Check Value Units Range Pass/Fail Action Taken? Manufacturer Lot# Exp.	ICV	(Initial Calibr	ation V	erification)			Time:	C	255			
Description	Buffer	Check Value	Units	Range	Pas	s/Fail	Actio	-		Manufacturer	Lot#	Exp.
Substitute Sub	pH 4.00b	11.01	s.u.	±0.15 s.u.		D		NA	+	Geotech	2GE870	
Sci Sunction Sun	pH 7.00b	6.46	s.u.	±0.15 s.u.		1		,		Geotech		Mar-24
Approx. every 4 hrs, unless only one well CCV (Continued Calibration Verification): Time:	oH 10.00b	0.47	s.u.	±0.15 s.u.						Geotech	2GE820	May-24
CCV (Continued Calibration Verification): Time:	SC 1000	766.07	μS/cm	±5%		1				Ricca	4207N97	Jul-24
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp.	Арргох. every 4 hr	s, unless only on	e well									
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp.	CCV (Continue	d Calibration	Verifica	ation):			Time:	15	30			
Delta Delt	Buffer	Check Value	Units	Range	Pas	s/Fail	Calibrate?	_		Manufacturer	Lot#	Exn.
Section Sect	oH 4.00a	WOL	5.U.	±0.1 s.u.	1	1	NO			MSI		12/14/2023
OH 10.00a 10.00 s.u. ±0.1 s.u. MSI M082-04 3/25/202 6C 1000 1 00 H s.u. μ5/cm ±5% Ricca 4207N97 Jul-24 DO (Zero pt) 0 0 0 mg/L ±0.1 mg/L Macron #000228049 8/26/202 Furbidity (DI) 0 0 0 NTU <2 NTU	oH 7.00a		s.u.	±0.1 s.u.	1	/	1		1	MSI		12/9/2023
SC 1000	oH 10.00a	6	S.U.	±0.1 s.u.	1				/	MSI		
DO (Zero pt)	SC 1000	7	μ5/cm	±5%						Ricca		
Turbidity (DI) O o NTU <2 NTU	DO (Zero pt)		mg/L	±0.1 mg/L	11	"				Macron	#000228049	
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 L344-09 12/14/20	Turbidity (DI)	0,00	NTU	<2 NTU			1	-	+	Pace Labs		
Buffer Check Value Units Range Pass/Fail Calibrate? Adjusted Reading Manufacturer Lot# Exp. 4.00a s.u. ±0.1 s.u. MSI L344-09 12/14/20	Approx. every 4 hr	s, unless only on	e well									
4.00a 5.u. ±0.1 s.u. MSI L344-09 12/14/20	CCV (Continue	d Calibration	Verifica	ition):			Time:					
4.00a s.u. ±0.1 s.u. MSI L344-09 12/14/20	Buffer	Check Value	Units	Range	Pas	s/Fail	Calibrate?	Adi	usted Reading	Manufacturer	Lot#	Exp.
						1		1				
	7.00a	1	s.u.	±0.1 s.u.		1		,	_	MSI	L343-07	12/9/2023
		1			1		1		1			3/25/2024
SC 1000 µS/cm ±5% Ricca 4207N97 Jul-24		1	-		1		1		1			
00 (Zero pt) mg/L ±0.1 mg/L ±0.1 mg/L Macron #000228049 8/26/202		1	_				1		1			
Turbidity (DI) NTU <2 NTU Pace Labs N/A (DI) N/A (DI)					\top	1	1		1			
Comments:							`	1	, , , , , , , , , , , , , , , , , , ,		1.7.7(0.1)	IN A LON

Field Personnel:	I Alla/				Location:	Duck	Creek		
Weather:	Sunny	wind	ESE LOMPIN	75-88	Environment:	Grass			
Multiparamete		Make:	4 quatro 1	Model:	1000	Serial Number:	4800	144	
Water Le	vel Meter	Make:	Haron	Model:	dipper	Serial Number:		2093	05ML
Buffer.	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	N.010	s.u.	±0.1 s.u.	P	PU	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
)RP	220.4	mV	±15 mV	1	°N	NIA	InSitu .	261762	lun-23
OO (Zero pt)	0.09	mg/L	±0.1	P	1		Macron	#000228049	8/26/2025
O (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 h	rs, unless only on	ie well							
IC\	(Initial Calibr	ation V	erification)		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	J	Geotech	2GE870	Mar-24
H 7.00b	(0.88	s.u.	±0.15 s.u.	-	calibrate	OO. F -	Geotech	2GC931	Mar-24
H 10.00b	9.99	s.u.	±0.15 s.u.	P	1	J	Geotech	2GE820	May-24
C 1000	7800	μS/cm	±5%	F	calibrate	-10000-0	Ricca	4207N97	Jul-24
pprox. every 4 h	rs, unless only on	e well							
CCV (Continue	ed Calibration	Verific	ation):		Time:	14:50			
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	11	s.u.	±0.1 s.u.	F	1/5	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.	9	2	N/A	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	10			Macron	#000228049	8/26/2025
urbidity (DI)	0.00	NTU	<2 NTU	4			Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 h	ırs, unless omy or	e well					•		
CCV (Continue	ed Calibration	Verific	ation):		Time:				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
l.00a		s.u.	±0.1 s.u.		1		MSI	L344-09	12/14/2023
.00a		s.u.	±0.1 s.u.	1			MSI	L343-07	12/9/2023
.0.00a		s.u.	±0.1 s.u.				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
urbidity (DI)		NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Comments:		NIO	, XZ INTO				race Labs	(A)A (DI)	M/A (DI)

Field Personnel:	Brades	(2)	ennon		Location:	Duck C	reple		
Weather:	82 Mast		7.	2E	Environment:	Gross F	reld		
Multiparameter	Water Meter	Make:	Aguatrall	Model:	600	Serial Number:	7621	93	
Water Lev	ei Meter	Make:	Heren	Model:	2004+ Di	Serial Number:	19FF 21	111192	HB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	ч.00	s.u.	±0.1 s.u.	P	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	9.90	s.u.	±0.1 s.u.	0	~	N/A	MSI	022361-01	12/27/202
C Zero (DI)	0.65	μS/cm	0<25 µS/cm	P	N	N/A	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	768.6	μS/cm	±5%	1	~	0,000	Geotech	3GA1071	Jan-24
ORP	205.1	mV	±15 mV	F	O.PEGY	229.0	InSitu	3GD927	Jan-24
DO (Zero pt)	0.04	mg/L	±0.1	0	Con Tana	N/A	Macron		8/26/2025
DO (Saturated)	97,78	%	97-100%	P	Ž1	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			121110	1 4	N	N/A	r dec Ediba	Lidy (Di)	IN/A (DI)
	(Initial Calibr		erification)		Time:	0930			
				ln (n)					_
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
oH 4.00b	4.04	s.u.	±0.15 s.u.	P	V	IA	Geotech	2GE870	May-24
pH 7.00b	6.69	s.u.	±0.15 s.u.	0	N	1A	Geotech	2GF113	Jun-24
pH 10.00b	4.96	s.u.	±0.15 s.u.	6	N	IA.	Geotech	2GE820	Мау-24
SC 1000	1000000	μS/cm	±5%	P	- 1	1/K	Ricca	4209A12	Aug-23
Approx. every 4 hi						110.0			
CCV (Continue	d Calibration	Verific	ation):		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.	P	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		MSI	022361-01	12/27/202
SC 1000	1128.1	μS/cm	±5%	F	US	$G_{\bullet}OOO$	Ricca	4209A12	Aug-23
DO (Zero pt)	0.09	mg/L	±0.1 mg/L	b	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 hi									
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.				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	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	1	1	Macron		8/26/2025
Turbidity (DI)	1	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
	turb cat	5011	OHON QV	alakol		7 /20	/2.0		
Signature:	Dr.	Dr.	11/		Date:	7/20	ソ から		

Field Personnel:	Kh/e	La	1/		Locatio	in:	DVC	K	Cleck		
Weather:	930 5	<i>U</i> 1			Environme	nt:	ve	+			
Multiparamete	r Water Meter	Make:	HoriBa	Mod	el: V-50 al)	Serial N	lumber:	A STATE OF THE STA	PWE	9)03
Water Lev	el Meter ,	Make:	Heron	Mod	+afe		Serial N	Number:	19FF	2202	131ML
Buffer	Check Value	Units	Range	Pass/	ail Calibrate?	7	Adjusted F	Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,06	S.U.	±0.1 s.u.	P	Na		1/	Ca	MSI	L344-09	12/14/2023
pH 7.00a	7.03	\$.U.	±0.1 s.u.				1 4		MSI	L343-07	12/9/2023
pH 10.00a	10.05	S.U.	±0.1 s.u.						MSI	M082-04	3/25/2024
C Zero (DI)	13.00	μ5/cm	0<25 μS/cm						Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2006	μS/cm	±5%						Geotech	3GA1071	Jan-24
)RP	212	m۷	±15 mV		1.1				InSitu	2G1762	Jun-23 —
OO (Zero pt)	0,64	mg/L	±0.1						Macron	#000228049	8/26/2025
O (Saturated)	48.00	%	97-100%		1		1		Pace Labs	N/A (DI)	N/A (DI)
urbidity (DI)	0	NTU	<2 NTU		2 (1)		1	/	Pace Labs	N/A (DI)	N/A (DI)
pprox. every 4 hi					_	-,-		711	1		
ICV	(Initial Calibra	ation V	erification)		Tim	ie:	04:	54			
Buffer	Check Value	Units	Range	Pass/	ail Ac	tion	Taken?		Manufacturer	Lot#	Exp.
H 4.00b	4.07	s.u.	±0.15 s.u.	P	1	18	^_		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.						Geotech	2GE820	May-24
C 1000	1,000	µS/cm	±5%			6)		Ricca	4207N97	Jul-24
Approx. every 4 h	rs, unless only on	e well				/					
CV (Continue	d Calibration	Verific	ation):		Time:		N	l			
Buffer	Check Value	Units	Range	Pass/	ail Calibrate?	1.	Adjusted #	Reading	Manufacturer	Lot#	Exp.
H 4.00a		s.u.	±0.1 s.u.		/	1		/	MSI	L344-09	12/14/2023
H 7.00a		s.u.	±0.1 s.u.						MSI	L343-07	12/9/2023
H 10.00a	7	5.U.	±0.1 s.u.	1	/				MSI	M082-04	3/25/2024
C 1000		μS/cm	±5%	/			/		Ricca	4207N97	Jul-24
DO (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						_	-	20	1		
CCV (Continue	d Calibration	Verific	ation):		Tìn	ie:	15	2-1			
Buffer	Check Value	Units	Range	Pass/	ail Calibrate?	1	Adjusted I	Reading	Manufacturer	Lot#	Exp.
.00a	4 08	s.u.	±0.1 s.u.	1) /Va	_	Λ	10	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%						Ricca	4207N97	Jui-24
O (Zero pt)	0.04	mg/L	±0.1 mg/L	1					Macron	#000228049	8/26/2025
furbidity (DI)	6	NTU	<2 NTU	1	. 0			2	Pace Labs	N/A (DI)	N/A (DI)
DO (Zero pt) Turbidity (DI) Comments:	0.04	mg/L	±0.1 mg/L	J				2	Macron	#000228049	8/26/2025
Signature:	Holy	0	U		Da	te:	7-	20	-202	.3	

	Apron	Pen	bellor			Location	:	DUCK	creek		
Weather:	10 50	no	WWY James			Environment	Cha	755	Sint to	L	
Multiparamete		Make:	HT	1	odel:	600		al Number:	739	449	
Water Lev	vel Meter	Make:	Heron	м	odel:	Dipper 1	Ser	al Number:			
Buffer	Check Value	Units	Range	Pas	s/Fail	Calibrate?	Adjust	ed Reading	Manufacturer	Lot#	Exp.
14.00a	14.05	s.u.	±0.1 s.u.	6)	No	1 1	IA	MSI	L344-09	12/14/2023
17.00a	6.00	s.u.	±0.1 s.u.	11	1	1		1	MSI	L343-07	12/9/2023
10.00a	9613	s.u.	±0.1 s.u.	1					MSI	M082-04	3/25/2024
Zero (DI)	12.31	μS/cm	0<25 μS/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
(Zero pt)	0.06	mg/L	±0.1						Macron		8/26/2025
(Saturated)	99.67	96	97-100%						Pace Labs	N/A (DI)	N/A (DI)
rbidity (DI)	0.00	NTU	<2 NTU	1.0		-		-	Pace Labs	N/A (DI)	N/A (DI)
	rs, unless only or			-					2210	255	1.47.4(2.4
	(Initial Calibr		erification)			Time	001	20	2.6		
Buffer	Check Value	Units	Range	Pas	s/Fail		on Taken		Manufacturer	Lot#	Exp.
4.00b	N.02	S.U.	±0.15 s.u.	()	1100	VA		Geotech	2GE870	Mar-24
7.00b	6.45	S.U.	±0.15 s.u.	1 9			10111		Geotech	2GC931	Mar-24
10.00b	1.89	S.U.	±0.15 s.u.	+			+-		Geotech	2GE820	May-24
1000	CANLAD	μS/cm	±5%	+	_		1		Ricca	4207N97	Jul-24
	rs, unless only or		2570	1 -					***************************************	42071607	301 24
			ation).		$\neg \tau$	T	150	Λ	1		
	ad Calibration					lime.	3 -11				
CV (Continue		1		Pac	c/Eail	Calibrata?	/SO		Manufacturer	Lot#	Fun
CV (Continue Buffer	Check Value	Units	Range	Pas	s/Fait	Calibrate?		ed Reading	Manufacturer	Lot#	Exp.
Buffer 4.00a	Check Value	Units	Range ±0.1 s.u.	Pas	s/Fait				MSI	L344-09	12/14/2023
Buffer 4.00a 7.00a	Check Value	Units s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u.	Pas	s/Fait	Calibrate?		ed Reading	MSI	L344-09 L343-07	12/14/2023 12/9/2023
Buffer 4.00a 7.00a 10.00a	Check Value 4.07 7.02 10.00	Units S.u. S.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pas	s/Fait	Calibrate?		ed Reading	MSI MSI	L344-09 L343-07 M082-04	12/14/2023 12/9/2023 3/25/2024
Buffer 14.00a 17.00a 10.00a	Check Value 14.07 7.02 10.00 9.00	Units s.u. s.u. s.u. µS/cm	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pas	s/Fait	Calibrate?		ed Reading	MSI MSI MSI Ricca	L344-09 L343-07 M082-04 4207N97	12/14/2023 12/9/2023 3/25/2024 Jul-24
W (Continue Buffer 4.00a 7.00a 10.00a 1000 (Zero pt)	Check Value 14.07 7.02 10.00 9.03	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	Pas	s/Fait	Calibrate?		ed Reading	MSI MSI Ricca Macron	L344-09 L343-07 M082-04 4207N97 #000228049	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025
Buffer 4.00a 7.00a 10.00a 1000 (Zero pt) bidity (DI)	Check Value 1.07 7.02 10.00 9.00 0.07 0.00	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%	Pas	s/Fait	Calibrate?		ed Reading	MSI MSI MSI Ricca	L344-09 L343-07 M082-04 4207N97	12/14/2023 12/9/2023 3/25/2024 Jul-24
Buffer 14.00a 17.00a 10.00a 1000 0 (Zero pt) prox. every 4 h	Check Value 1.07 7.02 10.00 9.00 0.00 0.00 ors, unless only or	Units 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	Pas	s/Fail	Calibrate?	Adjust	ed Reading	MSI MSI Ricca Macron	L344-09 L343-07 M082-04 4207N97 #000228049	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025
Buffer 14.00a 17.00a 10.00a 10.00a 1000 C(Zero pt) Irbidity (DI) Deprox. every 4 h CV (Continue	Check Value H.07 7.02 10.00 9.00 0.07 0.00 ors, unless only ored Calibration	Units s.u. s.u. ps/cm mg/L NTU ne well Verific	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU			Calibrate?	Adjust	ed Reading	MSI MSI Ricca Macron Pace Labs	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI)	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI)
Buffer 4.00a 7.00a 10.00a 1000 (Zero pt) rbidity (DI) prox. every 4 h CV (Continue Buffer	Check Value 1.07 7.02 10.00 9.00 0.00 0.00 ors, unless only or	Units s.u. s.u. µS/cm mg/L NTU ne well Units	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU ation):		s/Fail	Calibrate?	Adjust	ed Reading	MSI MSI Ricca Macron Pace Labs Manufacturer	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI)	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI)
Buffer 4.00a 7.00a 10.00a 1000 (Zero pt) rbidity (DI) prox. every 4 h CV (Continue Buffer	Check Value H.07 7.02 10.00 9.00 0.07 0.00 ors, unless only ored Calibration	Units s.u. s.u. ps/cm mg/L NTU ne well Verific Units 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.			Calibrate?	Adjust	ed Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) Lot# L344-09	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023
Buffer 4.00a 7.00a 10.00a 1000 (Zero pt) bidity (DI) prox. every 4 h CV (Continue Buffer 0a	Check Value H.07 7.02 10.00 9.00 0.07 0.00 ors, unless only ored Calibration	Units s.u. s.u. ps/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?	Adjust	ed Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) Lot# L344-09 L343-07	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023
Buffer 4.00a 7.00a 10.00a 1000 (Zero pt) bidity (DI) prox. every 4 h V (Continue Buffer 0a 0a	Check Value H.07 7.02 10.00 9.00 0.07 0.00 ors, unless only ored Calibration	Units s.u. s.u. ps/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?	Adjust	ed Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI MSI	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) Lot# L344-09 L343-07 M082-04	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023 3/25/2024
Buffer 4.00a 7.00a 10.00a 1000 (Zero pt) bidity (DI) prox. every 4 h V (Continue Buffer 0a 0a 00a	Check Value H.07 7.02 10.00 9.00 0.07 0.00 ors, unless only ored Calibration	Units s.u. s.u. ps/cm mg/t NTU ne well Verific Units 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?	Adjust	ed Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI MSI Ricca	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) L0t# L344-09 L343-07 M082-04 4207N97	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24
Buffer 4.00a 7.00a 10.00a 1000 (Cero pt) rbidity (DI) prox. every 4 h	Check Value H.07 7.02 10.00 9.00 0.07 0.00 ors, unless only ored Calibration	Units s.u. s.u. ps/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?	Adjust	ed Reading	MSI MSI Ricca Macron Pace Labs Manufacturer MSI MSI MSI	L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) L0t# L344-09 L343-07 M082-04 4207N97	12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023 3/25/2024

Meter Check Value 7.00 10.01 9.67	Make: Make: Units s.u. s.u.	Aquetroll Heron Range	Model Model	600	Serial Number:		smt am	55
Meter Check Value 7.00 10.01 9.67	Make: Units s.u. s.u.			600	Serial Number:	762215		
Check Value 4,02, 7,00 10,02, 9,67 187,2	Units s.u. s.u.		Model					
4.02 7.00 10.02 9.67 184.2	s.u.	Range		Dipper-T	Serial Number:	11 FF 220	9305 ML	
7.00 10.02 9.67 984.2	s.u.		Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
10.02 9.67 184.2		±0.1 s.u.	Dess	No	NA	MSI	L344-09	12/14/2023
9,67 084.2		±0.1 s.u.	1	1	1	MSI	L343-07	12/9/2023
184.2	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)
	μS/cm	±5%				Geotech	3GA1071	Jan-24
216,3	mV	±15 mV				InSitu	2G1762	Jun-23
0,09	mg/L	±0.1			1 1	Macron	#000228049	8/26/2025
98.55	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
0.00	NTU	<2 NTU	1	7	4	Pace Labs	N/A (DI)	N/A (DI)
unless only on	e well							
nitial Calibra	ation V	erification)		Time:	0915			
Check Value	Units	Range	Pass/Fai	I Actio	in Taken?	Manufacturer	Lot#	Ехр.
202	s.u.	±0.15 s.u.	1955	N	A	Geotech	2GE870	Mar-24
6.84	s.u.	±0.15 s.u.	1	1		Geotech	2GC931	Mar-24
9,91	s.u.	±0.15 s.u.		1		Geotech	2GE820	May-24
771,24	μS/cm	±5%	1	1		Ricca	4207N97	Jul-24
unless only on	e well							
Calibration	Verific	ation):		Time:	1531			
Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.10	s.u.			+	NA	MSI	L344-09	12/14/2023
	s.u.	±0.1 s.u.	1	1	1	MSI	_	12/9/2023
	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
98414	μ5/cm	±5%				Ricca	4207N97	Jul-24
	mg/L	±0.1 mg/L				Macron	#000228049	
0.49	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
unless only on	e well							
Calibration	Verific	ation):		Time:				
Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
	S.U.	±0.1 s.u.				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		3/25/2024
		±5%				Ricca		Jul-24
						Macron		
	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
	nitial Calibra Check Value 1.02 1.31 1.71 1.72 Unless only on Calibration Check Value 1.10 1.08 181.14 0.08 181.14 0.08 0.49 unless only on Calibration	Check Value Units 1.02 s.u. 1.02 s.u. 1.03 s.u. 1.04 ps/cm unless only one well Calibration Verification Check Value Units 1.05 s.u. 10.08 s.u. 10.08 s.u. 10.09 mg/L 0.09 NTU unless only one well Calibration Verification Check Value Units s.u. s.u. s.u. s.u. s.u. ps/cm mg/L	Check Value	Check Value	Time: Check Value Units Range Pass/Fail Action Action	Time: 0915 O915 O915	Time: 09/5	Time: 09/5 Action Taken? Manufacturer Lot#

Field Personnel:	20				Location:	Vistra Duc.	k Creek		
Weather:	76-90-5	Eway	vind NNE 6	-pl-	Environment:	gras, weds			
Multiparamete		Make:		Model:	600	Serial Number:	762215	ř	
Water Lev	rel Meter	Make;	Heron	Model:	Dipper-T	Serial Number:	11FF220	9305116	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3,99	s.u.	±0.1 s.u.	075	N.	NA	MSI	L344-09	12/14/2023
pH 7.00a	6.99	s.u.	±0.1 s.u.	11	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	117.4	mV	±15 mV				InSitu	261762	lun_23
DO (Zero pt)	80.0	mg/L	±0.1				Macron	#000228049	
DO (Saturated)	11,32	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0,62	NTU	<2 NTU	L	L	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unless only or	ie well							
IÇV	(Initial Calibr	ation V	erification)		Time:	0905			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	401	s.u.	±0.15 ş.u.	COS		VA	Geotech	2GE870	Mar-24
oH 7.00b	4.85	s.u.	±0.15 s.u.	1		1	Geotech	2GC931	Mar-24
oH 10.00b	9,89	s.u.	±0.15 s.u.			1	Geotech	2GE820	May-24
C 1000	1009.4	μS/cm	±5%	1	and the same of th		Ricca	4207N97	Jul-24
Approx. every 4 hi		e well							
CCV (Continue	d Calibration	Verific	ation):		Time:	1545			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.07	s.u.	±0.1 s.u.	0955	N.	NA	MSJ	L344-09	12/14/2023
pH 7.00a	7,06	s.u.	±0.1 s.u.	7	1		MSI	L343-07	12/9/2023
pH 10.00a	9.78	s.u.	±0.1 s.u.				M5I	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)	0.52	NTU	<2 NTU	1	_	1	Pace Labs	N/A (Di)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well							
CCV (Continue		Verific	ation):		Tįme:				
Buffer	Check Value	Units	Range \	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.	1			MSI	L344-09	12/14/2023
7.00a		s.u.	±0.1 s.u.	1			MSI	L343-07	12/9/2023
L0.00a		5.U.	±0.1 s.u.	1			MSI	M082-04	3/25/2024
C 1000		μS/cm	±5%				Ricca	4207N97	Jul-24
OO (Zero pt)	1	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	9	√ NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
SC 1000 DO (Zero pt) Turbidity (DI) Comments:	hom	μ\$/cm mg/L ✓ NTU	±5% ±0.1 mg/L <2 NTU		Date:	7/24/23	Ricca Macron	4207N97	Jul-24

Field Personnel:	NW				Location:	DIKK	Cree	h	
Weather:	76-89°F	Sun	iny wind	Zmph	Environment:	Girass	>		
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.
H 4.00a	4.07	s.u.	±0.1 s.u.	P	2	NA	MSI	023067-01	3/14/2025
oH 7.00a	7.00	s.u.	±0.1 s.u.	P	1	1	MSI	023051-02	2/21/2025
oH 10.00a	9,94	s.u.	±0.1 s.u.	P			MSI	022361-01	12/27/202
C 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%	=	1125	2000.0	Geotech	3GA1071	Jan-24
ORP	2180)	m۷	±15 mV	P	00	AITA	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)
Furbidity (DI)	0.00	NTU	<2 NTU	P.			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:	08:50			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Ехр.
H 4.00b	4.09	s.u.	±0.15 s.u.	P	1		Geotech	2GE870	May-24
H 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.	P		L	Geotech	2GE820	May-24
SC 1000	1129.5	μS/cm	±5%		Uc5 - CO	librate 1000	Ricca	4209A12	Aug-23
Approx. every 4 hr	s, unless only on	e well			1	THE PARTY OF THE P			
CCV (Continue	d Calibration	Verific	ation):		Time:	14:55			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	U 110	s.u.	±0.1 s.u.	-	1105	400	MSI	023067-01	3/14/2025
H 7.00a	-10	s.u.	±0.1 s.u.	D	IN	1.00	MSI	023051-02	2/21/2025
Н 10.00а	9.80	s.u.	±0.1 s.u.	F	WZ	10.01	MSI	022361-01	12/27/202
C 1000	1387 3	μS/cm	±5%	-	175	7000.0	Ricca	4209A12	Aug-23
OO (Zero pt)	0.03	mg/L	±0.1 mg/L	0	(N)	NIA	Macron	#000228049	
Furbidity (DI)	0.87	NTU	<2 NTU	0	V	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr		e well		1		~		1.4()	1.4(-4
CCV (Continue			ation):		Time:				
Buffer	Check Value	Units		Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
1.00a	1	s.u.	±0.1 s.u.	,		· imparted richarding	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	s.u.	±0.1 s.u.	1	1		MSI	022361-01	12/27/202
C 1000		μ5/cm	±5%			1	Ricca	4209A12	Aug-23
OO (Zero pt)	1.	mg/L	±0.1 mg/L	1	1	1	Macron		8/26/2025
furbidity (DI)	1	NTU	<2 NTU	1	1	/	Pace Labs	N/A (DI)	N/A (DI)
Comments:	,			, ,				1.7.1	Land Ised

Field Personnel:	Jon	-	eed		Location:	Duet	(ree-	+	
Weather:	900 500	* /			Environment:	91935	11	1	
Multiparamete	r Water Meter	Make:	AquaTrell	Model:	600	Serial Number:	762	193	
Water Lev	el Meter	Make:	Heron	Model:	1900	Serial Number:			05HB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrațe?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	3.99	s.u.	±0.1 s.u.	P	_ /\	1	MSI	L344-09	12/14/2023
pH 7.00a	6.28	s.u.	±0.1 s.u.	7			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)	9.44	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2000.4	μS/cm	±5%				Geotech	3GA1071	Jan-24
ORP	230.1	mV	±15 mV				InSitu	200000	-
DO (Zero pt)	0.04	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.9	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	7	سا	\	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h									
ICV	' (Initial Calibr	ation V	erification)		Time:	950			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Ехр.
pH 4.00b	3.99	s.u.	±0.15 s.u.	2	1		Geotech	2GE870	Mar-24
pH 7.00b	696	s.u.	±0.15 s.u.	1			Geotech	2GC931	Mar-24
pH 10.00b	9.99	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	1019.4	μS/cm	±5%	1			Ricca	4207N97	Jul-24
Approx. every 4 h							1		
CCV (Continue	d Calibration	Verific	ation):		Time:	1612			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	s.u.	±0.1 s.u.	1	N		MSI	L344-09	12/14/2023
pH 7.00a	7.02	s.u.	±0.1 s.u.	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 1000	10321	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 or	ie well							
CCV (Continue	ed Calibration	Verific	ation):		Time:	N.			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading		Lot#	Exp.
4.00a	1	s.u.	±0.1 s.u.				MSI	L344-09	12/14/2023
7.00a	1	s.u.	±0.1 s.u.				MSI	L343-07	12/9/2023
10.00a		S.u.	±0.1 s.u.			. \	MSI	M082-04	3/25/2024
SC 1000		μS/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		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)
Comments:						,			
						1	-		

Field Personnel:	KYL	Lav	\i		Location:	Duck	CRUK		
Weather:	81°501		<u> </u>		Environment:	DCN)100.4		
Multiparamete		Make:	Horiba	Model:	V-5000	Serial Number:	PWZ	647	03
Water Lev	el Meter	Make:	Heron	Model:	water	Serial Number:	19 FF 2	2021	3 IML
Buffer	Check Value	Units	Range	Pass/Fai		Adjusted Reading	Manufacturer	Lot#	Exp.
H 4.00a	4.01	s.u.	±0.1 s.u.	4	M	1/2	MSI	L344-09	12/14/2023
7.00a	6.95	s.u.	±0.1 s.u.		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)	1410	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				InSitu -	201702	Jun-25
(Zero pt)	0.01	mg/L	±0.1				Масгол		8/26/2025
(Saturated)	92.10	%	97-100%	10		1	Pace Labs	N/A (DI)	N/A (DI)
rbidity (DI)	0	NTU	<2 NTU	VI	. 12	. /	Pace Labs	N/A (DI)	N/A (DI)
	rs, unless only on	ë well							
	(Initial Calibr		erification)		Time:	02:59			
Buffer	Check Value	Units	Range	Pass/Fai		n Taken?	Manufacturer	Lot#	Ехр.
4.00b	3.97	s.u.	±0.15 s.u.	P	1	19	Geotech	2GE870	Mar-24
7.00b	6.99	s.u.	±0.15 s.u.	1	1		Geotech	2GC931	Mar-24
10.00b	9 88	s.u.	±0.15 s.u.	1		1	Geotech	2GE820	May-24
1000	1048	µS/cm	±5%	1		10	Ricca	4207N97	Jul-24
	rs, unless only on	-		9	1	· ·			
	d Calibration		ation):		Time:	1/2			
Buffer	Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
1 4,00a	1	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	/	MSI	L343-07	12/9/2023
10.00a		S.U.	±0.1 s.u.	/	/		MSI	M082-04	3/25/2024
1000	/	μS/cm	±5%	1		/	Ricca	4207N97	Jul-24
(Zero pt)		mg/L	±0.1 mg/L /		1	/	Macron		8/26/2025
rbidity (DI)	/	NTU	<2 NTU /				Pace Labs	N/A (DI)	N/A (DI)
	rs, unless only on		/		/			13.7	1(2.)
	d Calibration	_	ation):		Time:	16:06	1		
	Check Value			Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
00a	14.09	S.U.	±0.1 s.u.	P	1/2	NA	MSI	L344-09	12/14/2023
00a.	7.00	s.u.	±0.1 s.u.	1	7	11900	MSI	L343-07	12/9/2023
.00a	10.01	s.u.	±0.1 s.u.				MSI	M082-04	3/25/2024
1000	1000	μS/cm	±5%				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	12	1 10	1 1/2	Pace Labs	N/A (DI)	N/A (DI)
mments:	1/a							1777-1017	INFA (DI)
Signature:	Till	K	M		Date:	7-24	1-23		

Field Personnel:	NIN				Location:	Duck	Cre	es	
Weather:	Sumu 80)-920	F, wind SE1	Mamo	Environment:	Gras			
Multiparamete)		Aquatroll		(100)	Serial Number:	7394	149	
Water Lev	vel Meter	Make:	Herry	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	AVA	MSI	023067-01	3/14/2025
pH 7.00a	(0.99	s.u.	±0.1 s.u.	8	1	1	MSI	023051-02	2/21/2025
pH 10.00a	9.92	s.u.	±0.1 s.u.	P			MSI	022361-01	12/27/202
SC Zero (DI)	17.99	μS/cm	0<25 μS/cm	9			Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2203.T	μS/cm	±5%	5	UPS	2000.0	Geotech	3GA1071	Jan-24
ORP	713.3	mV	±15 mV	0	10	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%	0	1	1	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0:00	NTU	<2 NTU	3	1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h			121110	-		-		1.9.1(2.)	,
-	(Initial Calibr		erification)		Time:	01970			
	1			D (F)			NA	1.449	-
Buffer	Check Value	Units	Range	Pass/Fail	11011	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.21	s.u.	±0.15 s.u.	+	Calibro		Geotech	2GE870	May-24
pH 7.00b	6.82	S.U.	±0.15 s.u.	1	Calibrate	1.	Geotech	2GF113	Jun-24
рН 10.00Ь	9.85	s.u.	±0.15 s.u.	F		I A	Geotech	2GE820	May-24
SC 1000	120.85	μS/cm	±5%	-	calibrat	L HAATIO	Ricca	4209A12	Aug-23
Approx. every 4 h						NV	110:27		
CCV (Continue	ed Calibration	Verific	ation):		Time:	11061	16:27		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.04	s.u.	±0.1 s.u.	Y	2	NIA	MSI	023067-01	3/14/2025
pH 7.00a	6.98	s.u.	±0.1 s.u.	1	Y		MSI	023051-02	2/21/2025
pH 10.00a	9,90	s.u.	±0.1 s.u.	P	1		MSI	022361-01	12/27/202
SC 1000	103901	μS/cm	±5%	F	yes	1000.0	Ricca	4209A12	Aug-23
DO (Zero pt)	0.07	mg/L	±0.1 mg/L	9	2	NIA	Macron	#000228049	8/26/2025
Turbidity (DI)	0.70	NTU	<2 NTU	0	7	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only or	ie well		1					
CCV (Continue	ed Calibration	Verific	ation):	1	Time:				
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	CHECK VAIVE	S.U.	±0.1 s.u.	1 433/1 qll	Contrater	, anjusted reading	MSI	023067-01	3/14/2025
7.00a		s.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
10.00a		S.u.	±0.1 s.u.	1	1	1	MSI	023051-02	12/27/2023
SC 1000		μS/cm	±0.1 s.u.	1	1	1	Ricca	4209A12	Aug-23
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1		Macron		8/26/2025
Turbidity (DI)	1	NTU	<2 NTU	1	1	-	Pace Labs	N/A (DI)	N/A (DI)
Comments:		NIO.	1 12 11 10				rece Labs	[INTA (DI)	IN/A (DI)
	n	_	1			71251	22		
Signature:	114	A -	1.111	Λ	Date:	ローココンへ	/ _		

Field Personnel:	K5/2 1	An-	5			Location:	DVC	5 cr	cuK		
Weather:	75°+0	93	· Sunnh			Environment:	Or	h			
Multiparamete	r Water Meter	Make:	HariBa	Mo	del:	U5000	Seria	Number:	PW20	4503	,
Water Lev	rel Meter	Make:	Heron	Mo	dėl:	water tape	Seria	al Number:	/	2202	13MI
Buffer	Check Value	Units	Range	Pass,	/Fall	Calibrate?	Adjuste	d Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4,09	s.u.	±0.1 s.u.	1		No	N	a	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 µ5/cm						Pace Labs	N/A (DI)	N/A (DI)
SC 2000	2050	μS/cm	±5%						Geotech	3GA1071	Jan-24
ORP	214	mV	±15 mV						InSitu	20-100	7 011-23
DO (Zero pt)	0.01	mg/L	±0.1						Macron	#000228049	8/26/2025
DO (Saturated)	98.00	%	97-100%		1	. 0			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0	UTM	<2 NTU	1	//	8		0	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well									
ICV	(Initial Calibr	ation V	erification)			. Time:	08	-47			
Buffer	Check Value	Units	Range	Pass	/Fail	Actio	n.Taken?		Manufacturer	Lot#	Exp.
oH 4.00b	400	5.tt.	±0.15 s.u.	17	,		10		Geatech	2GE870	Mar-24
pH 7.00b	- 7.02	5. u.	±0.15 s.u.				1		Geotech	2GC931	Mar-24
H 10.00b	9:99	5.U.	±0.15 s.u.						Geotech	2GE820	May-24
SC 1000	1920	μS/cm	±5%		h		M		Ricca	4207N97	Jul-24
Approx. every 4 h	rs, unless only on	e well			7						
CCV (Continue	d Calibration	Verific	ation):			Time:	N	A			
Buffer	Check Value	Units	Range	Pass	/Faif	Calibrate?	Adjuste	d Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	/	s.u.	±0.1 s.u.		1	/		/	MSI	1.344-09	12/14/2023
pH 7.00a	/	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	1	μS/cm	±5%	1				/	Ricca	4207N97	Jul-24
DO (Zero pt)	/	mg/L	±0.1 mg/L /	1		/	1		Macron		8/26/2025
Turbidity (Di)		NTU	<2 NTU /		,		/		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	, 23			
Buffer	Check Value	Units	Range	Pass	Æail	Calibrate?	Adjuste	d Reading	Manufacturer	Lot#	Ехр.
4.00a	4.02	s.u.	±0.1 s.u.	I	1	M		Na	MSI	L344-09	12/14/2023
7.00a	7.08	s.u.	±0.1 s.u.						MSI	L343-07	12/9/2023
10.00a	10.00	s.u.	±0.1 s.u.						MSI	M082-04	3/25/2024
SC 1000	(013	μS/cm	±5%						Ricca	4207N97	Jul-24
DO (Zero pt)	021	mg/L	±0.1 mg/L		1//	10			Macron	#000228049	8/25/2025
Turbidity (DI)	0.	NTU	<2 NTU	1	7	V	1	11	Pace Labs	N/A (DI)	N/A (DI)
Comments:	NA						1	1			
	Heles	1		_	-			-	-~20		

	A 35 a 3					libration	^		
Field Personnel:	NM				Location:	DUCK	Creek)	
Weather:	surry 74	- 98° F	wind 4 mp	in sse	Environment:	Gra	ISS		
Multiparamete	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	N	NIA	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%	6	425	2000.0	Geotech	3GA1071	Jan-24
ORP	21(0.0)	mV	±15 mV	P	ON	NIA	InSitu	3GD927	Jan-24
DO (Zero pt)	0.09	mg/L	±0.1	0	N.	1	Macron	#000228049	8/26/2025
DO (Saturated)	98.71	%	97-100%	V			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.01	NTU	<2 NTU	0	1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs, unless only on	e well		1				-	
	(Initial Calibr		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	V	1	Geotech	2G£870	May-24
pH 7.00b	(9.90	S.U.	±0.15 s.u.	2		\	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%	E	Calibrate	- 10000-0	Ricca	4209A12	Aug-23
Approx. every 4 h					Q-VIII DE DE S	IVA A ZBC Z		-	
CCV (Continue			ation):		Time:	110:17			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.09	S.U.	±0.1 s.u.	P 433/1 4k	N N	N/A	MSI	023067-01	3/14/2025
pH 7.00a	7 70	S.u.	±0.1 s.u.	=	45	7.00	MSI	023051-02	2/21/2025
	10.05	5.U.	±0.1 s.u.	^	92	MA	MSI	022361-01	12/27/202
pH 10.00a SC 1000	1043.0	μ5/cm	±5%	¥	ues	0.000	Ricca	4209A12	Aug-23
	0.03		±0.1 mg/L	Q	ON	NA	Macron	#000228049	8/26/2025
DO (Zero pt) Turbidity (DI)	0.95	mg/L NTU	<2 NTU	80	7	7	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h			ZNIO				i dec Edds	14/14/2019	1477 (01)
CCV (Continue			ation).		Time:		1		
_	Check Value	_	_	Dace/Eail		Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	Click value	S.U.	±0.1 s.u.	ass/rall	Complete	, ajouted nepoling	MSI	023067-01	3/14/2025
7.00a	1	ş.u.	±0.1 s.u.		1	1	MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.	1	-		MSI	022361-01	12/27/202
SC 1000	1	μS/cm	±5%	1	1	1	Ricca	4209A12	Aug-23
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	
Turbidity (DI)		NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
Comments:		1110	ZIVIO		1	1	1. 245 5000	1.4. (2.4)	'also freely
Committee its.									
COMMITTE ILL.									

BC

DC-257-204

Field Personnel:	55/4	رمها	×		Location:	OVCK (CCK		
Weather:	0100	(V)	h		Environment:	Ory			
Multiparameter	4		HoriBa	Model:	V-5000	Serial Number:	P1126	Y JD	3
Water Lev	el Meter	Make:	HUM	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	Va	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%	1			Geotech	3GA1071	Jan-24
ORP	216	mV	±15 mV				InSitu	2G1762	Jun-23
DO (Zero pt)		mg/L	±0.1				Macron	#000228049	-
DO (Saturated)	97.10	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	1	NTU	<2 NTU	10	10	10	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s. unless only on						THE DADS	1477 (01)	IN/A (DI)
	(Initial Calibra		orification		Time:	10.72	1		
				loss tratt		10.4)			
Buffer	Check Value	Units	Range	Pass/Fail	Action	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.00	s.u.	±0.15 s.u.	1	N	A-	Geotech	2GE870	Mar-24
pH 7.00b	6.93	5.U.	±0.15 s.u.				Geotech	2GC931	Mar-24
pH 10.00b	10.00	5.U.	±0.15 s.u.	10		7	Geotech	2GE820	May-24
SC 1000	1000	μ5/cm	±5%	0		/	Ricca	4207N97	Jul-24
Approx. every 4 hr					-	. 7.	1		
CCV (Continue	d Calibration	Verific	ation):		Time:	NA			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	/	s.u.	±0.1 s.u.	/		/	MSI	L344-09	12/14/2023
pH 7.00a		5.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	#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			-				
CCV (Continue	d Calibration	Verific	ation):		Time:		1		
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	Officer value	s.u.	±0.1 s.u.	7 03371 011	Cumprate.	Nojastea neoda iB	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	MD82-04	3/25/2024
SC 1000		μ5/cm	±5%				Ricca	4207N97	Jul-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron		8/26/2025
								inter (mil	INTO (DI)
Turbidity (DI) Comments: Signature:	Mes	NTU	<2 NTU		Date:	7-27	Pace Labs	N/A (DI)	N/A (DI)

Field Personnel:	KL JR				Location:	DUCK C	re RR		
Weather:	750	SUN	~ h		Environment:	Drh			
Multiparameter	r Water Meter	Make:	Horiba	Model:	V-5000	Serial Number:	PW26	470	7
Water Lev	el Meter	Make:	Heran	Model:	Water	Serial Number:	19172	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.	NPA	1/2	MSI	L344-09	12/14/202
pH 7.00a	693	S.U.	±0.1 s.u.			1	MSI	L343-07	12/9/2023
pH 10.00a	10.07	S.U.	±0.1 s.u.				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	2030	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!)	0	NTU	<2 NTU	10		4	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unless only on	e welf							
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		1/1/1	Geotech	2GE870	Mar-24
				1		1	Cantach		
pH 7.00b	47 9 0	5.U.	±0.15 S.G.	1 1		1	Geotech	260931	IMar-24
	6,99	5.u. S.u.	±0.15 s.u.			1	Geotech	2GC931 2GE820	Mar-24 May-24
pH 7.00b pH 10.00b SC 1000	4-1-1	s.u. µS/cm	±0.15 s.u. ±0.15 s.u.	1		1	Geotech Ricca	2GE820 4207N97	Mar-24 May-24 Jul-24
pH 10.00b SC 1000	1016	s.u. µS/cm	±0.15 s.u.	6		1	Geotech	2GE820	Мау-24
pH 10.00b SC 1000 Approx, every 4 hi	10 (6 rs, unless only on	s.u. µS/cm e well	±0.15 s.u. ±5%	4	Time:	1/4	Geotech	2GE820	Мау-24
pH 10.00b SC 1000 Approx, every 4 hi CCV (Continue	10 (0 rs, unless only on ed Calibration	s.u. µS/cm e well Verific	±0.15 s.u. ±5% ation):	Pass/Fail	Time:	Adjusted Reading	Geotech Ricca	2GE820 4207N97	May-24 Jul-24
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer	10 (6 rs, unless only on	s.u. µS/cm e well Verific Units	±0.15 s.u. ±5% ation):	Pass/Fail	Time: Calibrate?	Adjusted Reading	Geotech Ricca Manufacturer	2GE820 4207N97	May-24 Jul-24 Exp.
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a	10 (0 rs, unless only on ed Calibration	s.u. µS/cm le well Verific Units s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u.	Pass/Fail		Adjusted Reading	Geotech Ricca Manufacturer MSI	2GE820 4207N97 Lot# L344-09	May-24 Jul-24 Exp. 12/14/2023
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a	10 (0 rs, unless only on ed Calibration	s.u. µS/cm le well Verific Units s.u. s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u.	Pass/Fail		Adjusted Reading	Geotech Ricca Manufacturer MSI MSI	2GE820 4207N97 Lot# L344-09 L343-07	May-24 Jul-24 Exp. 12/14/202: 12/9/2023
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a	10 (0 rs, unless only on ed Calibration	s.u. µS/cm e well Verific Units s.u. s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pass/Fail		Adjusted Reading	Geotech Ricca Manufacturer MSI MSI	2GE820 4207N97 Lot# L344-09 L343-07 M082-04	Exp. 12/14/2023 12/9/2023 3/25/2024
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000	10 (0 rs, unless only on ed Calibration	s.u. µS/cm e well Verific Units s.u. s.u. µS/cm	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pass/Fail		Adjusted Reading	Geotech Ricca Manufacturer MSI MSI MSI Ricca	Lot# L344-09 L343-07 M082-04 L207N97	Exp. 12/14/202: 12/9/2023 3/25/2024 Jul-24
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt)	10 (0 rs, unless only on ed Calibration	s.u. µS/cm e well Verific Units s.u. s.u. s.u. µS/cm mg/L	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L	Pass/Fail		Adjusted Reading	Manufacturer MSI MSI Ricca Macron	Lot# L344-09 L343-07 M082-04 4207N97 #000228049	Exp. 12/14/202: 12/9/2023 3/25/2024 Jul-24 8/26/2025
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI)	rs, unless only oned Calibration Check Value	s.u. µS/cm e well Verific Units s.u. s.u. yS/cm mg/L NTU	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pass/Fail		Adjusted Reading	Geotech Ricca Manufacturer MSI MSI MSI Ricca	Lot# L344-09 L343-07 M082-04 L207N97	Exp. 12/14/202: 12/9/2023 3/25/2024 Jul-24
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI)	rs, unless only on Check Value	s.u. µS/cm e well Verific Units s.u. s.u. µS/cm mg/L NTU e well	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/L <2 NTU	Pass/Fail	Calibrate?		Manufacturer 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 10.00b SC 1000 Approx. every 4 hr CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue	rs, unless only on check Value	s.u. µS/cm we well Verific Units s.u. s.u. µS/cm mg/L NTU we well Verific	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5% ±0.1 mg/l <2 NTU		Calibrate? Time:	15.00)	Manufacturer MSI MSI Ricca Macron Pace Labs	Lot# L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI)	Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI)
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer	rs, unless only on check Value check Value check Value check Value	s.u. µS/cm we well Verific Units s.u. s.u. yS/cm mg/L NTU we well Verific Units	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 mg/L <2 NTU ation): Range	Pass/Fail	Calibrate? Time: Calibrate?	15:00) Adjusted Reading	Manufacturer MSI MSI Ricca Macron Pace Labs Manufacturer	Lot# L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI)	Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI)
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer	rs, unless only on Check Value	s.u. µS/cm we well Verific Units s.u. s.u. µS/cm mg/L NTU we well Verific Units s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u.		Calibrate? Time:	15.00)	Manufacturer MSI MISI Ricca Macron Pace Labs Manufacturer MSI	Lot# L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI)	Exp. 12/14/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023
pH 10.00b SC 1000 Approx. every 4 hi CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hi CCV (Continue Buffer 4.00a 7.00a	rs, unless only on check Value	s.u. µS/cm we well Verific Units s.u. s.u. µS/cm mg/L NTU we well Verific Units s.u. s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 mg/l <2 NTU ation): Range ±0.1 s.u. ±0.1 mg/l <2 NTU		Calibrate? Time: Calibrate?	15:00) Adjusted Reading	Manufacturer MSI MISI Ricca Macron Pace Labs Manufacturer MSI MSI MISI MISI MISI MISI MISI MISI	Lot# L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) Lot# L344-09 L343-07	Exp. 12/14/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023
pH 10.00b SC 1000 Approx. every 4 hr CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a 10.00a	rs, unless only on check Value	s.u. µS/cm we well Verific Units s.u. s.u. µS/cm mg/L NTU we well Verific Units s.u. s.u. s.u. yS/cm mg/L NTU se well Verific units s.u. s.u. s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 mg/l <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.		Calibrate? Time: Calibrate?	15:00) Adjusted Reading	Manufacturer MSI MISI Ricca Macron Pace Labs Manufacturer MSI MSI MISI MISI MISI MISI MISI MISI	Lot# L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) Lot# L344-09 L343-07 M082-04	Exp. 12/14/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023 3/25/2024
pH 10.00b SC 1000 Approx. every 4 hr CCV (Continue Buffer pH 4.00a pH 7.00a 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	rs, unless only on check Value	s.u. µS/cm we well Verific Units s.u. s.u. µS/cm mg/L NTU we well Verific Units s.u. µS/cm yS/cm mg/L NTU we well Verific Units s.u. s.u. s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 mg/l <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.		Calibrate? Time: Calibrate?	15:00) Adjusted Reading	Manufacturer MSI MISI Ricca Macron Pace Labs Manufacturer MSI MSI Ricca Manufacturer MSI MSI MSI Ricca	Lot# L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) Lot# L344-09 L343-07 M082-04 4207N97	Exp. 12/14/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023 3/25/2024 Jul-24
pH 10.00b SC 1000 Approx. every 4 hr CCV (Continue Buffer pH 4.00a pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (DI) Approx. every 4 hr CCV (Continue Buffer 4.00a 7.00a 10.00a	rs, unless only on check Value	s.u. µS/cm we well Verific Units s.u. s.u. µS/cm mg/L NTU we well Verific Units s.u. s.u. s.u. yS/cm mg/L NTU se well Verific units s.u. s.u. s.u.	±0.15 s.u. ±5% ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 mg/l <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.		Calibrate? Time: Calibrate?	15:00) Adjusted Reading	Manufacturer MSI MISI Ricca Macron Pace Labs Manufacturer MSI MSI MISI MISI MISI MISI MISI MISI	Lot# L344-09 L343-07 M082-04 4207N97 #000228049 N/A (DI) Lot# L344-09 L343-07 M082-04	Exp. 12/14/2023 3/25/2024 Jul-24 8/26/2025 N/A (DI) Exp. 12/14/2023 12/9/2023 3/25/2024

Field Personnel:	JR	K	2		location:	Duek	Creek		
Weather:	700-8	\$50	my wi	nd 3-6	Environment:	gras;	5		
Multiparamete	Water Meter	Make:	Horiba	Model:	U500	Serial Number:	PW20	YJD	3
Water Lev	el Meter	Make:	Heron	Model:	1900	Serial Number:		2202	
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Екр.
pH 4.00a	344	s,u.	±0.1 s.u.	18,	N	1	MSI	023067-01	3/14/2025
pH 7.00a	6.95	s.u.	±0.1 s.u.	1			MSI	023051-02	2/21/2025
pH 10.00a	4.48	5.U.	±0.1 s.u.			1	MSI	022361-01	12/27/202
SC Zero (DI)	0.0	µS/cm	0<25 µS/cm			1	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	7000	µS/cm	±5%				Geotech	3GA1071	Jan-24
ORP.	2.39	m۷	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0.04	mg/L	±0.1				Macron	#000228049	
DO (Saturated)	18.5	%	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 h	s unless only or		41110	1-				1.47. (0.4	וופן אנאן
	(Initial Calibr		orification)		Time:	920			
		1 7		In 10 11					
Buffer	Check Value	Units	Range	Pass/Fail	Actio	a Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.01	S.U.	±0.15 s.u.	T		/	Geotech	2GE870	May-24
рН 7.00Ь	7.00	5.U.	±0.15 s.u.				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%	-			Ricca	4209A12	Aug-23
Approx. every 4 h									
CCV (Continue	d Calibration	Verific	ation):		Time:	1515			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	402	s.u.	±0.1 s.u.				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	12/27/202
SC 1000	1020	μS/cm	±5%				Ricca	4209A12	Aug-23
DO (Zero pt)	0.04	mg/L	±0.1 mg/L	1			Macron	#000228049	
Turbidity (DI)	0.0	NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	9.0		421110				1 000 2000	- dector)	1477 (21)
CCV (Continue			etion).		Time:		1		
				Daine / Fail		Adhesia Daniina	* Manufactures	Last	P
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading		Lot#	Exp.
4.00a		s.u.	±0.1 s.u.				MSI	023067-01	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	25%				Ricca	4209A12	Aug-23
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:						1			
	7		Λ Λ			/	-		
Signature:	W	and.	R 1000		Date:	8/10	1/23		

APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT DUCK CREEK POWER PLANT, LANDFILL

Intact (Y/N) Project No./ Lab I.D. saidmas SAMPLE CONDITIONS DRINKING WATER 8 Custody of 000 Received on Ice (Y/N) REGULATORY AGENCY OTHER Page: Residual Chlorine (Y/N) D° ni qmeT GROUND WATER TIME DC-CLOSURE-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-527-205 D Analysis Test ÎN/A Other Methanol Vistra Corp Jason Stuckey see Section A Preservatives _EO_SS_SbN Junes David HOBN HCI X X X XXX ompany Name: X [⊅]OS^ZH 3 215 Section C V × × × × × TIME × × Unpreserved メメ reference Project Manager: Profile #: ddress: 112000 Ч 7 N # OF CONTAINERS 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 017 COLLECTED RELINQUISHED BY / AFFILIATION 7/18/13 123 (18/23 7/18/13 71/8/123 7/18/123 DATE 7118 A Jason Stuckey Required Project Information Report To: Brian Voelker ٥ ら 2285 57 57 ₹ 5 いい シアダ ೨ 2 ٥ MIG ががい 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 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 700 6.35 6535 5195 Section D Required Client Information Vistra Corp Requested Due Date/TAT: (217) 753-8911 S Section A Required Client Information: ddress: 12 13 44 15 7 9 œ 6 9 7 n 4 40 9 **~** # M3Ti

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Required Cleat Information:	Section B Required Project Information:	orma	Page: 2 of 7
Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey	
13498 E. 900th St	Copy To: Jason Stuckey	Company Name. Vistra Corp	REGULATORY AGENCY
		Address: see Section A NPDES	GROUND WATER DRINKING WATER
Brian Voelker@VistraCorp.com	Purchase Order No.:	Quote Reference:	RCRA OTHER
(217) 753-8911 Fax:	Project Name:	Project Site Location Manager	1050301 " mon
Requested Due Date/TAT: 10 day	Project Number: 2285		
	AND THE PROPERTY OF THE PROPER	Requested Analysis Filtered (Y/N)	(N/N)
Section D Valid Matrix Codes Required Client Information MATRIX COL	(H) (I)	Preservatives >	
SAMPLE ID WAR (A-Z, 0-9 / -) OTE WATER PRODUCT PRODUCT PRODUCT PRODUCT PRODUCT PRODUCT SOLUTION OF THE MARE TO THE TISSUE TISSUE	경 중 중 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등		DC-CLOSURE-201-202 DC-VPCP-203-206 DC-S11-204 Project No Lab I.D.
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1,725	9)440	2 × ×	
071C	1332	× × × × × × × × × × × × × × × × × × ×	
G. 70 i	1255	× × ×	
5193	1214	×	
6.660	11.35	-	
5671	1651	×	
6675 ER1	120	× × ×	
582	7 7 7	× × × × × × × × × × × × × × × × × × ×	
			TIME CONDITIONS
	RELINQUISHED BY I AFFILIATION	DATE TIME ACCEPTED BY AFFILIATION	181
DC-23Q3 Rev 0	7.7.	1/3/23 [746] (-18.2)	23 1716 8.4 Y N Y
	SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER:	PRINT Name of SAMPLER: James Dav : Dare Sloned	O° ni qms O° ce (V/V)

6.6.0412476 GES 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, LANDFILL Intact (Y/N) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER Cooler (Y/N) of Custody (N/Y) eal REGULATORY AGENCY 9 OTHER Received on a Page: Residual Chlorine (Y/N) Temp in °C ù GROUND WATER 174 TIME DC-CLOSURE-201-202 RCRA Requested Analysis Filtered (Y/N) DC-MbCb-503-509 7/24/123 DC-811-504 Site Location STATE: 7/24/23 DATE DC-S21-504 NPDES UST DC-842-503 DC-SQ1-S03 DC-842-501-505 DATE Signed (MM/DD/YY): ACCEPTED BY / AFFILIATION DC-842-502 DC-SUP-000 DC-527-205 Last sisylsnA IN/A Other grown Methanol Vistra Corp Jason Stuckey see Section A David Na2S2O3 S. **HOSN** HCI * * * * * * XXX KXX XX H_O³ 22 × XX Company Name. Jance × X DOS H 1 × × Section C Unpreserved X × XX TIME Address 7 44 4 # OF CONTAINERS 3 7/24/23 SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 1335 1335 1335 1260 1235 1206 1206 1206 7002 COLLECTED RELINQUISHED BY / AFFILIATION 7/24/23 DATE Copy To. Jason Stuckey Required Project Information Report To Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) B ourchase Order No. 11 roject Number: (yet of seboo biley set) MATRIX CODE roject Name Section B Valid Matrix Codes DRINNING WATER WATER WASTE WATER PROBUCT SOLUSOLIO 10 day Brian Voelker@VistraCorp.com DC-23Q3 Rev 0 ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sampte IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Requested Due Date/TAT: Section D Required Client Informa Vistra Corp (217) 753-8911 ORIGO 0220 Required Client Information 7466 9376 RACH 7980 6125 2486 24863 G095 Section A mail To Address POLICE 10 1 42 13 14 16 16 0 4 9 -N 3 ILEM #

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 6604 Project Name Site Location Phone. (217) 753-8911 Manager 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 S01250110 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-257-205 DC-257-203 DC-257-204 DC-811-204 SAMPLE TYPE Sample IDs MUST BE UNIQUE HCI NaOH Na₂S₂O₃ Methanol Residual ITEM # Project No./ Lab I.D. DATE 8 7125/23 1515 DM17 XXX 1424 OMOYS 2 XX Ei R 1201 0R040 3 2 1351 1310 10 RGIL 5 1219 16 X K 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 Intact (Y/N) SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: DATE Signed SIGNATURE of SAMPLER; (MM/DD/YY):

CHAIN-OF-CUSTODY / Analytical Request Document

Intact (Y/N) Project No./ Lab I.D. SAMPLE CONDITIONS DRINKING WATER TH099 Cooler (Y/N) Custody Sealed οť 2 Received on lce (Y/N) REGULATORY AGENCY OTHER Page: Residual Chlorine (Y/N) \mathcal{O} O° ni qmaT 3 GROUND WATER ≓ 1722 TIME DC-CFORNBE-501-505 RCRA DC-MbCb-503-506 23 Requested Analysis Filtered 7/25/23 STATE: OC-811-204 Site Location DATE 7/25 DC-267-204 NPDES UST DC-842-503 DC-527-203 OC-842-501-505 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 OC-SUP-000 DC-521-509 tseT sisylsnA ₽N/A Other aroun Methanol Sompany Name: Vistra Corp Dand Jason Stuckey see Section A 1 $Na_2S_2O_3$ Preservatives HOBN HCI Jares, Invoice Information €ОИН ²OS²H Section C こここと Unpreserved × TIME X Suote Reference Project Manager Profile # Attention: Address # OF CONTAINERS SAMPLER NAME AND SIGNATURE 7/25/23 PRINT Name of SAMPLER: SIGNATURE of SAMPLER: SAMPLE TEMP AT COLLECTION DATE 1426 606 142) 523 1556 24 COLLECTED RELINQUISHED BY / AFFILIATION 7/25/23 DATE Copy To: Jason Stuckey Section B Required Project Information: Report To: Brian Voelker 2285 SAMPLE TYPE (G=GRAB C=COMP) B -1 urchase Order No roject Number: (see valid codes to left) **AMATRIX CODE** roject Name Valid Matrix Codes 10 day Brian.Voelker@VistraCorp.com DC-23Q3 Rev 0 OM01 DUP ADDITIONAL COMMENTS G54S G57S G54L X301 (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE SAMPLE ID 13498 E. 900th St Section D Required Client Information Requested Due Date/TAT: Vistra Corp (217) 753-8911 Section A Required Client Information. mail To: hone Address 6 9 Ξ 12 13 4 5 9 4 40 9 80 62 1 # WBTI 7

CHAIN-OF-CUSTODY / Analytical Request Document

GG04636 VMW 7.16.23

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

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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

Laine Bellings

SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

GJ03962

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
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 GJ04997

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

ANALYTICAL RESULTS

Sample: GJ03962-01 **Name:** L103

Matrix: Leachate - Regular Sample

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

PO #: 1728919

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Anions - PIA									
Chloride	100	mg/L		11/02/23 22:19	25	25	11/02/23 22:19	CRD	EPA 300.0 REV 2.1
Sulfate	2100	mg/L		10/21/23 03:34	250	250	10/21/23 03:34	CRD	EPA 300.0 REV 2.1
Field - PIA									
Dissolved oxygen, Field	3.9	mg/L		10/20/23 14:20	1		10/20/23 14:20	FIELD	Field*
Oxidation Reduction	111	mV		10/20/23 14:20	1	-500	10/20/23 14:20	FIELD	Field*
Potential pH, Field Measured	8.43	pH Units		10/20/23 14:20	1		10/20/23 14:20	FIELD	Field*
Specific Conductance, Field	4846	umhos/cm		10/20/23 14:20	1		10/20/23 14:20	FIELD	Field*
Measured Temperature, Field	17.7	°C		10/20/23 14:20	1		10/20/23 14:20	FIELD	Field*
Measured Turbidity, Field Measured	1.37	NTU		10/20/23 14:20	1	0.00	10/20/23 14:20	FIELD	Field*
General Chemistry - PIA									
Alkalinity - bicarbonate as	200	mg/L		11/01/23 09:54	1	10	11/01/23 09:54	CPS	SM 2320B 1997*
CaCO3 Alkalinity - carbonate as CaCO3	< 10	mg/L		11/01/23 09:54	1	10	11/01/23 09:54	CPS	SM 2320B 1997*
Fluoride	0.638	mg/L		11/08/23 14:05	1	0.250	11/08/23 14:05	ANK	SM 4500F C 1997
Solids - total dissolved solids (TDS)	3600	mg/L	B2	10/26/23 12:30	1	34	10/26/23 14:59	CPS	SM 2540C
Total Metals - PIA									
Boron	15000	ug/L		10/23/23 09:11	100	200	10/26/23 12:45	TJJ	EPA 6020A
Calcium	130	mg/L		10/23/23 09:11	5	0.20	10/25/23 17:24	TJJ	EPA 6020A
Magnesium	45	mg/L		10/23/23 09:11	5	0.10	10/25/23 17:24	TJJ	EPA 6020A
Potassium	16	mg/L		10/23/23 09:11	5	0.10	10/25/23 17:24	TJJ	EPA 6020A
Sodium	970	mg/L		10/23/23 09:11	100	2.0	10/26/23 12:45	TJJ	EPA 6020A

Sample: GJ04997-02 **Name:** G12S

Matrix: Ground Water - Grab

Sampled: 10/27/23 12:21 **Received:** 10/27/23 16:49

PO #: 1728919

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Field - PIA									
pH, Field Measured	7.41	pH Units		10/27/23 12:21	1		10/27/23 12:21	FIELD	Field*

pH Units

7.11

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

ANALYTICAL RESULTS

Sample: GJ04997-03 **Name:** G15S

Matrix: Ground Water - Grab

Sampled: 10/27/23 11:03

Received: 10/27/23 16:49 **PO #:** 1728919

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method

Field - PIA

1

10/27/23 11:03

pH, Field Measured
Sample: GJ04997-10

Name: G06S

Matrix: Ground Water - Grab

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

FIELD

Field*

PO #: 1728919

10/27/23 11:03

Unit Qualifier Dilution MRL Method Parameter Result Prepared Analyzed Analyst Total Metals - PIA Calcium 270 mg/L 11/02/23 08:47 0.20 11/09/23 10:52 TJJ EPA 6020A

QC SAMPLE RESULTS

			_	Spike	Source	0/=	%REC		RPD
Parameter	Result	Unit	Qual	Level	Result	%REC	Limits	RPD	Limi
Batch B347107 - SW 3015 - EPA 6020A									
Blank (B347107-BLK1)				Prepared: 1	0/23/23 Analy	/zed: 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)					0/23/23 Analy	'			
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		
Batch B347137 - IC No Prep - EPA 300.0 REV 2.1									
Calibration Blank (B347137-CCB1)				Prepared &	Analyzed: 10/	20/23			
Sulfate	0.00	mg/L							-
Calibration Check (B347137-CCV1)				Prepared &	Analyzed: 10/	20/23			
Sulfate	4.84	mg/L		5.000		97	90-110		
Batch B347490 - No Prep - SM 2540C									
Blank (B347490-BLK1)				Prepared &	Analyzed: 10/	26/23			
Solids - total dissolved solids (TDS)	< 17	mg/L			7 inaly 20 at 107	20/20			
LCS (B347490-BS1)		9. =		Prepared &	Analyzed: 10/	26/23			
Solids - total dissolved solids (TDS)	917	mg/L		1000	,	92	84.9-109		
Batch B348049 - SW 3015 - EPA 6020A									
<u> </u>				Droparad: 1	1/02/23 Analy	rad: 11/00/23			
Blank (B348049-BLK1) Calcium	< 0.20	ma/l		Prepared. I	1/02/23 Analy	/zea. 11/09/23	1		
	< 0.20	mg/L		Droparad: 1	1/02/23 Analy	rad: 11/00/23			
LCS (B348049-BS1) Calcium	5.60	mg/L		5.556	1/02/23 Allaly	101	80-120		
	Sample: GJ049	-			1/02/23 Analy				
Matrix Spike (B348049-MS1) Calcium	233	mg/L	Q4	5.556	229	70	75-125		
Matrix Spike Dup (B348049-MSD1)	Sample: GJ049	-	QТ		1/02/23 Analy				
Calcium	235	mg/L		5.556	229	108	75-125	0.9	20
Batch B348218 - IC No Prep - EPA 300.0 REV 2.1		· ·							
·				D	A l . 44 /	00/00			
Calibration Blank (B348218-CCB1) Chloride	0.00	mg/L		Prepared &	Analyzed: 11/	02/23			
Calibration Check (B348218-CCV1)	0.00	mg/L		Prepared &	Analyzed: 11/	02/23			
Chloride	4.86	mg/L		5.000		97	90-110		
Batch B348569 - No Prep - SM 4500F C 1997									
•				Dropored o	Analyzadi 447	00/22			
Calibration Blank (B348569-CCB1)	0.0400	w /I		Prepared &	Analyzed: 11/	00/23			
Fluoride	0.0190	mg/L		Dec 1 ^	Analyzed: 11/	00/00			
Calibration Blank (B348569-CCB2)					4 Dan/764: 11/				

QC SAMPLE RESULTS

Parameter	Result	Unit	Qual	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Calibration Check (B348569-CCV1)				Prepared &	Analyzed: 11/	08/23			
Fluoride	0.685	mg/L		0.7000		98	90-110		
Calibration Check (B348569-CCV2)				Prepared &	Analyzed: 11/	08/23			
Fluoride	0.698	mg/L		0.7000		100	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

- B2 Contamination does not impact data since sample result is greater than ten times the contamination level found in the blank.
- 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

TNI

Certified by: Diane Billings, Project Manager

6365069

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

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Figure Company Compa	mpany:	Vistra Corp-Duck Creek	Report To: Brian	Voell	ker			Attenti	ou:	Briar	n Voelk	ker													М	Ш		
Continue List Continue Co	fress:	17751 North Cilco Rd		Davies	: samantha.davie:	@vistracorp.con	6	Сотр	any Na		Vistra (Corp										2	EGUL/	ATOR	AGE	NCY		
Sample Control Contr		Canton, IL 61520	Daryl	Johns	on: Robert Johnst	on@vistracorp.cc	E.	Addres	:52:	see	Section	N A							NPDE	S	٥	SROU	ND WA	TER		DRINKIN	IG WATE	
Sample To Sample Sampl	ail To:	Brian.Voelker@VistraCorp.com	Purchase Order N					Quote	:00										UST		_	RCRA			OTH	ER		
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APPENDIX A.
ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

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17751 North Cilco Rd Copy To: Sam Davies: semantha.davies@wistracorp.com	17751 North Cilco Rd Copy To: Sam Davies: sementha.davies@wistracorp.com	Canton, IL 61520 Carton, Clico Rd Copy To: Sam Davies: semantha.davies@wistracorp.com Address: see Section A Canton, IL 61520 Dary Johnson: Robert.Johnson@vistracorp.com Address: see Section A Canton, IL 61520 NPDES GROUND WATER One Dary Johnson Content of Selevance.	17751 North Cilco Rd Copy To: Sam Davies: semantha.davies@vistracorp.com Canton, IL 61520 Dary Johnson: Robert.Johnson@vistracorp.com Address: see Section A NPDES GROUND WATER	17751 North Cilco Rd Copy To: Sam Davies: sementha.davies@vistracorp.com Company Name: Vistra Corp							-			- 1				-		ì					Je)	Voel	ian	8	: 6	ttent	× '							eiker	u Vo	Briar	1 10:	Зерог				ek	Cre	Ouck	orp-	tra C	Vist		ympan,	ζ [Report To: Brian Voelker Attention:

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

Company Visita Corp-Duck Creek Required Project Information: Company Corp To: Sam Davies Samantha davies@visitacorp.com Canton, IL 61520 Dary Johnson, Robert_Johnson@visitacorp.com Project Name: Project Number: 2285 Project Number:	ter: samantha davies@vistracorp.com on: Robert.Johnson@vistracorp.com	Attention: Brian Voelker Company Name: Vieto Com			1020	Page:	en en	10
17751 North Clico Rd Report To.	emantha.davies@vistraco Robert.Johnson@vistrac	Bria			- DEGIII			:
Canton, IL 61520 Capy To: Canton, IL 61520	samaniha.davies@vistracorp.com.	l			DEGIII			:
Cantion, IL 61520 (217) 753-8911	on: Robert Johnson@vistracorp.com				1	REGULATORY AGENCY	ENCY	
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Company Vistra Corp-Duck Creek	Report To: Brian Voelker	ı		Atte	Attention:	Bris	Brian Voelker	ker																
Address: 17751 North Cilco Rd	Copy To: Sam Davies:	Sam Davies: samaniha.davies@vis	ristracorp.com	Con	Company Name.	me.	Vistra Corp	Corp										REG	REGULATORY	ORY	AGENCY	CY		
Canton, IL 61520	Daryl Johnson	Dary Johnson: Robert Johnson@w	vistracorp.com	Add	Address:	800	Section	N A						Z	NPDES		GR	OUNE	GROUND WATER	E.	ā	RINKIN	DRINKING WATER	œ
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Phone: (217) 753-8911 Fax:	Project Name:			Project	7 dec									-	Site Lo	Site Location	c		9					
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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 Numb	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
BA01	DC-BA01	205	ВАВ	10/16/23	1435	16,25		861
BA01C	DC-BA01!C	205	ВАВ	1	1439	16.07		9
BA01L	DC-BA01!L	205	ВАВ		1437	17.15		
BA02	DC-BA02	205	ВАВ		1423	13.03	U:6/19/23 GKJ	
BA02L	DC-BA02!L	205	ВАВ		1425	1	Top of Pump	
BA03	DC-BA03	205	ВАВ		1324	11.06	,	
BA03L	DC-BA03!L	205	ВАВ	1	1320	10.85		
BA04	DC-BA04	205	ВАВ		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 P02D	
G03L	DC-G03IL	204	LF		503	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 Puns	
G09L	DC-G09!L	204	LF		1121	21.37		
G09S	DC-G09#S	204	LF	1	1118	22.33	,	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
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 Pump	
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		1090	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 Num!	Unit Name	Date	Time	Measured Depth to Water (ft bmp)	Comments	Initials
G58S	DC-G58#S	203	GMF	10/16/23	1030	29.05		BG
G59L	DC-G59!L	203	GMF	1	1034	29.09		
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#S	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		0906	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:

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		BG
G72L	DC-G72!L	203	GMF	i	0923	21.40		1
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	OROUS	
OM05S	DC-OM05#S	201-202	AP1/2		1257	2221		
ОМ07	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		
OM23S	DC-OM23#S	201-202	AP1/2		1403	42,47		
OM23D	DC-OM23&D	201-202	AP1/2		1407	38.95		
OM24D	DC-OM24&D	201-202	AP1/2		1	\	Not Accessible	
OM25S	DC-0M25#S	201-202	AP1/2		1436	16.20		
OM25D	DC-OM25&D	201-202	AP1/2	1	1440	58,26		1

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
OR02	DC-OR02	201-202	AP1/2	0/16/23	1254	7.81		BG
OR03S	DC-OR03#S	201-202	AP1/2		1242	45.92		1
OR03D	DC-OR03&D	201-202	AP1/2		1118	45.45		
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#5	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		V.	7.10		
P36L	DC-P36!L	204	LF	1	1041	12.64		1

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		1

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

DC Plant:

Event: DC-23Q4 Rev 1

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			- 1		
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	į	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	MY EST BO	,
P52	DC-P52	203	GMF		1353	18.02	MW 52L	
P57L	DC-P57!L	203	GMF		1103	17.77		
P57S	DC-P57#\$	203	GMF		1105	17.39		
P60	DC-P60	203	GMF		1113	26.54		1

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		
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-R11!L	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	Dry	

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

	sleitinI	BG	-				~0			- S	-		_		-				-1
	Comments	NOT CONNECTED BG	NOTCONNETE		NOTCONACTE	Below Rung	Not Connedic			NOT CONNECTED									
	Batt (H/M/L/R)		/	H	/	8		2	Ž	/	£	Ñ	Ž	\$	Ž	Z	工	Ž.	٤
	Data down- loaded?	/	/	γ	/	>	/	У	^	/	>	^	>	٧	_	7	7	7	~
On-site Transducer Data	WL Reading on Transducer (ft)	/	/	DB.01	/	5608.37	/	572.70	571.06		404.41	599.90	60098	599.83	<97.83	596.69	586.02	FF-220	20.665
On-site Tr	Does Data Logger Serial No. Match?	٨	>	λ ,	^	\	٨	7	٨	7	Υ	>	^	,	^	٨	γ	7	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	11.00	10.85	7.75	26.60	24.70	14.23	18.80	19.61	21 89	28.00	24.80	18.65	26.67	24.58	25.50
	Time	1435	1423	1425	1324	1324	1442	1500	1500	449	113/	1144	11 58	1154	1422	1438	1841	1110	211
	Date	10/16/23/143	-										_						-1
	Unit Name	BAB	BAB	ВАВ	BAB	BAB	BAB	BAB	BAB	5	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	BA03L	BA04	BA05	BA06	G02S	G50S	G51S	G54L	G54S	G57S	G60L	9092	G64L	G64S

Page 1 of 3 Confidential

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

Page 2 of 3 Confidential

	alsitinI	BC			_	_													-1
	Соттепts					Not Cooperto	Not			Consched	Inaccessible	Connected				Connected		Cornected	Wir Cac
	Batt (H/M/L/R)	M	十		エ	/	1	エ	I	/	/	/	M	Z	エ	1	Z	/	/
	Data down- loaded?	/	1	7	7	1	1	7	1	/	/	/	X	7	1	/	>	1	/
On-site Transducer Data	WL Reading on Transducer (ft)	582.15	586,09		577.30	/	/	9.43	578.88	/	/	/	543. 4z	583.75	585,76	1	554.14	/	/
On-site Tr	Does Data Logger Serial No. Match?	λ	7	7	7	7	Y	7	Y	/	/	X	Y	7	1	7	7	7	/
	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.gu	15.26	12,66	30.08	38,95	/	58.20	7.81	HS. 45	21.87	15.14	33.28	14.72	せい エー
	Time	366	1057	1245	148	O.H	033	1050	13.35	407	/	1436	254	HHE	055	1235	1218	1903	1205
	Date	10/16/33/130	_								1								_
	9m 6N JinU	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/ 2	AP1/
	Unit Number	201-AP1/ 202 2	201- 202	201-AP1/ 202 2	201- 202	201- AP1/ 202 2	201- AP1/ 202 2	201-	201 AP1/ 202 2	201 AP1/ 202 2	201	201	201- AP1/ 202 2	201-	201-	201- AP1/ 202 2	201-	201-AP1/ 202 2	201-AP1/
	Unique ID	DC-OM01	DC-0M04#S	1				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	
	Well	OM01	OM04S	OM07	OM12	OM16	OM17	OMZ1	OM22D	OM23D	OM24D	OM255	OR02	ORO3D	OR04D	OR06A	OR11	OR13S	

								On-site T	On-site Transducer Data		2.0	
well	Unique ID	Unit Number	9msN tinU	Date	Тіте	Measured Depth to Water (ft bmp)	Data Logger Serial No.	Does Data Logger Serial No. Match?	WL Reading on down- Transducer (ft) loaded?	Data down- loaded?	Batt (H/M/L/R)	Соттепс
OR14D	DC-OR14&D	201	201 AP1/ 202 2	EK/91/01	Ø111	11.79	21615611	7	10.735	k	H	
OR19	DC-OR19	201-AP1/ 202 2	AP1/ 2	4	2411	1142 25.80	21615634	7	571.88	γ	M	
OR20	DC-OR20	201 AP1/ 202 2	AP1/ 2	+	1205	1205 22.30	21615610	7	565.16	7	W	

Initials

Duck Creek

	PLE POINT	G0	6S		Purge f	Method:	Desi	cated pr	mp
Date:	10/27	12023	Start Time:	1250)	Finish/Sa	ımple Time	13/0	,
Well Depth	(Bottom) Fro	om MP:		ft		Min. Purge V	/olume:	_~	Gal / L
Depth to Wa	ater From Mi	P:	23-05	ft		Total Purge	Volume:	1000	Gal/L
Water Colu	mn Length:			ft		Max Drawd	own:		ft -
Well Water	Volume:		· ·	Gal/L		Total Drawd	own:	0.00	ft
Reading	Time	Depth	Flow Rate	pН	Spec Cond	Temp	ORP	DO	Turb
(Units)	45-4-4	ft.	mL/min	s,u,	umhos/cm	deg C	mV	mg/L	NTU
1	1303	23.05	100	7-03	911	15.28	151	10.90	7/000
2	1305	23.05	100	7.02	919	15.22	151	10.73	71000
3	1307	23.05	100	7.02	922	15.10	151	10.72	71000
4									1
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:			toribu		1	Well Integri Well has ID Casing locke	sign	Yes	No
Sample App		reliabt c	Mod. □	Strong				-	1-
					-	Well cap fits		1	_
				Strong	-	Good seal/d	-	1	
Turb: □	No⊓e □	∣Slight □	Mod RL	Strong		Well has we	ep holes		
BOTTLE IN	FORMATIO								
		Itered		(1)	-	Filte	red		
Qty	Bottles	(n_1 1101)			Qty	Bottles	I HVIV3)		
	VOAs (C,V, 4 VOAS (C,V,					Metals (P,250 Ammonia (P,2		241	
		G,U 1000mL)				General (P,50		×+)	1
	Organics (A,					Coriorar (1 100	···-,		6
	TOC (A,V 40			1					
		0mL, H2SO4)		1					
	Metals (P,25								
*	Cyanide (P, 2	250mL, NaOH)							
		6,250mL, H2S0	04)						
	General (P, 2	250 mL)							
						-			
]	44.00	-	23	.05	
					Final	DTW:	41	ft ft	5
			^			16 1			
Comments	10	LS O	L Sed	inunt	12:	(Im	d like) 5	2 We
Comments	10	Ls o	F Sed	inunt	(2:	18 /m	id like	()	1 We
Comments	10	Ls o	i Sed	iment	(2:	1x/m	id like) :	n We



Duck Creek

WELL/SAM	PLE POINT	G1	28		Purge I	Wethod:	Desi	caut A	inf
Date:	10/2	7/2023	Start Time:	120	2	Finish/Sa	ample Time	122	-(
Well Depth	(Bottom) Fro	om MP:		ft		Min. Purge \	/olume:		Gal / L
Depth to Wa	ater From M	P:	25.80	ft		Total Purge	Volume:	1000	Gal/L
Water Colu	mn Length:			ft		Max Drawo	lown:		fi
Well Water	Volume:			Gal / L		Total Drawd	own;	0.90	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	1214	26-70	100	7.41	666	15.16	-109	3.30	23.8
2	1216	26.70	100	7.40	667	19.10	- 112	3.27	33.7
3	1218	26-70	100	741	667	15.06	- 14	3.20	31.4
4	-								
5									
Stabilization	NA	NA	NA	± 0.2	± 3%	±0.2	± 20	± 10% or 0,2	NA
Field Meter:			101;6a		1 1370	Well Integri		Yes	No
					-	Well has ID		1	
Sample App	earance:					Casing locke		1	
		∃ Slight □	Mod. □	Strong		Well cap fits			΄λ
Color 🗷				Strong		Good seal/d		J	- / -
				Strong	-	Well has we		1	
	ı	_		- 1 1. Ig		Troil flag its	op noide		
BOTTLE IN		N: Itered				Filte	wood		ř.
Qty	Bottles	itėi ėu		(i)	Qty	Bottles	neu		
uty	VOAs (C,V,	40ml HCL)		レソ	,	Metals (P,250	mL HNO3)		
	VOAS (C,V,					Ammonia (P,2		14)	
		G,U 1000mL)				General (P,50		,,	
	Organics (A,								
		mL, H2SO4)							
		0mL, H2SO4))				
	Metals (P,25	0mL, HNO3)							
	Cyanide (P, :	250mL, NaOH)			1				
		9,250mL, H2SC			1				
- 1	General (P, 1	250 m L) <i> 56</i>) ML						
					Final	DTW:	26.7	⁷ O ft	
Comments					7777	73117			
			0			1	The		
			Sampler's S	ignature:		•	/		



Duck Creek

TELEGOA!	APLE POINT		158	-	cated	71040			
Date:		1/2023	Start Time:	104	41	Finish/S	ample Time	1103	
Well Depth	(Bottom) Fr	om MP: A	orb 1211	0/23		Min. Purge	Volume:		Gal/L
Depth to W	ater From M	IP:	34.70	ft		Total Purge	Volume:	1000	Gal/L
Water Colu	mn Length:			ft		Max Draw	down:	_	ft
Well Water	Volume:			Gal /		Total Drawo	lown:	0.82	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	1053	35.50	100	7,18	707	16-19	230	6-43	19.1
2	1085	35.50	100	7.17	710	16.15	231	5-78	12.9
3	1057	35.50	100	7-13	712	16-13	233	5.69	140
4	1059	35.52	100	7-11	715	16.16	233	5,60	9,9
5								7,60	-2-1
Stabilization	NA	NA	NA	±0.2	± 3%	± 0.2	± 20	± 10% or 0.2	NA
Field Meter:			toriba			Well Integr	ity	Yes	No
C						Well has ID		1	
Sample App						Casing lock		1	·····
Odor: 5	None [□ Slight □	Mod.	Strong		Well cap fits	securely.		
Color [None 1	Slight [Mod. □	Strong		Good seal/o	Irainage	J	
Turb:	None E	Slight 🗆	Mod 🗆	Strong		Well has we	ep holes	1	
BOTTLE IN	FORMATIO	N:							
		iltered				Fat	ered		
Qty	Bottles			(1)	Qty	Bottles			
	VOAs (C,V,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Metals (P,250			
	VOAS (C,V,			essatelly and the same of the		Ammonia (P,		34)	
		,G,U 1000mL)				General (P,5	OOmL)		
	-	,G,U 500mL)				-			
		0mL, H2SO4)							
		50mL, H2SO4) 50mL, HNO3)							
		250mL, NaOH)						
		G,250mL, H2S							
		250ml) 150							
			Auto						
					1			~>	
					Final	DTW:	35.	フへれ	
Comments									
Comments								ALE	2

Duck Creek

	10/20/	2023	Start Time:	1407		Finish/Sa	ample Time:	142	0
epth to W	ater From M	P:	1.52	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	ואואן	1.52		8.43	4845.8	17.71	111.3	3.92	1.3-
	pearance:		47 600 1 Mod.	Strong		Well Integri Well has ID Casing locke Well cap fits	sign ed/secure	Yes	No X
					-				7
				Strong Strong	-	Good seal/d Well has we			~
	IFORMATIO			~			ор полос		X
OTTEL		tered		(-)		Filte	ered		1
Qty	Bottles			15/	Qty	Bottles			
	VOAS (C,V, 4					Metals (P,250		4)	
	VOAS (C,V, 4 Organics (A,0					Ammonia (P,2 General (P,50		+)	
	Organics (A,C					20110101111100	, citic,		
	TOC (A,V 40)	mL, H2SO4)							
	TOX (A,G 25								
	Metals (P,250			ni i i					
-	Cyanide (P, 2 Phenols (A,G								
T.	General (P, 2								
1			om 191251	CNI					
1	1- WWW	-							
1	FRANK								

Multiparameter Meter Field Calibration Checklist JZ Location: Field Personnel: WICK CREEK Weather: 440-606° SUNNENWIMPH **Environment:** GRASS, TREE, BUSHES, GRAVEL DW 26YJD3 Multiparameter Water Meter Make: Model: Serial Number: HORIBA V-5000 Water Level Meter Model: Make: Serial Number: Dipper 1 neron Calibrate? Buffer Check Value Units Range Pass/Fail Adjusted Reading Manufacturer Lot# Exp. 3.91 P pH 4.00a ±0.1 s.u. NA M51 S.U. MA 023067-01 3/14/2025 pH 7.00a 6.98 9 MSI 2/21/2025 ±0.1 s.u. 023051-02 s.u. 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 mV 3GD927 Jan-24 DO (Zero pt) mg/L ±0.1 Macron #000228049 8/26/2025 48.7 DO (Saturated) 97-100% Pace Labs % N/A (DI) N/A (DI) Turbidity (DI) 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: Pass/Fail Action Taken? Buffer Check Value Units Range 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. Geotech 2GF113 1,92 s.u. NA 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. ±0.1 s.u. 7 pH 4.00a 3.98 NA MSI 5.U. 023067-01 3/14/2025 pH 7.00a ±0.1 s.u. MSI 023051-02 (297 5.U. NA 2/21/2025 pH 10.00a 2 MSI ±0,1 s.u. 022361-01 10.01 5.U. MA 12/27/2024 Ricca SC 1000 PP µS/cm ±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% µS/cm Ricca 4209A12 Aug-24 DO (Zero ot) 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: 10/17/23 Date: Signature:



		0	1,		141	1 / 1	Checklist	-	
Field Personnel:	Joe	K.	eld		Location:	Vistra	Duck	Cree	K
Weather:	50-700	FP	art cloudy	9-17	Environment:	9 1255			
Multiparameter		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#	Exp.
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.	D			MSI	023051-02	2/21/2025
10.00a	10.00	s.u.	±0.1 s.u.	X			MSI	022361-01	12/27/2024
Zero (DI)	9.30	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
RP	240	mV	±15 mV	V			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)	0.0	NTU	<2 NTU	7	~		Pace Labs	N/A (Di)	N/A (Di)
	s, unless only on			/			1		
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	1	/	Geotech	2GE870	May-24
7.00b	7.00	5.U.	±0.15 s.u.		V/		Geotech	2GF113	Jun-24
10.00b	9.99	s.u.	±0.15 s.u.				Geotech	2GE820	May-24
1000	998.1	μS/cm	±5%	4			Ricca	4209A12	AUB-38 JU
	s, unless only on						1		
CV (Continue	d Calibration	Verific	ation):		Time:	1550			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
44.00a	4:01	s.u.	±0.1 s.u.	P	N		MSI	023067-01	3/14/2025
H 7.00a	7.05	s.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
H 10.00a	10.02	s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
C 1000	1010	μ5/cm	±5%				Ricca	4209A12	Aug-28, 24
O (Zero pt)	0.05	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
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	MSI	023067-01	3/14/2025
00a	1	S.U.	±0.1 s.u.	1		1	MŠI	023051-02	2/21/2025
).00a		s.u.	±0.1 s.u.	1	-	1	MSI	022361-01	12)27/2024
1000	-	μS/cm	±5%	1	1	1	Ricca	4209A12	Aug-23
O (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	
urbidity (DI)		NTU	<2 NTU	1			Race Labs	N/A (DI)	NYA (DI)
Comments:						`	1		
Signature:	On	Pul	AA		Date:	10/1	8/23		

Weather: Water Level		5-6 Make:	OF Wind Horiba	4-13 Mode	Environment:	0	reek P		
Water Level		Make:					7.0		
Buffer	Méter	_		IVIOUS	15020	Serial Number:	1W20	SKID	3
		Make:		Mode	Series	Serial Number:	IIFF	2209	305M
pH 4.00a	Check Value	Units	Ränge	Pass/F	ail Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
	4.01	5.U.	±0.1 s.u.	P	N		MSI	023067-01	3/14/2025
pH 7.00a	7.02	s.u.	±0.1 s.u.		1		MSI	023051-02	2/21/2025
pH 10.00a	10.00	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	2020	μS/cm	±5%				Geotech	3GA1071	Jan-24
ORP	240	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0.0	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.5	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	1	0	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hrs	, unless only on	e well				,			
ICV (Initial Calibr	ation V	erification)		Time:	930			
Buffer	Check Value	Units	Range	Pass/F	ail Actio	n Taken?	Manufacturer	Lot#	Exp.
oH 4.00b	396	s.u.	±0.15 s.u.	V	. 1/		Geotech	2GE870	May-24
pH 7.00b	699	s.u.	±0.15 s.u.	1	1		Geotech	2GF113	Jun-24
pH 10.00b	999	S.U.	±0.15 s.u.				Geotech	2GE820	May-24
SC 1000	995.8	μS/cm	±5%	1			Ricca	4209A12	
Approx. every 4 hrs.	unless only on	e well							A
CCV (Continued			ation):		Time:	1320			
Buffer	Check Value	Units	Range	Pass/F		Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.02	S.u.	±0.1 s.u.	D	A /	Adjusted Heading	MSI		3/14/2025
pH 7.00a	7.02	5.U.	±0.1 s.u.	1	1		MSI	023051-02	2/21/2025
pH 10.00a	1001	s.u.	±0.1 s.u.	1		1	MSI	022361-01	12/27/2024
SC 1000	1000	μS/cm	±5%	1			Ricca	4209A12	August A
DO (Zero pt)	2.0	mg/L	±0.1 mg/L	11			Macron	#000228049	
Turbidity (DI)	0 0	NTU	<2 NTU	1		1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hrs	unless only on	e well			1.			1.32.00	1.7
CCV (Continued	Calibration	Verific	ation):		Time:		1		
Buffer	Check Value	Units	Range	Pass/F		Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	CHECK VAIDE	s.u.	±0.1 s.u.	rassir	an Canoracc:	Adjusted Nedding	MSI	023067-01	3/14/2025
7.00a	1	s.u.	±0.1 s.u.	4	1	1	MSI	023051-02	2/21/2025
10.00a	1	s.u.	±0.1 s.u.	1	1	1	MSI	023051-02	12/27/2024
SC 1000	1	μS/cm	±5%	1		1	Ricca	4209A12	
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron		8/26/2025 N/A (DI)
Turbidity (D!)	-	NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
			- ITIU	1	VI	1		1.40	INTO (DI)

Field Personnel:	Lacan	10	SS		Location:	DUCKCE	EEK		
Weather:	Sunn 47°	-68°	longh NW		Environment:	beass, wood		VEL	
Multiparamete	r Water Meter	Make:	HORIBH	Model:	U-5000	Serial Number:	PWZ64		
Water Lev	el Meter	Make:	Heren	Model:	D: part	Serial Number:			ZHB
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.10	s.u.	±0.1 s.u.	P	NA	NA	MSI	023067-01	3/14/2025
вн.7.00а	7.06	s.u.	±0.1 s.u.	F			MSI	023051-02	2/21/2025
pH 10.00a	9.98	s.u.	±0.1 s.u.	9			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
ÖRP	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)	10	%	97-100%	P			Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	6	NTU	<2 NTU	P	NA	NA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only or	e well	717.		4.1	- IV p		45 4 7 7	147.(01)
	(Initial Calibr		erification)		Time:	6939			
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		Ricca	4209A12	Aug-24
Approx. every 4 hr			P. Ass. Christ	1.0	Was the Color Bar		1987 - 1		
CCV (Continue			ation):		Time:	1447	7 H. Stan San A		
Buffer	Check Value	Units.	1 52 - 2-12	Pass/Fail	Calibrate?	No.		274 F 23 n	250
pH 4.00a	4.09		t0.1 s.u.	12	W A	Adjusted Reading	Manufacturer MSI	Lot#	Exp.
pH 7.00a	10.92	s.u.	±0.1 s.u.	-	, p	IO AF	MSI	023067-01	3/14/2025
	9.86	S.U.		P	1	- 1	MSI	023051-02	2/21/2025
pH 10.00a SC 1000		μS/cm	±0.1 s.u.	1	1		Ricca	022361-01 4209A12	12/27/2024
DO (Zero pt)	1040	_		P 2	-		Macron		Aug-24
Turbidity (DI)	0.0	mg/L NTU	±0.1 mg/L <2 NTU	2	NO	10	Pace Labs	#000228049 N/A (DI)	8/26/2025
Approx. every 4 hr			121410	P	L. No.	NA	race Labs	N/A (DI)	N/A (DI)
CCV (Continue			ation):		Time:		1		
Buffer	Check Value	Units	Range	Pass/Fail		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	1	1	Ricca	4209A12	Aug-24
DO (Zero pt)	1	mg/L	±0.1 mg/L		1		Macron	#000228049	8/26/2025
Turbidity (DI)	1	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Comments:								11421 (24)	MACON

Field Personnel:	Aaron	Pem	berton		Location:	DUCK 1	creek		
Weather:	370 -64	_	(unny mz)	12mol	Environment:	gass.	1:14		
Multiparamete	r Water Meter	Make:	A7	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.
рН 4.00а	4-15	s.u.	±0.1 s.u.	T	VLS	W.00	MSI	023067-01	3/14/2025
pH 7.00a	7.08	5.U.	±0.1 s.u.	P	186	7.00	MSI	023051-02	2/21/2025
pH 10.00a	0.36	s.u.	±0.1 s.u.	1	291	10.00	MSI	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	10.79.7	μS/cm	±5%	6	20	,	Geotech	3GF1197	Jun-24
ORP	245,8	mV	±15 mV	0	20	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	σN	^	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 h		e well					245 (A)	12°c	
ICV	(Initial Calibr	ation V	erification)		Time:	OMUL			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4.01	s.u.	±0.15 s.u.	D			Geotech	3GB1049	Feb-25
pH 7.00b	6.AZ	s.u.	±0.15 s.u.	18			Geotech	2GF113	Jun-24
pH 10.00b	10.08	s.u.	±0.15 s.u.	100			Geotech	3GA1134	Jan-25
SC 1000	TOW.	μS/cm	±5%	1	-		Ricca	4209A12	Aug-24
Approx. every 4 h				1 11					
CCV (Continue			ation):		Time:	1445			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	H. O I	-	±0.1 s.u.	rassfraii	NV	Aujosted Reading	MSI	023067-01	3/14/2025
DD 4.00a	7,03	S.U.	±0.1 s.u.	1	No	-	MSI	023051-02	2/21/2025
	1107	5.U.	±0.1 s.u.	10	NO	^	MSI	022361-01	12/27/2023
pH 7.00a	1 1 0 00		±0.1 3.0.	1		-		4209A12	Aug-24
рН 7.00a рН 10.00a	10.08	s.u.		10	AM	_			
рН 7.00a рН 10.00a SC 1000	78736	μS/cm	±5%	P	NO		Macron		
рН 7.00а рН 10.00а SC 1000 DO (Zero pt)	0.09	μS/cm mg/L	±5% ±0.1 mg/L	6	No	<u> </u>	Macron	#000228049	8/26/2025
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!)	0.09	μS/cm mg/L NTU	±5%	P					
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!) Approx. every 4 h	カ ダ 1 36 ロ・04 ひ・08 rs, unless only or	µS/cm mg/L NTU ne well	±5% ±0.1 mg/L <2 NTU	P	Va Va	<u> </u>	Macron	#000228049	8/26/2025
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!) Approx. every 4 h CCV (Continue	列 分 1 36 ロ・0 4 ひ・0 8 rs, unless only or ed Calibration	µS/cm mg/L NTU ne well Verifica	±5% ±0.1 mg/L <2 NTU		Nø Nø Time:	6.	Macron Pace Labs	#000228049 N/A (DI)	8/26/2025 N/A (DI)
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!) Approx. every 4 h CCV (Continue	カ ダ 1 36 ロ・04 ひ・08 rs, unless only or	μS/cm mg/L NTU ne well Verifica Units	±5% ±0.1 mg/L <2 NTU ation):	Pass/Fail	Va Va	<u> </u>	Macron Pace Labs Manufacturer	#000228049 N/A (DI) Lot#	8/26/2025 N/A (DI) Exp.
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!) Approx. every 4 h CCV (Continue Buffer 4.00a	アダイスし ロ・ワも マ・ワさ rs, unless only or ed Calibration Check Value	μS/cm mg/L NTU ne well Verifica Units s.u.	±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u.		Nø Nø Time:	6.	Macron Pace Labs Manufacturer MSI	#000228049 N/A (DI) Lot# 023067-01	8/26/2025 N/A (DI) Exp. 3/14/2025
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a	列 分 1 36 ロ・0 4 ひ・0 8 rs, unless only or ed Calibration	μS/cm mg/L NTU ne well Verifica Units s.u. s.u.	±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u.		Nø Nø Time:	6.	Macron Pace Labs Manufacturer MSI MSI	#000228049 N/A (DI) Lot# 023067-01 023051-02	8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a	アダイスし ロ・ワも マ・ワさ rs, unless only or ed Calibration Check Value	μS/cm mg/L NTU ne well Verifica Units s.u. s.u.	±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.		Nø Nø Time:	6.	Macron Pace Labs Manufacturer MSI MSI MSI	#000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01	8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024
pH 7.00a pH 10.00a SC 1000 DD (Zero pt) Turbidity (D!) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a 10.00a SC 1000	アダイスし ロ・ワも マ・ワさ rs, unless only or ed Calibration Check Value	μS/cm mg/L NTU ne well Verifica Units s.u. s.u. s.u.	±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.		Nø Nø Time:	6.	Macron Pace Labs Manufacturer MSI MSI MSI Ricca	#000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 4209A12	8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024 Aug-24
pH 7.00a pH 10.00a SC 1000 DO (Zero pt) Turbidity (D!) Approx. every 4 h CCV (Continue Buffer 4.00a 7.00a	アダイスし ロ・ワも マ・ワさ rs, unless only or ed Calibration Check Value	μS/cm mg/L NTU ne well Verifica Units s.u. s.u.	±5% ±0.1 mg/L <2 NTU ation): Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.		Nø Nø Time:	6.	Macron Pace Labs Manufacturer MSI MSI MSI	#000228049 N/A (DI) Lot# 023067-01 023051-02 022361-01 4209A12	8/26/2025 N/A (DI) Exp. 3/14/2025 2/21/2025 12/27/2024

Field Personnel:	Aaron	Rem	se then			Location	1:	Du	Check	1918		
Weather:	520-75		Sunny SE 121	ngh		Environment	t:			1085 , Fa	arm Diel	1
Multiparameter	r Water Meter	Make:	AT		del:	600			762215			
Water Lev	el Meter	Make:	Heran	Мо	del:	Dipper		Serial	Number:	371	7-7	
Buffer	Check Value	Units	Range	Pass	/Fail	Calibrate?		Adjusted	Reading	Manufacturer	Lot#	Exp.
H 4.00a	4-05	s.u.	±0.1 s.u.	0		NO	\top	WI		MSI	023067-01	3/14/2025
H 7.00a	7.00	s.u.	±0.1 s.u.	1	\neg					MSI	023051-02	2/21/2025
oH 10.00a	10.01	s.u.	±0.1 s.u.				\top			MSI	022361-01	12/27/2024
C Zero (DI)	rd. 81	μS/cm	0<25 µS/cm				1			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	11				1		InSitu	3GD927	Jan-24
OO (Zero pt)	0.00	mg/L	±0.1							Macron	#000228049	8/26/2025
OO (Saturated)	018.13	%	97-100%	1				-		Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.00	NTU	<2 NTU	1	-	-		7	/	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h		e well								242 0	·	
	(Initial Calibr		erification			Time	e:	091	_	Car	120	
Buffer	<u> </u>	Units		Dace	/Fail		_	Taken?	3	Manufacturer	Lot#	Exp.
	Check Value	_	Range	P 855	/ran		_	M		Geotech	3G81049	Feb-25
pH 4.00b	4.03	s.u.	±0.15 s.u. ±0.15 s.u.	+ 1			-	141		Geotech	2GF113	Jun-24
pH 7.00b	10,01	s.u.		1			-	_		Geotech	3GA1134	Jan-25
pH 10.00b SC 1000	10.03	S.U.	±0.15 s.u. ±5%	-			-	_	-	Ricca	4209A12	Aug-24
Approx. every 4 h	1006.6		1376	1)	_		_		-	Micco	TEUJAIZ	HOP EN
					_		1	11		1		
CCV (Continue	d Calibration		ation):	_		Time:	+	1600				
Buffer	Check Value	Units	Range	Pass	Fail	Calibrate?	1	Adjusted	Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.8	s.u.	±0.1 s.u.	-4		100	1	N	14	MSI	023067-01	3/14/2025
pH 7.00a	7.05	s.u.	±0.1 s.u.	- 4			4			MSI	023051-02	2/21/2025
pH 10.00a	10.09	s.u.	±0.1 s.u.	1			4			MSI	022361-01	12/27/2024
SC 1000	0198,34	μS/cm	±5%_	11			_			Ricca	4209A12	Aug-24
DO (Zero pt)	0.00	mg/L	±0.1 mg/L	11			-	_		Macron	#000228049	8/26/2025
Turbidity (DI)	0.00	NTU	<2 NTU					1	_	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h							_			1		
CCV (Continue	ed Calibration	Verific	ation):			Time	e:					
Buffer	Check Value	Units	Range	Pass	/Fail	Calibrate?	_	Adjusted	Reading	Manufacturer	Lot#	Exp.
4.00a		s.u.	±0.1 s.u.	1		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		s.u.	±0.1 s.u.	1				1	1	MSI	022361-01	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		1	Macron	#000228049	8/26/2025
Turbidity (DI)	/	NTU	<2 NTU			1	1		1	Pace Labs	N/A (DI)	N/A (DI)
Comments:							-			1		-

Field Personnel:	Logan	Ros	5 5		Location:	Duck	REEL		
Weather:	Sung 5	9-74	13me65		Environment:	GRASS W	0005,61	PAVEL	
Multiparamete	r Water Meter	Make:	HORIBA	Model:	V-5000	Serial Number:	PW26	1103	
Water Lev	el Meter	Make:	HEROW	Model:	1900	Serial Number:	_		1 1
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.98	s.u.	±0.1 s.u.	P	NO	•	MSI 12M	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
oH 10.00a	4.90	s.u.	±0.1 s.u.	P	10	4	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	0	No	-	InSitu	3GD927	Jan-24
DO (Zero pt)	0.0	mg/L	±0.1	b	Na	^	Macron	#000228049	8/26/2025
DO (Saturated)	100	%	97-100%	9	No	-	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU	1	No	/	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	rs, unless only or	ie well		,					
ICV	(Initial Calibr	ation V	erification)		Time:	0850	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.93	S.U.	±0.15 s.u.	P	ca ca	-	Geotech	3GB1049	Feb-25
pH 7.00b	7.07	s.u.	±0.15 s.u.	9	-	1	Geotech	2GF113	Jun-24
pH 10.00b	10-15	s.u.	±0.15 s.u.	7	,		Geotech	3GA1134	Jan-25
SC 1000	997	μ\$/cm	±5%	P		-	Ricca	4209A12	Aug-24
Approx. every 4 h	s, unless only or	e well		1					
CCV (Continue	d Calibration	Verific	ation):		Time:	166			
Buffer	Check Value	Units	Range	Pass/Fail	Callbrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.01	5.U.	±0.1 s.u.	0	NO	1/1/2	MSI	023067-01	3/14/2025
pH 7.00a	6.92	s.u.	±0.1 s.u.	11	1		MSI	023051-02	2/21/2025
oH 10:00a	4.95	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)	0.0	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU			+	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only or	e well							
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.		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	s.u.	±0.1 s.u.		1	1	MSI	022361-01	12/27/2024
SC 1000	1	µS/cm	±5%	1	1	1	Ricca	4209A12	Aug-24
OO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	
Furbidity (DI)	1	NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)
omments:					1				
Signature:	100	- Loc	yon Ross		Date:	10/32	12023		



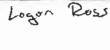
Field Personnel:	Acron	Re	m le Men		Location:	Du	ch cre	ele	
Weather:	670-770	- win	OSHY SUNNY SW 12m		Environment:	Mosts	ch cre-	irL, g	aul
Multiparameter	Water Meter	Make:	Horslan	Model:	Usood	Serial Number:	1001	YJ03	
Water Lev	el Meter	Make:	Heron	Model:	Dispert	Serial Number:	PW20	XJ0	17-7
Buffer	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	µ5/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 hi				-			238 @1	800	
	(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	11/4	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 h									
CCV (Continue			ation):	-	Time:	15 13			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	Le. B 3	s.u.	±0.1 s.u.	i disay ton	NO	WA	MSI	023067-01	3/14/2025
pH 7.00a		s.u.	±0.1 s.u.	11	- /	1	MSI	023051-02	2/21/2025
oH 10.00a	10000	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	- 1		Macron	#000228049	
Turbidity (DI)	7,0	NTU	<2 NTU	11	-	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	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		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		Macron	#000228049	8/26/2025
Turbidity (DI)	1:	NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
Comments:		NIO	V2 N10	1>			Pace Labs	INTO (DI)	IN/A (DI)

Field Personnel:	Haron	Remi	renon		Location:	Dicke	reek		
Weather:	620-77	c W.	Cloudy ab SV 81	roh	Environment:	Woods of	was, and	null,	1:14
Multiparamete		Make:	Horiba	Model	U5000	Wools g	PV2	5850	3
Water Lev	el Meter	Make:	Heron	Model	Dippert	Serial Number:		フーア	
Buffer	Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	Hiaz	s.u.	±0.1 s.u.	10	No	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	μ5/cm	0<25 μS/cm	11			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		.5 -	
Buffer	Check Value	Units	Range	Pass/Fai	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	4-00	S.u.	±0.15 s.u.	D		J/A	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.			1	Geotech	3GA1134	Jan-25
SC 1000	1000	μS/cm	±5%	1			Ricca	4209A12	Aug-24
Approx. every 4 h				-		-			
CCV (Continue			etion):		Time:	1545	1		
		1		Dona (Fai	-	Adjusted Reading	Manufacturer	Lot#	Evm
Buffer	Check Value	Units	Range	Pass/Fai		Adjusted Reading	MSI	023067-01	Exp. 3/14/2025
pH 4.00a	4.07	s.u.	±0.1 s.u.	1	NO	MIN	MSI	023057-01	2/21/2025
pH 7.00a	7.04	s.u.	±0.1 s.u.	+-			MSI	023051-02	12/27/2025
pH 10.00a	10.08	5.U.	±0.1 s.u.	++-			Ricca	4209A12	Aug-24
SC 1000	0.09	μS/cm mg/L	±0.1 mg/L	+			Macron	#000228049	
DO (Zero pt) Turbidity (DI)		NTU NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	rs unless only or		121110	1,			r dec Edeo	14771 (24)	1477 (1917
CCV (Continue			ation):		Time:		1		
				D/F.:			Manufastura	Last	Com
Buffer	Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer MSI	Lot# 023067-01	Exp. 3/14/2025
4.00a	1	s.u.	±0.1 s.u.	1		1	MSI	023051-02	2/21/2025
7.00a	1	s.u.	±0.1 s.u.	1			MSI	023031-02	12/27/2023
10.00a	1	S.U.	±0.1 s.u.	+		1		4209A12	4
CC 4000	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	Pace Labs	N/A (DI)	N/A (DI)
SC 1000 DO (Zero pt) Turbidity (DI)	1	NTU	<2 NTU						



Field Personnel:	Herran	19	m belon		Location:	Duck	rech		
Weather:	6K0- 70	& C	cloudy, ro	'n	Environment:	Woods 1	nul qu	255	
Multiparamete	r Water Meter	Make:	Flor: 64	Model:	V SOOO	Serial Number:	4 1 -	830	85
. Water Lev	el Meter	Make:	Hean	Model:	Dippert	Serial Number:	3717	7-7	
Buffer	Check Value	Units	Range	Pass/Faif		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.				MŞI	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	mV	±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)	0.0	NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h				-				1900	
	(Initial Calibr		erification)		Time:	0215		~ ~	
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
oH 4.00b	W.03	s.u.	±0.15 s.u.	0	NI		Geotech	3GB1049	Feb-25
pH 7.00b		s.u.	±0.15 s.u.	+	101		Geotech	2GF113	Jun-24
pH 10.00b	0.87	s.u.	±0.15 s.u.	++-			Geotech	3GA1134	Jan-25
SC 1000	1010	µS/cm	±5%	1			Ricca	4209A12	Aug-24
Approx. every 4 h									
CCV (Continue			ation).		Time:	1547			
	1	1		D(F-1)		Adjusted Reading	Manufacturer	Lot#	Exp.
Buffer	Check Value	Units	Range	Pass/Fail		NA	MSI	023067-01	3/14/2025
pH 4.00a	4.09	S.U.	±0.1 s.u.	P	NC	NA	MSI	023051-02	2/21/2025
pH 7.00a	7.03	5.U.	±0.1 s.u.	-			MSI	023051-02	12/27/2024
pH 10.00a	10.04	s.υ. μS/cm	±0.1 s.u.	-			Ricca	4209A12	Aug-24
SC 1000	1030	mg/L	±0.1 mg/L	1	-		Macron	1#000228049	8/26/2025
DO (Zero pt) Turbidity (DI)	0.0	NTU	<2 NTU	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h			V2 1410	1			T GEC EGES	INALDII	(INT)
CCV (Continue			ation):		Time:		1		
				Dans (Cail		Adjusted Booding	Manufacturer	Lot#	Eun
Buffer	Check Value	Units	Range ±0.1 s.u.	Pass/Fail	Campiates	Adjusted Reading	MSI	023067-01	Exp. 3/14/2025
4.00a	1	s.u.	±0.1 s.u.	1	1		MSI	023051-02	2/21/2025
7.00a	1	s.u.		1	1	1	MSI	023031-02	12/27/2023
10.00a	1	s.u.	±0.1 s.u.	1	1	1	Ricca	4209A12	Aug-24
SC 1000	1	μS/cm	±5%	1		1	Macron	#000228049	
DO (Zero pt)	-	mg/L	±0.1 mg/L	1	1	1	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)		NTU	<2 NTU	1	1	(race Laus	M/A (DI)	W/A (DI)
Comments:		-			1	1			

Field Personnel:	Logun	Ross			Location:	DUCK C	REEK		
Weather:	70-1040		YKRAIN 9m	ph5	Énvironment:	7	LOWDLANT	GRAVE	=_
Multiparamete	Water Meter	Make:	HORIBA	Model:	V-5000	Serial Number:			
Water Lev	el Meter	Make:	HERRON	Model:	dipper-T	Serial Number:	11 FFZZ	09305	MC
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	41.10	s.u.	±0.1 s.u.	P		1	MSI	023067-01	3/14/2025
рн 7.00а	6.93	s.u.	±0.1 s.u.	7	1		MSI	023051-02	2/21/2025
pH 10.00a	9.53	s.u.	±0.1 s.u.	F	У	9.99	MSI	022361-01	12/27/2024
SC Zero (DI)	0.0	µ5/cm	0<25 μS/cm	7)	Pace Labs	N/A (DI)	N/A (DI)
SC 2000	1999	μS/cm	±5%	7			Geotech	3GF1197	Jun-24
ORP	736	mV	±15 mV	P		-	InSltu	3GD927	Jan-24
DO (Zero pt)	,23	mg/L	±0.1	F	У	0.0	Macron	#000228049	8/26/2025
DO (Saturated)	98	%	97-100%	P	_	_	Pace Labs	N/A (D!)	N/A (DI)
Turbidity (DI)	1.7-	NTU	<2 NTU	P	_		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	s, unless only or	e well		11.1	AND THE SALES	3 1 3 West 2 2 2		, , , ,	
	(Initial Calibr		erification)		Time:	C908			
	THE P. P. LEWIS CO., LANSING, MICH.		1 10 0 71 1	Pass/Fail		n Taken?	AAnny forth and	Lot, Tigan and	1 c a 19.6.
Buffer	Check Value	Units	Range				Manufacturer :	Lot#	Exp.
pH 4.00b	6.91	s.u.	±0.15 s.u.	P	NA		Geotech	3GB1049	Feb-25
pH 7.00b		5.U.	±0.15 s.u.	2	NA		Geotech	2GF113	Jun-24
pH 10.00b	10.01	5.U.	±0.15 s.u.	P	NA		Geotech	3GA1134	Jan-25
SC 1000	10 50	μS/cm	±5%	r	NA		Ricca	4209A12	Aug-24
Approx. every 4 hi			Maria Maria	_	1.979234		1		
CCV (Continue	d Calibration	Verific	ation):		Time:			14.4	11.14
Buffer	Check Value	Units	Range	Pass/Fall	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.D0a	4.09	s.u.	±0.1 s.u.	F	ĺ	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	9.99	5.U.	±0.1 s.u.	8	~	NA	MSI	022361-01	12/27/2024
SC 1000	1030	μS/cm	±5%	P	_	NA	Ricca	4209A12	Aug-24
DO (Zero pt)	0.0	mg/L	±0.1 mg/L	P	1	NA	Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	P		NA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	s, unless only or	e well							
CCV (Continue	d Calibration	Verific	ation):		Time:		~		
Ruffer	Check Value	Units	Range	Pass/Fall		Adjusted Reading	Manufacturer	1 of#	Exp.
4.00a	Enery Volue	S.U.	±0.1 s.u.	- 4437 · 411	- Campioner	Washest urihenub	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		12/27/2024
SC 1000		μS/cm	±5%				Ricca	4209A12	Aug-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:		1410	121110				1.000 2235	147. (04)	14/14 (01)
Signature:	-1	7			Date:	10/26/23			



Field Personnel:	Brendon	9	ennon .		Location:	Duck Co	eple PS		
Weather:	65° Clau	da		NE	Environment:	Grass F	ield		
Multiparamete	Water Meter	Make:	Horiba	Model:	11-5000	Serial Number:	WUG 8	3C85)
Water Lev	el Meter	Make:	Hean	Model:	Dispert	Serial Number:	11FF22	09305	ml
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
pH 4.00a	4.01.	s.u.	±0.1 s.u.	P	N	JIA	MSI	L344-09	12/14/202
pH 7.00a	6.98	S.U.	±0.1 s.u.		í	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	333	mV	±15 mV				InSitu	261762	Jumes:
DO (Zero pt)	.08	mg/L	±0.1				Macron	#000228049	
DO (Saturated)	(00)	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0.0	NTU	<2 NTU		<u></u>	_	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only on	e well						1.4	1.11.1(2.1)
ICV	(Initial Calibr	ation V	erification)		Time:	1030	1		
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Evn
pH 4.00b	4.04	s.u.	±0.15 s.u.	0	N	II IGNEII:	Geotech	2GE870	Exp. Mar-24
pH 7.00b	7.06	5.u.	±0.15 s.u.		10		Geotech	2GC931	Mar-24
pH 10.00b	IN AU	s.u.	±0.15 s.u.	1-1-1			Geotech	2GE820	May-24
SC 1000	1030	µS/cm	±5%				Ricca	4207N97	Jul-24
Approx. every 4 hr	s, unless only on						TVICEB	1-12-07-14-37	201-24
CCV (Continue			ation):		Time:	1472	1		
Buffer	Check Value	Units		Docc/Foil	Calibrate?	100	NA	1.49	-
pH 4.00a	U.O3	S.U.	£0.1 s.u.	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Exp.
pH 7.00a	6.99	s.u.	±0.1 s.u.	1	i	MIN	MSI	L344-09	12/14/2023
pH 10.00a	9,98	S.u.	±0.1 s.u.	11			MSI	L343-07	12/9/2023
SC 1000	1020	μS/cm	±5%		1		Ricca	M082-04	3/25/2024
DO (Zero pt)	50		±0.1 mg/L					4207N97	Jul-24
Turbidity (DI)	0.0	mg/L NTU	<2 NTU	-	_	1	Macron Pace Labs	#000228049 N/A (DI)	8/26/2025 N/A (DI)
Approx. every 4 hr	77.71	- 1	- ATTO			112	oce rans	IN/A (DI)	N/A (D1)
CCV (Continue			ation).		Time:		1		
				Davi /c-11			Manufic		
	Check Value			Pass/Fail	Calibrate?	Adjusted Reading		Lot#	Exp.
4.00a	1	s.u.	±0.1 s.u.		1	1	MSI	L344-09	12/14/202
7.00a		S.u.	±0.1 s.u.		1	-	MSI	L343-07	12/9/2023
10.00a		S.U.	±0.1 s.u.	1	-	7	MSI	M082-04	3/25/2024
SC 1000		µS/cm	±5%	-		-	Ricca	4207N97	Jul-24
							Macron	_	8/26/2025
		NIU	<2 NIU				Pace Labs	IN/A (DI)	N/A (DI)
DO (Zero pt) Turbidity (DI) Comments:		mg/L NTU	±0.1 mg/L <2 NTU				Macro		n #000228049



	FUI	n beston		Location:	Duck	ores	r	
680-71	W	1 SW M	n /2	Environment:	0885	mit		
Water Meter	Make:	Hor. Ga	Model	US000	Serial Number:	WUG	831	85
l Meter	Make:	Heron	Model	DIAMET	Serial Number:			
Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.05	s.u.	±0.1 s.u.	P	NO	NA	MSI	023067-01	3/14/2025
6.62	s.u.	±0.1 s.u.	1		1	MSI	023051-02	2/21/2025
10.01	ş.u.	±0.1 s.u.				MSI	022361-01	12/27/202
10.0	μS/cm	0<25 μS/cm				Pace Labs	N/A (DI)	N/A (DI)
2010	μ5/cm	±5%				Geotech	3GF1197	Jun-24
231	mV	±15 mV				In5itu	3GD927	Jan-24
		±0.1				Macron		8/26/2025
		97-100%	1			Pace Labs		N/A (DI)
					1,	Pace Labs		N/A (DI)
			, , _			7366		171
		erification)		Timer	10000	2700	200	
<u> </u>	1		1- /- /-					
11 - 1	1		Pass/Fai	Actio	n Taken?			Exp.
11			1	^	0			Feb-25
6-85	5.U,		1	-		-	-	Jun-24
ana	S.U.		1	1				Jan-25
		±5%	1	1		Ricca	4209A12	Aug-24
, unless only or	e well							
d Calibration	Verific	ation):		Time:	1530			
Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
4.04	s.u.	±0.1 s.u.	P	NO	NA	M\$I	023067-01	3/14/2025
	s.u.	±0.1 s.u.	1	1		MSI	023051-02	2/21/2025
	-	±0.1 s.u.				MSI	022361-01	12/27/202
	_					Ricca		Aug-24
						Macron		
0.0	NTU	<2 NTU	11	1	- L	Pace Labs	N/A (DI)	N/A (DI)
, unless only on							(-1,	,,
		ation):		Time:]		
1 Calibration	W C I I I I L	alivii).		Time.				
d Calibration			-					
Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
	Units s.u.	Range ±0.1 s.u.	Pass/Fai	Calibrate?	Adjusted Reading	MSI	023067-01	3/14/2025
	Units s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u.	Pass/Fai	Calibrate?	Adjusted Reading	MSI MSI	023067-01 023051-02	3/14/2025 2/21/2025
	Units s.u. s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pass/Fai	Calibrate?	Adjusted Reading	MSI MSI	023067-01 023051-02 022361-01	3/14/2025 2/21/2025 12/27/202
	Units s.u. s.u. s.u. µS/cm	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. ±5%	Pass/Fai	Calibrate?	Adjusted Reading	MSI MSI MSI Ricca	023067-01 023051-02 022361-01 4209A12	3/14/2025 2/21/2025 12/27/202 Aug-24
	Units s.u. s.u. s.u.	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u.	Pass/Fai	Calibrate?	Adjusted Reading	MSI MSI	023067-01 023051-02 022361-01 4209A12	3/14/2025 2/21/2025 12/27/202
	Check Value 1.05 1.02 1.02 1.02 1.03 1.04 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03	Check Value Units 1.05 s.u. 1.07 s.u. 1.07 µS/cm 2.07 NTU 2.07 µS/cm 3.0. 3.0. 3.0. 4.07 µS/cm 4.07 µS/cm 4.07 µS/cm 5.0. 1.07 µS/cm 6.07 µS/cm 1.07 µS/cm	Check Value Units Range 1-05 s.u. ±0.1 s.u. 1-15 s.u. ±0.1 s.u. 1-16 μS/cm 0<25 μS/cm 1-15 μS/cm ±5% 1-16 μS/cm ±5% 1-17 % 97-100% 1-17 % 97-100% 1-18 μS/cm ±0.1 s.u. 1-18 μS/cm ±0.1 s.u. 1-18 μS/cm ±0.1 s.u. 1-18 μS/cm ±5% 1-18 μS/cm ±0.1 s.u. 1-18 μS/cm ±5% 1-18 μS/cm ±0.1 mg/L	Check Value Units Range Pass/Fai 1.0.5 s.u. ±0.1 s.u. 1.0.1 s.u. ±0.1 s.u. 1.0.2 s.u. ±0.1 s.u. 1.0.3 μS/cm 0<25 μS/cm 1.0.4 μS/cm ±5% 1.0.4 μS/cm ±5% 1.0.4 μS/cm ±5% 1.0.4 μS/cm ±0.1 1.0.4 μS/cm ±0.1 1.0.5 μS/cm ±0.1 1.0.6 μS/cm ±0.1 1.0.6 μS/cm ±0.1 1.0.6 μS/cm ±0.15 s.u. 1.0.6 μS/cm ±5% 1.0.6 μS/cm ±5% 1.0.7 μS/cm ±5% 1.0.9 μS/cm ±5% 1.0.9 μS/cm ±0.1 s.u. 1.0.9 μS/cm ±5% 1.0.1 s.u. 1.0.1 s.u. 1.0.2 μS/cm ±5% 1.0.2 μS/cm ±5% 1.0.3 μS/cm ±5%	Check Value Units Range Pass/Fail Calibrate? 1.05 s.u. ±0.1 s.u.	Check Value Units Range Pass/Fail Calibrate? Adjusted Reading 1.05 s.u. ±0.1 s.u.	Meter	Meter Make: Hean Model: O O Model: O M



Field Personnel:	Logar	R	055		Location:	DUCK CREEK			
Weather:	36-69		UDY PAIN	8mils	Environment:	BEASSLANI	1 WOODL	IND	
Multiparameter	Water Meter	Make:	HORIBA	Model:	U-5000	Serial Number:	tw 264	1103	
Water Lev	el Meter	Make:	Herron	Model:	dipper-T	Serial Number:	liFF22	0930	SML
Buffer	Check Value	Units	Range.	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
oH 4.00a	4.10	s.u.	±0.1 s.u.	P	N	NA	MSI	023067-01	3/14/2025
H 7.00a	10.90	s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025
н 10.00а	10.07	S.U.	±0.1 s.u.				MSI	022361-01	12/27/202
C Zero (DI)	1002	μS/cm	0<25 µS/cm				Pace Labs	N/A (DI)	N/A (DI)
C 2000	2080	μS/cm	±5%				Geotech	3GF1197	Jun-24
ORP	238	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	-04	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	99.9	%	97-100%				Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)	0,0	NTU	<2 NTU	P	N	NA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only or	e well	risk		出於 與關係 计图				
ICV	(Initial Calibr	ation V	erification)		Time:	0918			
Buffer	Check Value	Units	Range	Pass/Fall	Actio	n Taken?	Manufacturer	Lot#	Exp.
н 4.00ь	4.09	s.u.	±0.15 s.u.	P	NE	1	Geotech	3GB1049	Feb-25
pH 7.00b	7.00	S.U.	±0.15 s.u.				Geotech	2GF113	Jun-24
pH 10.00b	10.13	S.U.	±0.15 s.u.				Geotech	3GA1134	Jan-25
SC 1000	979	μ5/cm	±5%	P	NP	+	Ricca	4209A12	Aug-24
Approx. every 4 h	s, unless only of	ne well	CA, MARCH		****	1			
CCV (Continue	d Calibration	Verific	ation):		Time:	1523			
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp
pH 4.00a	4.08	s.u.	±0.1 s.u.	2	N	NA	MSI	023067-01	3/14/2025
pH 7.00a	702	S.U.	±0.1 s.u.	1	1	1	MSI	023051-02	2/21/2025
oH 10.00a	9.98	5.u.	±0.1 s.u.	11	1		MSI	022361-01	12/27/202
C 1000	1010	µS/cm	±5%				Ricca	4209A12	Aug-24
DO (Zero pt)	0.0	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	1.7	NTU	<2 NTU	P	N	NA	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 h	s: unless only or		es a la companya de l	1	AA TERRET			1	1.4.4
CCV (Continue					Time:				
Buffer	Check Value	Units	Range	Pass/Fail	* 1 * 17 *	Adjusted Reading	Manufacturer	Lot#	Exp.
4.00a	- Faint	S.u.	±0.1 s.u.		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	s.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2023
SC 1000	1	μS/cm	±5%	1	1	1	Ricca	4209A12	Aug-24
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	1	Macron	#000228049	8/26/2025
	1	NTU	<2 NTU	1	1		Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI)				1				1-1-1	1.7.7.40-17
					1				
					-0				
Turbidity (DI) Comments:	~				Date:	10/22	i		



	Muit	ipar	ameter I	vieter	Fiela Co	dibration	Lneckiisi		
Field Personnel:	00	Re	el		Location:	Duck	Cree	K Yo	wer
Weather:	cloud.	VIra	in		Environment:	wet	aras	31	
Multiparameter	Water Meter	Make:	Horiba	Model:	V5000	Serial Number:	429 K	J'9HA)
Water Lev	el Meter	Make:	Heron	Model:	3eries	Serial Number:	195	F-2111	92#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.	P	N/		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	10.02	Ş.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	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			1	Macron	#000228049	8/26/2025
DO (Saturated)	990	%	97-100%	11		1	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 hi	re unless only or		· LIVIO	-			Aug ands	114771(21)	1.47.1(2.1)
		_	anification)		7:	11020			
	(Initial Calibr	ation v	erification)	1	Time:	1000			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	3.97	5.U.	±0.15 s.u.	Y	N		Geotech	3GB1049	Feb-25
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	3GA1134	Jan-25
SC 1000	1010	μS/cm	±5%	1	1		Ricca	4209A12	Aug-24
Approx. every 4 hi	rs, unless only or	ne well							
CCV (Continue	d Calibration	Verific	ation):		Time:	1530			
Buffer	Check Value	Units	Range	Pass/Fail	- Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a		S.U.	±0.1 s.u.	P	Λ/	Majastee Hessania	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	9 94	s.u.	±0.1 s.u.	++			MSI	022361-01	12/27/2024
SC 1000	11:33	μS/cm	±5%	+1		1	Ricca	4209A12	Aug-24
	1010		±0.1 mg/L	+		1	Macron	#000228049	8/26/2025
DO (Zero pt)	0.01	mg/L NTU	<2 NTU		4	1	Pace Labs	N/A (DI)	N/A (DI)
Turbidity (DI) Approx. every 4 h	V 0		\ZN10	1		1	l ace rans	[N/A(DI)	N/A(DI)
			-4!1.	-	_	1	1		
CCV (Continue					Time				
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ēxp.
4.00a	1	s.u.	±0.1 s.u.	1		1	MSI	023067-01	3/14/2025
7.00a		s.u.	±0.1 s.u.	1			MSI	023051-02	2/21/2025
10.00a		s.u.	±0.1 s.u.				MSI	022361-01	12/27/2024
SC 1000	1	μS/cm	±5%				Ricca	4209A12	Aug-24
DO (Zero pt)		mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	1	NTU	<2 NTU	1			Pace Labs	N/A (DI)	N/A (DI)
Comments: Signature:	Oppu	nl	K Rul		Date	10/2	7/23		
	YUT	1	A. Land		1	1-1-	1		

eter Meter eter ieck Value i 00 35.7 i 10 i v 5	Make: Make: Units s.u. s.u. s.u. µS/cm µS/cm mV mg/L	He 60 n Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm ±5% ±15 mV	Model: Model: Pass/Fail	Environment: 600 D'ART Calibrate? Ves	Serial Number: Serial Number: Adjusted Reading	Soll 2 3117 Manufacturer MSI MSI	Lot# 023067-01	Exp. 3/14/2025
eter eck Value OA OOB 35.7	Make: Units s.u. s.u. s.u. µS/cm µS/cm mV mg/L	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm ±5%	Model:	Calibrate?	Serial Number: Adjusted Reading	3117 Manufacturer MSI	Lot# 023067-01	
000 35.7	Units s.u. s.u. s.u. µS/cm µS/cm mV mg/L	Range ±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 µS/cm ±5%	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer MSI	Lot# 023067-01	
100 000 35.7 00 35.7	s.u. s.u. s.u. µS/cm µS/cm mV mg/L	±0.1 s.u. ±0.1 s.u. ±0.1 s.u. 0<25 μ5/cm ±5%	P	ves ves	400	MSI	023067-01	
000 000 35.7	s.u. s.u. µS/cm µS/cm mV mg/L	±0.1 s.u. ±0.1 s.u. 0<25 μS/cm ±5%	6	Ves	400		-	
000 000 35.7	s.u. µS/cm µS/cm mV mg/L	±0.1 s.u. 0<25 μS/cm ±5%	6	Ves		MSI	1	
35.7 59 8'45	μS/cm μS/cm mV mg/L	0<25 μS/cm ±5%	P			IAIDI	023051-02	2/21/2025
000 35.7 64 6.05	μS/cm mV mg/L	±5%	1		10.04	MSI	022361-01	12/27/2024
35.7 84 846	mV mg/L		-	30	-	Pace Labs	N/A (DI)	N/A (DI)
35.7 84 846	mg/L	+15 mV	P	No	_	Geotech	3GF1197	Jun-24
8.VE		773 III A	1	No		InSitu	3GD927	Jan-24
00		±0.1	0	No	-	Macron	#000228049	8/26/2025
00	%	97-100%	0	Na	-	Pace Labs	N/A (DI)	N/A (DI)
	NTU	<2 NTU	J, b	NO	-	Pace Labs	N/A (DI)	N/A (DI)
iless only on	e well		-			23500	20°C	
		erification)		Time:	1000		-	
eck Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
			0					Feb-25
			1	1	71			Jun-24
	_			1			-	Jan-25
_			1				-	Aug-24
		2570	1	1		Inced	THEOSITE	708 27
		ation):		Time	10			
			1					
			Pass/Fail					Exp.
			1	NO	MA		_	3/14/2025
105	-		-	-				2/21/2025
1.08			+					12/27/2024
								Aug-24
	_			1	- /			8/26/2025
		<2 N10	1	+		Pace Labs	N/A (DI)	N/A (DI)
		42				r		
eck Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Ехр.
	s.u.	±0.1 s.u.			1			3/14/2025
	s.u.		1					2/21/2025
	s.u.		1	1	1			12/27/2024
1			1	1		_		Aug-24
	$\overline{}$		1	1	1			8/26/2025
1	NTU	<2 NTU	1	1		Pace Labs	IN/A (DI)	N/A (DI)
	alless only oneck Value	s.u. s.u. ps/cm less only one well eck Value s.u. s.u. s.u. ps/cm less only one well eck Value s.u. s.u. s.u. s.u. ps/cm mg/L less only one well elibration Verification ceck Value units s.u. s.u. s.u. s.u. s.u. s.u. s.u. s.	S.u. ±0.15 s.u. S.u. ±0.15 s.u. S.u. ±0.15 s.u. Lo.15 S.u.	S.u.	S.u.	S.u.	S.u. ±0.15 s.u. Description S.u. ±0.15 s.u. Geotech Geo	

Field Personnel:	Locan	12			Location:	DUCKCE	ZEEL		
Weather:	Sung Ze	0-41	" Ilmph N	W	Environment:	GRASSLA		LAND	
Multiparameter	The second secon			Model:	U-5000	Street, W. S. B. L. T. T. S. S.	PWZG		
Water Lev	el Meter	Make:	HERRON	Model:	dipper-T	Serial Numbers	11-2770	9305M	
Buffer	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	NA	MSI	023067-01	3/14/2025
pN 7.00a	1.93	S.U.	±0.1 s.u.	111	1		MSI	023051-02	2/21/2025
pH 10.00a	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	1			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 (Żero pt)	CO	mg/L	±0.1	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	11 "	1	1	Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hr	s, unless only on	e well	4.1					Clarin To-E	
	(Initial Calibr		erification)		Time:	0900]	4 1	
Buffer	Check Value	Units	Range	Pass/Fail		n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b	U. [1	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.	11			Geotech	3GA1134	Jan-25
SC 1000	967	μS/cm	±5%	1-1			Ricca	4209A12	Aug 24
Approx. every 4 hi				10	15.37	7		1.2007(22	- B 24
CCV (Continue					Time:	1516]		
		F 2 3 33		hazzate di		for the same of th	1425-7720-1100	F. 91. 15. 19.	2 1
Buffer	Check Value	Units	Range	Pass/Fail		Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	3.99	s.u.	±0.1 s.u.	10	NO	ANN	MSI	023067-01	3/14/2025
pH 7.00a	7,01	S-U.	±0.1 s.u.	1/1	-		MSI	023051-02	2/21/2025
рН 10.00a	9.96	5.4.	±0.1 s.u.	+	-		Ricca	022361-01 4209A12	12/27/2024
SC 1000	1020	µS/cm		++-			Macron		Aug-24
DO (Zero pt) Turbidity (DI)	0.00	mg/L NTU	±0.1 mg/L <2 NTU				Pace Labs	N/A (DI)	8/26/2025 N/A (DI)
	ai Vining on Living			1 4	_	-	race Laus	IN/A (DI)	IN/A (DI)
Approx. every 4 h				_	10 14 13 37		1		
CCV (Continue				P. Gir. Jack	Time:		CONTRACTOR OF THE SEC	2	
Buffer	Check Value	Units	Range	Pass/Fai	Calibrate?	Adjusted Reading	-	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	s.u.	±0.1 s.u.	1	1	1	MSI	022361-01	12/27/2024
SC 10 00	1	μS/cm	±5%	1	1	-	Ricca	4209A12	Aug-24
DO (Zero pt)	1	mg/L	±0.1 mg/L	1	1	-	Macron	#000228049	
urbidity (DI)	-	NTU	<2 NTU		-		Trace raps	IN/A (DI)	IN/A (DI)
Turbidity (DI)		NTU	<2 NTU		1		Pace Labs	N/A (DI)	N/A (DI)

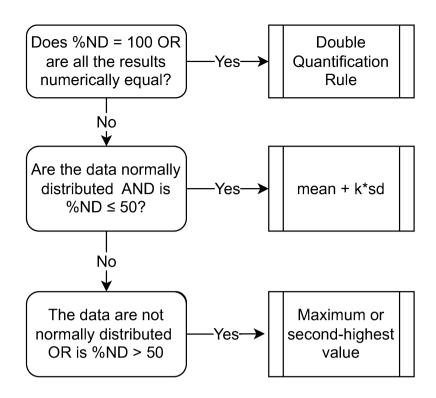
Field Personnel:	Haron	KA	Nex Nov)	Location:	DICK	creek		
Weather	320040	ms 1	Sunny	n	Environment:	wass,	mus		
Multiparamete	er Water Meter	Make:	Horala	Model:	U Sava	Serial Number:	6058	308	5
Water Le	vel Meter	Make:	Herm	Model:	Dipper 7	Serial Number:	371	17-7	
Buffer	Check Value	Units	Range	Pass/Fail	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	10-17	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%		1		Geotech	3GF1197	Jun-24
ORP	230	mV	±15 mV				InSitu	3GD927	Jan-24
DO (Zero pt)	0100	mg/L	±0.1				Macron	#000228049	8/26/2025
DO (Saturated)	98.9	%	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)
	rs, unless only or	ne well			-		237@	1012	
IC	/ (Initial Calibr	ation V	erification)	=,	Time:	0910			
Buffer	Check Value	Units	Range	Pass/Fail	Actio	n Taken?	Manufacturer	Lot#	Exp.
pH 4.00b		S.U.	±0.15 s.u.	A 233/1 mil	Actio	N/AP	Geotech	3GB1049	Feb-25
pH 7.00b	6188	s.u.	±0.15 s.u.	1		771	Geotech	2GF113	Jun-24
pH 10.00b		s.u.	±0.15 s.u.			1	Geotech	3GA1134	Jan-25
SC 1000	10.10	μ5/cm	±5%			1	Ricca	4209A12	Aug-24
	nrs, unless only or		2070	1			mood	1203.122	1190 - 1
	ed Calibration		ation):		Time:	1420	1		
		1		la (= 1					-
Buffer	Check Value	Units	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.04	s.u.	±0.1 s.u.	-	NO	MA	MSI	023067-01	3/14/2025
pH 7.00a	7.01	s.u.	±0.1 s.u.	1			MSI	023051-02	2/21/2025
pH 10.00a	10.03	s.u.	±0.1 s.u.	-			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	
Turbidity (DI)	0.0	NTU	<2 NTU	1.1/	1		Pace Labs	N/A (DI)	N/A (DI)
	hrs, unless only o	_					1		
	ed Calibration				Time:				
Buffer	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		s.u.	±0.1 s.u.				MSI	023051-02	2/21/2025
10.00a		s.u.	±0.1 s.u.	1			MSI	022361-01	12/27/2024
SC 1000		μS/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		1	Pace Labs	N/A (DI)	N/A (DI)
Comments:									



Field Personnel:	Joh	2	(ee		Location:	VUC	t Cre	et	
Weather:	40cm 61	FP	atty clou	lv	Environment:	Grass			
Multiparameter	Water Meter	Make:	Hosiba	Model:	U 5000	Serial Number:	YL9 K	J9HA	t
Water Lev	el Meter	Make:	Heron	Model:	Series 1900	Serial Numberi	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
pH 10.00a	10.010	s.u.	±0.1 s.u.				MSI	022361-01	12/27/202
SC Zero (DI)	0.015	/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 (Zero pt)	001	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)	0.1	NTU	<2 NTU	1	-		Pace Labs	N/A (DI)	N/A (DI)
Approx. every 4 hi	s, unless only or	e well	7.00 7.00	-	1.0	-			
	(Initial Calibr		erification)		Time:	945			
		D . P	7 900	Dace (Fail		n Taken?	Manufacturer	- Telegraph	TO ALL.
Buffer	Check Value	Units	Range	Pass/Fail	ACTIO	ii Taketiz	Geotech	Lot# 3GB1049	Exp.
pH 4.00b	4 00	s.u.	±0.15 s.u.				Geotech	2GF113	Feb-25
pH 7.00b	6.94	S.U.	±0.15 s.u.	+				3GA1134	Jun-24
pH 10.00b	1.01	5.U.	±0.15 s.u.		-		Ricca	4209A12	Jan-25
SC 1000	1010	µS/cm	1576				Nicca	4209A12	Aug-24
Approx. every 4 h			AND LONG L	-	2.00	11.00	1		
CCV (Continue	d Calibration	Verific	ation):		Time:	1400			
Buffer	Check Value	Units.	Range	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer	Lot#	Exp.
pH 4.00a	4.03	s.u.	±0.1 s.u.		N	\	MSI	023067-01	3/14/2025
pH 7.00a	7.01	S.u.	±0.1 s.u.	1	1	./	MSI	023051-02	2/21/2025
pH 10:00a	1001	5.u.	±0,1 s.u.				MSI	022361-01	12/27/2024
SC 1000	1020	μS/cm	±5%				Ricca	4209A12	Aug-24
DO (Zero pt)	0.02	mg/L	±0.1 mg/L				Macron	#000228049	8/26/2025
Turbidity (DI)	0.0	NTU	<2 NTU	-	1		Pace Labs	N/A (Dt)	N/A (DI)
Approx. every 4 h	s, unless only or	ne well							
CCV (Continue	d Calibration	Verific	ation):		Time:				
	Check Value		-	Pass/Fail	Calibrate?	Adjusted Reading	Manufacturer.	Lot#	Exp
4.00a	- CHELLY VOICE	s.u.	±0.1 s.u.	1 45071141	- CONTRACT	W. Maries Indianies	M\$1	023067-01	3/14/2025
7.00a		5.U.	±0.1 s.u.				MSF	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-24
DO (Zera pt)		mg/L	±0.1 mg/L				Macron	#000228049	
Turbidity (DI)		NTU	<2 NTU				Pace Labs	N/A (DI)	N/A (DI)
Comments:		1110	121110	-			1 /	1.47. (2.47	INTO (OI)
Signature:	0	rent	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

August 14, 2023

Project Number

1940103649-005

40 C.F.R. § 257.94(E)(2): ALTERNATE SOURCE DEMONSTRATION DUCK CREEK POWER PLANT LANDFILL CCR UNIT 204

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



https://ramboll.com

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TABLES (IN TEXT)

Table A Summary Statistics for Boron and Sulfate in Compliance wells with D12 SSIs (December 2015 to January 2023).

FIGURES (IN TEXT)

Figure A Piper Diagram Showing Ionic Composition of Groundwater Samples and Leachate Associated with the Landfill.

Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Figure B

Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

FIGURES (ATTACHED)

Figure 1 Potentiometric Surface Map - January 9 and 16, 2023

Figure 2 Coal Mine Coverage Area

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
D12 Detection Monitoring Round 12

DCPP Duck Creek Power Plant

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 Ramboll Ramboll Americas Engineering Solutions, Inc.

SSI Statistically Significant Increase

TDS total dissolved solids
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 (SSIs) over background concentrations 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) Landfill located near Canton, Illinois.

The twelfth semi-annual detection monitoring samples (Detection Monitoring Round D12 [D12]) were collected between 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:

- pH at well G12S
- Total dissolved solids (TDS) at well G06S

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 SSI remained:

pH at well G12S

Pursuant to 40 C.F.R. § 257.94(e)(2), the following lines of evidence (LOEs) demonstrate that sources other than the Landfill 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 in Fulton County, located in central Illinois, approximately 9 miles southeast of the town of Canton. The Landfill is located approximately 3.5 miles north of the power plant. Surface waters in the area include the Duck Creek Cooling Pond to the east, which was used as a source of cooling water for the plant, and various small ponds, some of which are remnants of the area's surface mining history. Prior to construction of the power plant and associated facilities, strip mining of coal took place within the boundaries of the DCPP, specifically on land in the immediate vicinity of the Landfill.

2.2 Geology and Hydrogeology

The DCPP geology and hydrogeologic setting summarized below is excerpted from the Hydrogeologic Monitoring Plan (Natural Resource Technology, an OBG Company [NRT/OBG], 2017).

2.2.1 Geology

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; 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. Bedrock in the area is identified as Pennsylvanian-age shale deposits and 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. The Uppermost Aquifer beneath the Landfill is comprised of the following unlithified water-bearing units (beginning at the ground surface):

- Loess Zone Moderate to high permeability silts and clayey silts, including the Peoria and Roxanna Silt (Loess Units); underlain by the low permeability clayey diamictons of the Berry Clay and upper Radnor Till Members of the Glasford Formation.
- Shallow Sand Unit Thin to moderately thick (0.3 to 10 feet), moderate to high permeability, medium-grained sand to silt with intercalated till seams; underlain by till sequences of the lower Radnor Till Member of the Glasford Formation.
- Intermediate Sand 1 This unit is located at the southern-most part of the Landfill as intercalated sand units within the Lower Radnor till between the Shallow and Deep Sand Units. This unit is typically a fine- to medium-grained sand and varies from 1.7 to 5.8 feet thick.

2.2.2 Hydrogeology

The Uppermost Aquifer in the area consists of the Loess, Shallow Sand, and Intermediate Sand 1. These hydraulically connected units are underlain by the Radnor Till Member of the Glasford Formation.

Groundwater elevations (referenced to North American Vertical Datum of 1988 [NAVD88]) in the Uppermost Aquifer across the Landfill are shown on **Figure 1**. Groundwater elevations were measured on January 9th and 16th, 2023, during a combined D12 sampling event at the DCPP for the CCR units located there, and for multiple monitoring programs required by both federal and state regulatory agencies. Due to the number of monitoring wells at the DCPP, some of the wells associated with the Landfill monitoring system were sampled a few days after the groundwater elevations were measured. Groundwater elevations ranged from 590.37 to 612.46 feet and overall groundwater flow within the Uppermost Aquifer under the Landfill was west to east with components of flow to the northeast and southeast.

2.3 Groundwater Monitoring

The CCR Rule groundwater monitoring system for the Landfill is shown on **Figure 1**. Monitoring wells G02S and G04S are used to monitor background groundwater quality for the Landfill. These wells are located south (G02S) and southwest (G04S) of the Landfill. The compliance wells are G06S, G09S, G12S, and G15S.

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 Landfill (the CCR unit) caused the SSIs. LOEs supporting this ASD include the following:

- 1. Concentrations of boron and sulfate are below background concentrations in compliance wells.
- 2. Proximity of the Landfill to historical mining activity and related groundwater quality impacts.

These LOEs are described and supported in greater detail below.

3.1 LOE #1: Concentrations of Boron and Sulfate are Below Background Concentrations in Compliance Wells

Boron and sulfate are indicators of CCR impacts to groundwater due to their leachability from CCR, low occurrence as an anthropogenic contaminant, and mobility in groundwater (EPRI, 2012). If the groundwater downgradient of the Landfill had been impacted by CCR from the unit, boron and sulfate would be expected to be elevated above background Upper Prediction Limits (UPLs). The UPL is an upper bound on background concentrations calculated for comparing compliance well concentrations to background. Concentrations of boron and sulfate in compliance monitoring well G12S, which had a D12 SSI for pH, have been consistently below their respective UPLs throughout the period of monitoring for 40 CFR § 257 as summarized in **Table A** below.

Table A. Summary Statistics for Boron and Sulfate Concentrations in Compliance Wells (December 2015 to January 2023) with D12 SSIs.

Location		ron 57 mg/L)		fate 80 mg/L)
	Minimum	Maximum	Minimum	Maximum
G12S	< 0.010	0.077	78	99

mg/L = milligrams per liter

Concentrations of boron and sulfate below their respective UPLs in compliance monitoring well G12S indicate this well has not been affected by CCR. Therefore, the Landfill is not the source of the pH SSI.

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

Piper diagrams graphically represent ionic composition of aqueous solutions. They display 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**, below, is a Piper diagram that displays the ionic composition of groundwater samples from the background and compliance monitoring wells associated with the Landfill, as well as leachate. Wells with D12 SSIs are circled in red. It is evident from the Piper diagram that the background and downgradient wells are in the calciumbicarbonate hydrochemical facies.

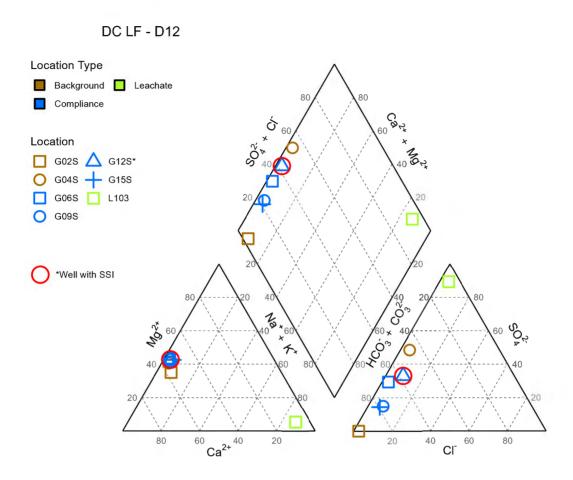


Figure A. Piper Diagram Showing Ionic Composition of Groundwater Samples and Leachate Associated with the Landfill

The area surrounding the Landfill 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 the area varies in depth from 0 to 50 feet below ground surface (bgs). The CCR Rule groundwater monitoring wells for the Landfill are screened between 25 and 45 feet bgs. Potentiometric data indicates that groundwater flows to the northeast as shown on the attached **Figure 1**. The CCR monitoring wells are located approximately 100 to 1,000 feet east (downgradient) of the nearby surface mines along the western, northern, and eastern boundaries of the Landfill (**Figure 2**).

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 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 background and downgradient groundwater monitoring wells at the Landfill.

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 Landfill to historic coal mining activity and similarities in the ionic composition of groundwater in areas of reclaimed surface coal mines and in the Landfill groundwater samples demonstrate that historic mining activity has affected groundwater quality at the Landfill.

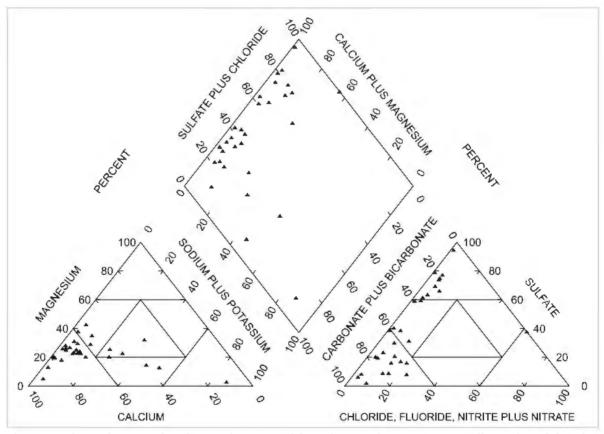


Figure B. Piper Diagram Showing Ionic Composition of Groundwater Downgradient of Reclaimed Surface Coal Mines in High-Sulfur Coal Regions (Modified from USGS).

4. CONCLUSIONS

Based on the two LOEs below, it has been demonstrated that the Landfill is not the source of the pH SSI at downgradient monitoring well G12S.

- 1. Concentrations of boron and sulfate are below background concentrations in compliance wells.
- 2. Proximity of the Landfill to historical mining activity and related groundwater quality impacts.

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 Landfill. Therefore, an assessment monitoring program is not required and the Landfill 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.

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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



COMPLIANCE WELL

BACKGROUND WELL

MONITORING WELL REGULATED UNIT (SUBJECT UNIT) PROPERTY BOUNDARY

GROUNDWATER ELEVATION CONTOUR (5-FT CONTOUR INTERVAL,

INFERRED GROUNDWATER
ELEVATION

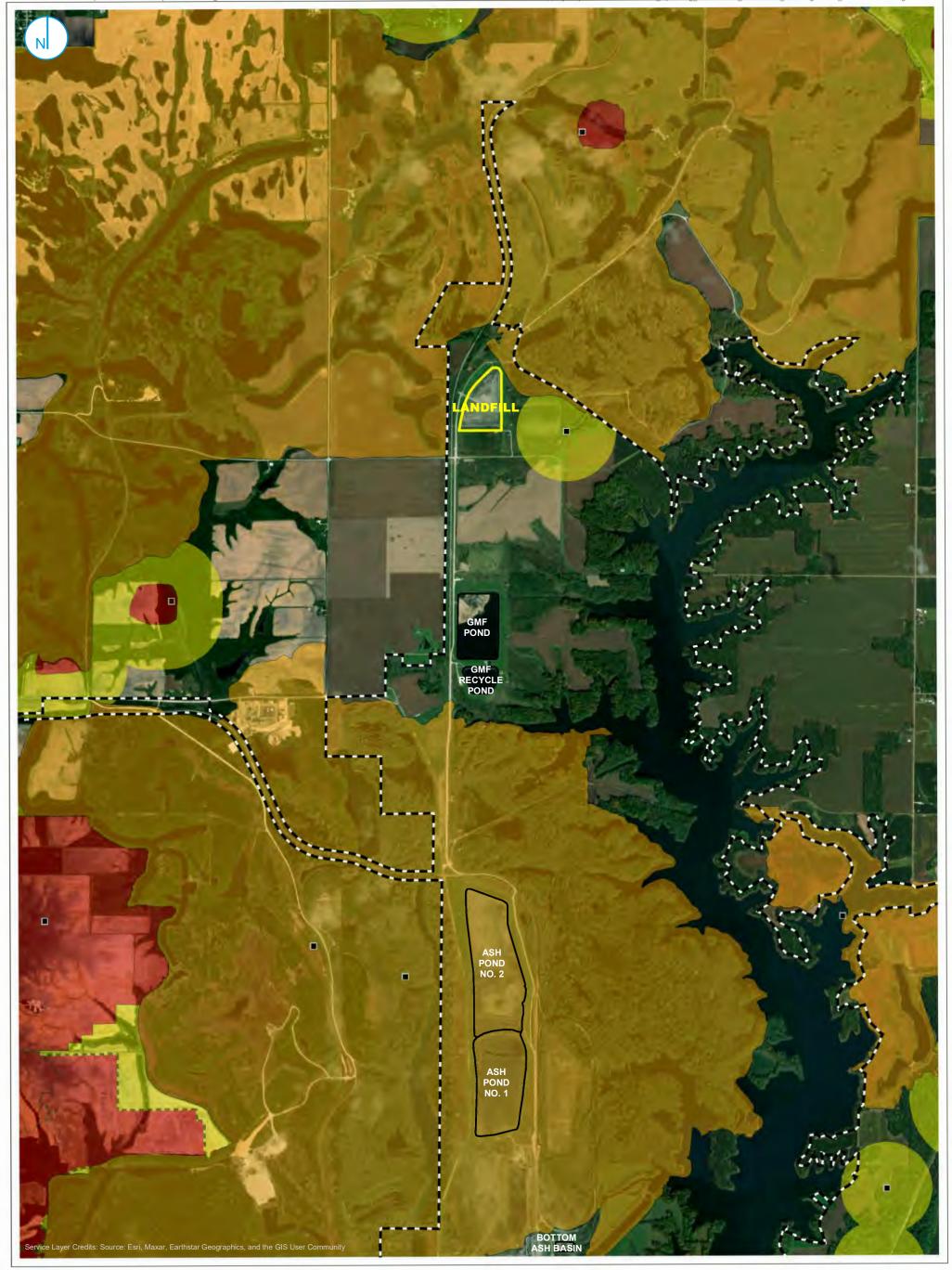
GROUNDWATER FLOW DIRECTION

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

ALTERNATE SOURCE DEMONSTRATION LANDFILL (UNIT ID: 204) 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

____Feet

REGULATED UNIT (SUBJECT UNIT)

SITE FEATURE

PROPERTY BOUNDARY

1,000 2,000

COAL MINE COVERAGE AREA

ALTERNATE SOURCE DEMONSTRATION

LANDELL (LINIT ID: 204)

LANDFILL (UNIT ID: 204) DUCK CREEK POWER PLANT CANTON, ILLINOIS FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

