Prepared for
We Energies

Date
January 31, 2026

Project No.
1940114239

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

CALEDONIA ASH LANDFILL

RAMBOLL Bright ideas. Sustainable change.

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL

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Project no.	**1940114239**
Recipient	**We Energies**
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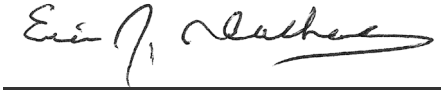

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APPENDICES

ACRONYMS AND ABBREVIATIONS

§	Section
40 C.F.R.	Title 40 of the Code of Federal Regulations
ASD	Alternate Source Demonstration
B	boron
Ca	calcium
CCR	coal combustion residuals
GWPS	groundwater protection standard
mg/L	milligrams per liter
NA	not applicable
NRT/OBG	Natural Resource Technology, Inc., an OBG Company
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SO_4	sulfate
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.) Section (§) 257.90(e) for Caledonia Ash Landfill (CAL) located in Caledonia, Wisconsin.

Groundwater is being monitored at CAL 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 2025 (no wells were installed or decommissioned).

In 2025, groundwater analytical data was evaluated for statistically significant increases (SSIs) over background concentrations for 40 C.F.R. § 257.94 Appendix III constituents in groundwater monitoring wells at CAL. The following constituents and wells had SSIs reported in 2025:

- Boron (B) – W08D, W09D, W10D, W49, W50
- Calcium (Ca) – W08D
- Sulfate (SO_4) – W08D, W09D, W10D, W49, and W50
- Total Dissolved Solids (TDS) – W08D and W50

Alternate Source Demonstrations (ASDs) prepared in prior years for these parameters and monitoring locations provide lines of evidence that the SSIs observed during the Detection Monitoring Program in 2025 were not due to a release from CAL but were either from an error in sampling or analysis or from naturally occurring conditions (*e.g.,* natural variation in groundwater quality), a result of statistical procedures used to evaluate the results, or potential anthropogenic impacts in the area surrounding the CAL.

CAL remains in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of We Energies to provide the information required by 40 C.F.R. § 257.90(e) for CAL located in Caledonia, WI.

In accordance with 40 C.F.R. § 257.90(e), the owner or operator of a 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, discusses 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**).
2. Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (**Section 3**).
3. In addition to all the monitoring data obtained under §§ 257.90 through 257.98 (**Tables 1 and 2**), 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 and 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 (**Section 2**) in addition to identifying the constituent(s) detected at a statistically significant increase relative to background levels) (**Table A**).
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 (**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 CAL for calendar year 2025.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

No changes have occurred to the monitoring program status in calendar year 2025 and CAL remains in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.

3. KEY ACTIONS COMPLETED IN 2025

The Detection Monitoring Program is summarized in **Table A** on the following page. The groundwater monitoring system, including the CCR unit and all background (upgradient) and downgradient monitoring wells, is presented in **Figure 1**. No changes were made to the monitoring system in 2025.

In general, one groundwater sample was collected from each background and downgradient well during each monitoring event. All samples were collected and analyzed in accordance with the *Sampling and Analysis Plan* (SAP; Natural Resource Technology, an OBG Company [NRT/OBG], 2017). Potentiometric surface maps for the fourth quarter of 2024 and both monitoring events in 2025 are included in **Figures 2 through 4**. Water level data, collected from background and downgradient monitoring wells, are included in **Table 1**. All monitoring data and analytical results obtained under 40 C.F.R. §§ 257.90 through 257.98 (as applicable) in the fourth quarter of 2024 and both monitoring events in 2025 are presented in **Table 2**. Laboratory reports for both 2025 monitoring events are included in **Appendix A**[1]. Results for analysis of additional parameters and samples required by Ch. NR 507 Wisconsin Administrative Code are included in some reports because they were collected during the same sampling events, but are not summarized in this report.

Analytical data were evaluated in accordance with the *Statistical Analysis Plan, Caledonia Ash Landfill* (NRT/OBG, 2017) to determine any SSIs for Appendix III parameters relative to background concentrations. Statistical background values are provided in **Table 3**. A flow chart showing the statistical methodology for determining background values is included as **Appendix B**.

Statistical evaluation, including SSI determinations, of analytical data from the Detection Monitoring Program for the November 6, 2024 (Detection Monitoring Round 15) and May 29, 2025 (Detection Monitoring Round 16) sampling events were completed in 2025 and within 90 days of receipt of the analytical data. SSIs over background concentrations for Appendix III constituents were identifiedand are summarized in **Table A**. Resamples were collected on February 27, 2025 to confirm background exceedances for TDS at W10D and W49 identified during Detection Monitoring Round 15. The analytical results for the resamples did not confirm background exceedances for TDS at W10D and W49, and SSIs were not reported for these parameters and wells for Detection Monitoring Round 15.

[1] Laboratory reports for the fourth quarter of 2024 monitoring event were provided in the 2024 annual report.

Table A. 2024-2025 Detection Monitoring Program Summary

Detection Round	Sampling Date	Analytical Data Receipt Date	Parameters Collected	SSI Wells (Parameters)	SSI(s) Determination Date	ASD Completion Date[1]
15	November 6, 2024	January 16, 2025	Appendix III	W08D (B, Ca, SO_4, TDS) W09D (SO_4) W10D (SO_4) W49 (B, SO_4) W50 (B, SO_4, TDS)	April 7, 2025	NA
Resample	February 27, 2025	March 5, 2025	TDS All Wells	NA	NA	NA
16	May 29, 2025	July 24, 2025	Appendix III	W08D (B, Ca, SO_4, TDS) W09D (B, SO_4) W10D (B, SO_4) W49 (B, SO_4) W50 (B, SO_4, TDS)	October 22, 2025	NA
17	November 11-12, 2025	January 8, 2025	Appendix III	TBD	TBD Before April 8, 2026	TBD

Notes:

NA: not applicable

TBD: to be determined

[1]ASDs previously completed on April 15, 2018, November 23, 2020, and July 5, 2023 for CAL provided a description, data, and pertinent information supporting an alternate source for the wells and parameters with SSIs identified during the November 6, 2024 and May 29, 2025 sampling events.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the Groundwater Monitoring Program during 2025. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2026

The following key activities are planned for 2026:

- Continuation of the Detection Monitoring Program with semi-annual sampling scheduled for the second and fourth quarters of 2026.
- Complete evaluation of analytical data from the downgradient wells using background data to determine whether an SSI of Appendix III parameters detected at concentrations greater than background concentrations has occurred.
- If an SSI is identified, potential 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 2026 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 2026 (*e.g.,* Assessment Monitoring) will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.

6. REFERENCES

Natural Resource Technology, an OBG Company (NRT/OBG), 2017, *Sampling and Analysis Plan Revision 2, Caledonia Ash Landfill, Caledonia, Wisconsin, September 29, 2017.*

Natural Resource Technology, an OBG Company (NRT/OBG), 2017, *Statistical Analysis Plan, Caledonia Ash Landfill, Caledonia, Wisconsin, October 17, 2017.*

TABLES

TABLE 1
GROUNDWATER ELEVATIONS
2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA, WI

Well ID	Well Type	Latitude (Decimal degrees)	Longitude (Decimal degrees)	Date	Groundwater Elevation (ft NAVD88)
W46D	Background (Upgradient/Side-gradient)	42.83840	-87.84685	11/06/2024	653.26
				5/29/2025	655.91
				11/10/2025	654.18
W48	Background (Upgradient)	42.83564	-87.84441	11/06/2024	655.13
				5/29/2025	656.98
				11/10/2025	655.29
W08D	Compliance (Downgradient)	42.83621	-87.83965	11/06/2024	653.84
				5/29/2025	655.51
				11/10/2025	654.14
W09D	Compliance (Downgradient)	42.83892	-87.83924	11/06/2024	653.32
				5/29/2025	654.96
				11/10/2025	653.13
W10D	Compliance (Downgradient)	42.83985	-87.84015	11/06/2024	652.64
				5/29/2025	654.25
				11/10/2025	652.62
W49	Compliance (Downgradient)	42.83987	-87.84187	11/06/2024	653.16
				5/29/2025	654.66
				11/10/2025	652.98
W50	Compliance (Downgradient)	42.83751	-87.83865	11/06/2024	647.50
				5/29/2025	654.97
				11/10/2025	653.44

Notes:
ft = foot/feet
NAVD88 = North American Vertical Datum of 1988

Caledonia
Table 2. Analytical Results - Appendix III Parameters

Date Range: 11/01/2024 to 12/31/2025

Well Id	Date Sampled	Lab Id	Boron, total, mg/L	Calcium, total, mg/L	Chloride, total, mg/L	Fluoride, total, mg/L	pH (Field), SU	Sulfate, total, mg/L
W08D	11/6/2024	AE75298	0.423	45.7	11.1	1.30	7.7	208.0
	2/27/2025	AE77281					7.5	
	5/29/2025	AE79042	0.469	49.2	11.0	0.43	7.7	210.0
	11/11/2025	AE82964	0.442	49.4	12.1	1.20	7.5	212.0
W09D	11/6/2024	AE75299	0.387	17.3	4.2	1.40	8.3	39.2
	2/27/2025	AE77282					8.1	
	5/29/2025	AE79043	0.432	19.2	4.1	0.50	8.3	37.0
	11/11/2025	AE82965	0.472	18.6	4.6	1.30	7.7	29.0
W10D	11/6/2024	AE75300	0.390	19.3	4.0	1.30	8.1	42.7
	2/27/2025	AE77283					8.1	
	5/29/2025	AE79044	0.441	21.0	4.0	0.44	8.1	42.0
	11/11/2025	AE82966	0.437	20.7	4.2	1.20	7.8	42.4
W46D	11/6/2024	AE75301	0.337	23.9	5.4	1.20	7.7	34.8
	2/27/2025	AE77284					7.4	
	5/29/2025	AE79045	0.364	24.7	5.6	0.31	7.6	35.0
	11/12/2025	AE82967	0.376	24.4	5.4	1.10	7.3	32.8
W48	11/6/2024	AE75302	0.353	25.0	4.0	0.98	8.1	<0.4
	2/27/2025	AE77285					7.8	
	5/29/2025	AE79046	0.380	26.2	3.8	0.07	8.1	0.9
	11/12/2025	AE82968	0.394	26.2	4.0	0.94	7.7	<0.9

Caledonia
Table 2. Analytical Results - Appendix III Parameters

Date Range: 11/01/2024 to 12/31/2025

			Boron, total, mg/L	Calcium, total, mg/L	Chloride, total, mg/L	Fluoride, total, mg/L	pH (Field), SU	Sulfate, total, mg/L
W49	11/6/2024	AE75303	0.429	15.8	4.4	1.40	8.0	51.9
	2/27/2025	AE77287					8.1	
	5/29/2025	AE79047	0.465	16.1	4.3	0.55	8.1	51.0
	11/12/2025	AE82969	0.482	16.2	4.7	1.40	7.1	52.7
W50	11/6/2024	AE75304	0.464	25.8	5.4	1.20	7.7	78.4
	2/27/2025	AE77286					7.6	
	5/29/2025	AE79048	0.535	28.1	5.0	0.26	7.8	79.0
	11/12/2025	AE82970	0.541	25.5	6.0	1.20	7.8	82.5

Caledonia
Table 2. Analytical Results - Appendix III Parameters

Date Range: 11/01/2024 to 12/31/2025

Well Id	Date Sampled	Lab Id	TDS, mg/L
W08D	11/6/2024	AE75298	890
	2/27/2025	AE77281	706
	5/29/2025	AE79042	464
	11/11/2025	AE82964	404
W09D	11/6/2024	AE75299	260
	2/27/2025	AE77282	250
	5/29/2025	AE79043	210
	11/11/2025	AE82965	202
W10D	11/6/2024	AE75300	480
	2/27/2025	AE77283	220
	5/29/2025	AE79044	228
	11/11/2025	AE82966	244
W46D	11/6/2024	AE75301	520
	2/27/2025	AE77284	218
	5/29/2025	AE79045	222
	11/12/2025	AE82967	214
W48	11/6/2024	AE75302	440
	2/27/2025	AE77285	386
	5/29/2025	AE79046	206
	11/12/2025	AE82968	226

Caledonia
Table 2. Analytical Results - Appendix III Parameters

Date Range: 11/01/2024 to 12/31/2025

			TDS, mg/L
W49	11/6/2024	AE75303	830
	2/27/2025	AE77287	230
	5/29/2025	AE79047	206
	11/12/2025	AE82969	228
W50	11/6/2024	AE75304	1200
	2/27/2025	AE77286	272
	5/29/2025	AE79048	306
	11/12/2025	AE82970	246

Notes:
Exceedance of Background

TABLE 3

STATISTICAL BACKGROUND VALUES

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

CALEDONIA ASH LANDFILL

CALEDONIA, WI

Parameter	Statistical Background Value (LPL/UPL)
40 C.F.R. Part 257 Appendix III	
Boron (mg/L)	0.401
Calcium (mg/L)	34.4
Chloride (mg/L)	13.8
Fluoride (mg/L)	4.00
pH (field) (SU)	7.0/8.5
Sulfate (mg/L)	30.2
Total Dissolved Solids (mg/L)	260

Notes:

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

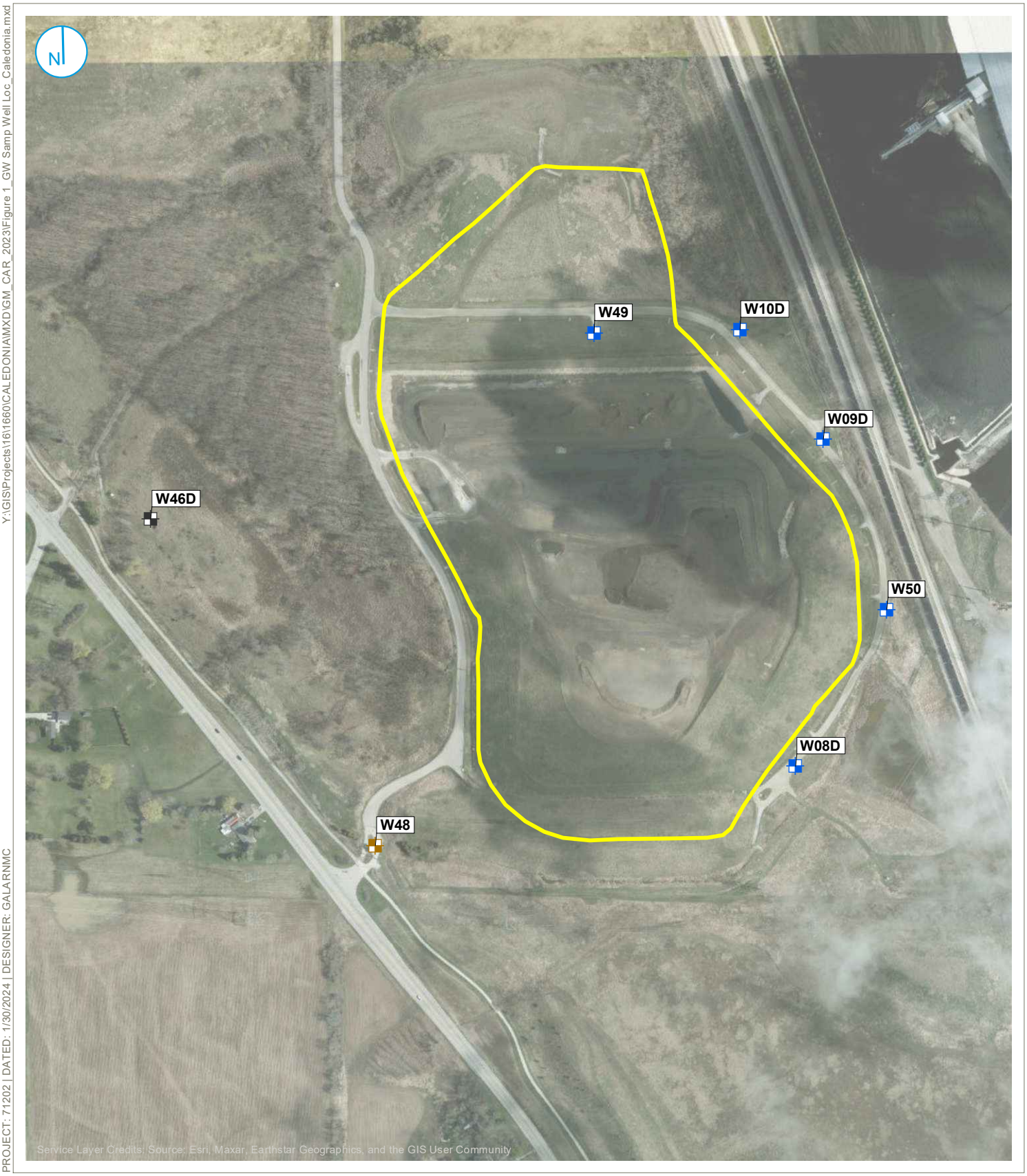
LPL = Lower Prediction Limit (applicable for pH only)

mg/L = milligrams per liter

SU = Standard Units

UPL = Upper Prediction Limit

FIGURES



Y:\GIS\Projects\16\1660\CALEDONIA\MXD\GM_CAR_2023\Figure 1_GW Samp Well Loc_Caledonia.mxd

PROJECT: 71202 | DATED: 1/30/2024 | DESIGNER: GALARNMC

CCR RULE BACKGROUND MONITORING WELL LOCATION

CCR RULE DOWNGRADIENT MONITORING WELL LOCATION

CCR RULE UPGRADIENT MONITORING WELL LOCATION

UNIT BOUNDARY

NOTES

IMAGERY DATE = 5/1/2022

0 200 400 Feet

MONITORING WELL LOCATION MAP

FIGURE 1

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

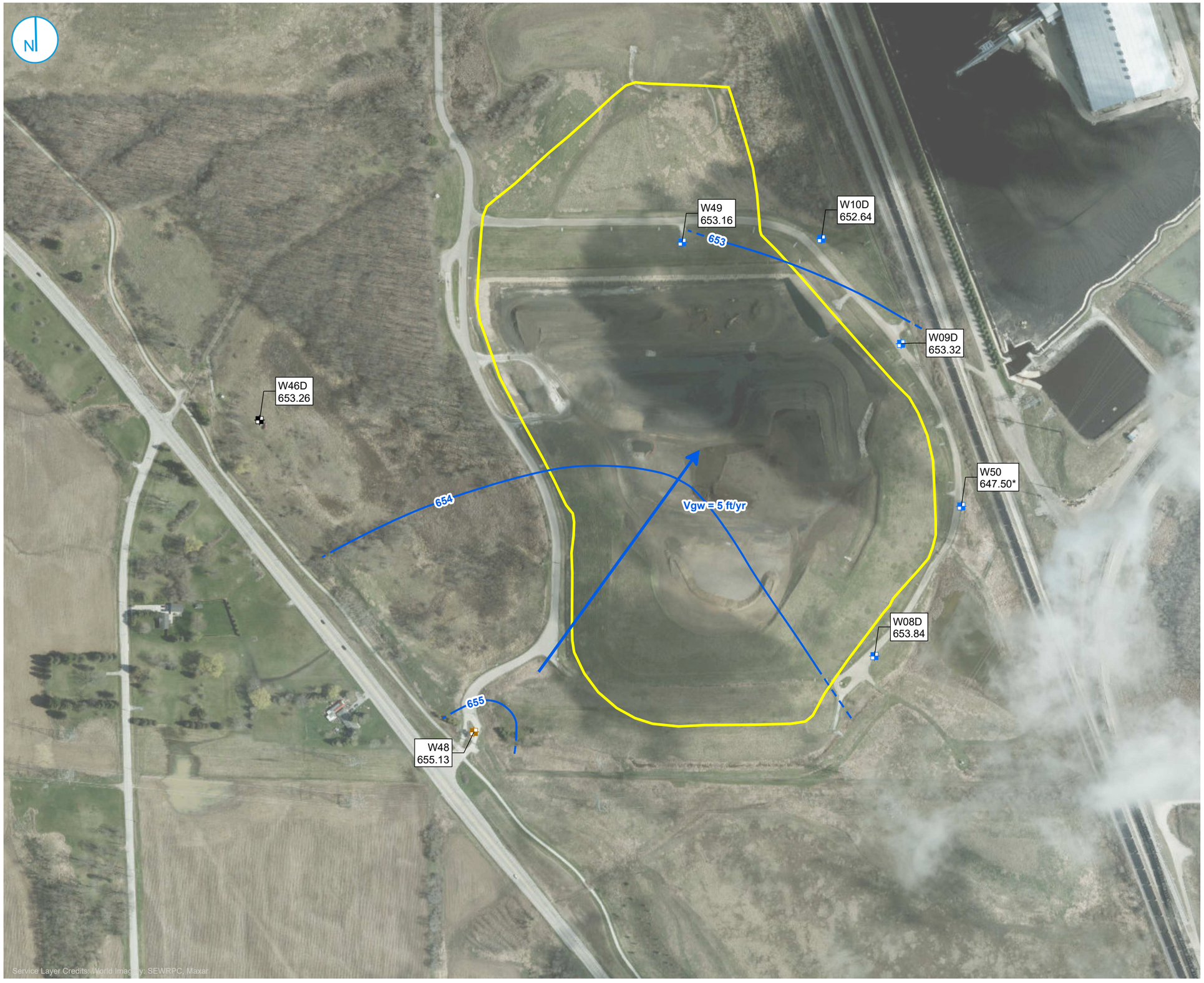
CALEDONIA ASH LANDFILL

CALEDONIA POWER PLANT

CALEDONIA, WISCONSIN

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL



- CCR RULE BACKGROUND MONITORING WELL LOCATION
- CCR RULE DOWNGRADIENT MONITORING WELL LOCATION
- CCR RULE UPGRADIENT MONITORING WELL LOCATION
- UNIT BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES
* = ELEVATION NOT USED FOR CONTOURING
Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
IMAGERY DATE = 5/1/2022

0 150 300
Feet

POTENTIOMETRIC SURFACE MAP NOVEMBER 6, 2024

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA POWER PLANT
CALEDONIA, WISCONSIN

FIGURE 2

RAMBOLL AMERICAS
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PROJECT: 169000XXXX | DATED: 1/27/2025 | DESIGNER: PWYSIATKO

GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS
CALEDONIA ASH LANDFILL
CALEDONIA, WISCONSIN

NOVEMBER 2024 **$V = K\,i\,/\,n_e$**

V = Groundwater Velocity
K = Hydraulic Conductivity
i = Hydraulic Gradient (unitless value)
n_e = Effective Porosity

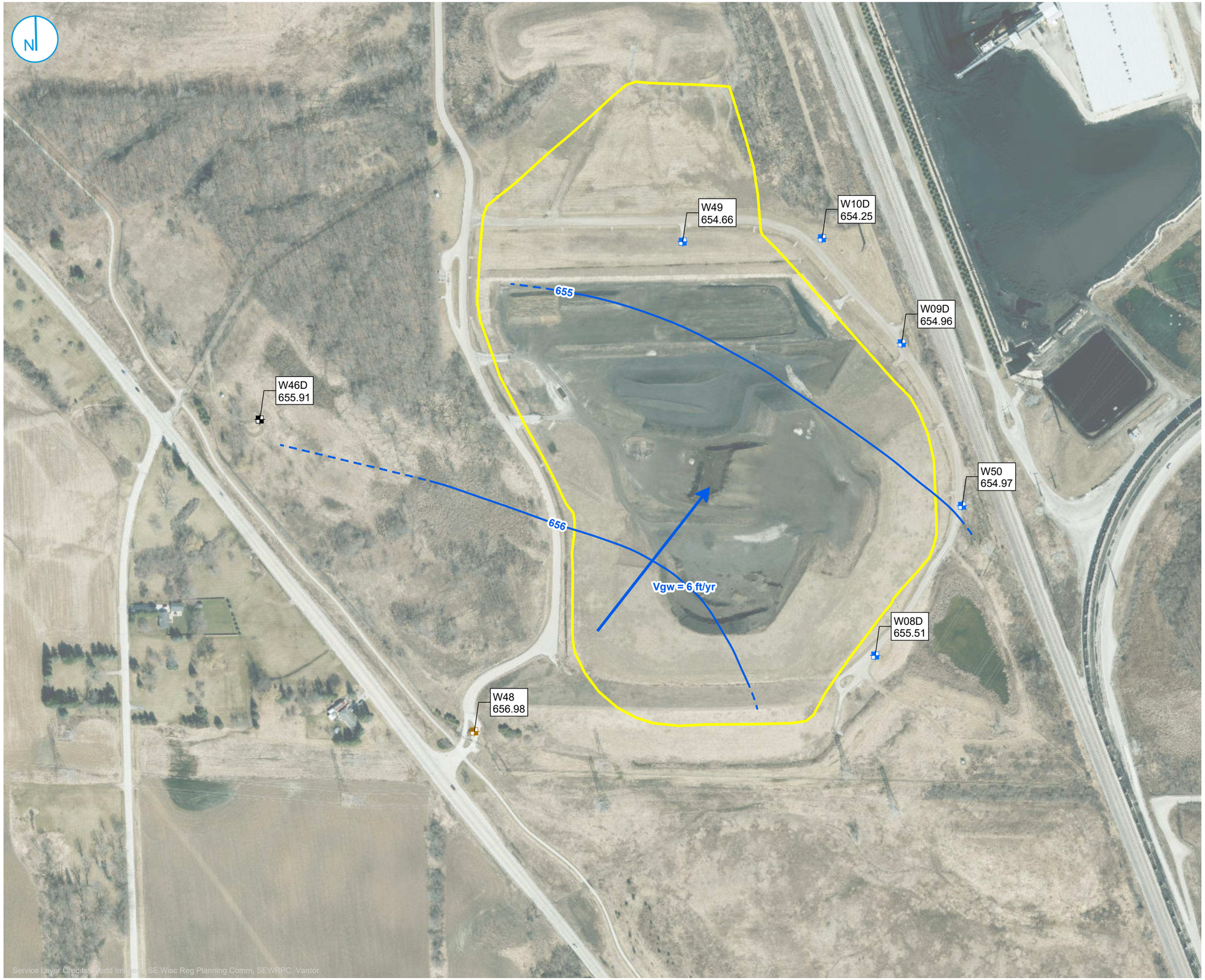
UPPERMOST AQUIFER

Contours	**655**	**to**	**654**	**North to Northeast Across the Landfill**	Elevation Change (ft)		Distance Change (ft)
K =	1.04E+03	ft/yr	Geometric mean for Landfill 3 (all)				
i =	0.001		between contours identified above		1	/	890 = 0.001
n_e =	25	%					

$$V = \frac{1.04E+03 * 1.12E-03}{0.25}$$

V = 5 feet/year

[O:KJS 11/25/2024 , C: NRK 1/28/2025]



CCR RULE BACKGROUND MONITORING WELL LOCATION

CCR RULE DOWNGRADIENT MONITORING WELL LOCATION

CCR RULE UPGRADIENT MONITORING WELL LOCATION

UNIT BOUNDARY

GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

NOTES

Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY

IMAGERY DATE = 3/11/2024

0 150 300 Feet

POTENTIOMETRIC SURFACE MAP MAY 29, 2025

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA POWER PLANT
CALEDONIA, WISCONSIN

FIGURE 3

RAMBOLL AMERICAS
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GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS
CALEDONIA ASH LANDFILL
CALEDONIA, WISCONSIN

May 2025 **$V = K\,i\,/\,n_e$**

V = Groundwater Velocity
K = Hydraulic Conductivity
i = Hydraulic Gradient (unitless value)
n_e = Effective Porosity

UPPERMOST AQUIFER

Contours	**656**	**to**	**655**	**Northeast Across the Landfill**	Elevation		Distance	
K =	1.04E+03	ft/yr		Geometric mean for Landfill	Change		Change	
i =	0.001			between contours identified above	(ft)		(ft)	
n_e =	25	%			1	/	700	0.001

$$V = \frac{1.04E+03 * 1.43E-03}{0.25}$$

V = 6 feet/year

[O: KJS 6/27/2025, C:NRK 1/22/2026]

- CCR RULE BACKGROUND MONITORING WELL LOCATION
- CCR RULE DOWNGRADIENT MONITORING WELL LOCATION
- CCR RULE UPGRADIENT MONITORING WELL LOCATION
- UNIT BOUNDARY
- GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTES
Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
IMAGERY DATE = 3/11/2024

0 150 300
Feet

POTENTIOMETRIC SURFACE MAP NOVEMBER 10, 2025

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
CALEDONIA ASH LANDFILL
CALEDONIA POWER PLANT
CALEDONIA, WISCONSIN

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC

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PROJECT: 1940114239 | DATED: 1/22/2026 | DESIGNER: PWYSIATKO

GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS
CALEDONIA ASH LANDFILL
CALEDONIA, WISCONSIN

November 2025 **$V = K i / n_e$**

V = Groundwater Velocity
K = Hydraulic Conductivity
i = Hydraulic Gradient (unitless value)
n_e = Effective Porosity

UPPERMOST AQUIFER

Contours	**655**	**to**	**654**	**Northeast Across the Landfill**	Elevation Change (ft)		Distance Change (ft)	
K =	1.04E+03	ft/yr	Geometric mean for Landfill					
i =	0.001		between contours identified above			1	/ 812	0.001
n_e =	25	%						

$$V = \frac{1.04E+03 * 1.23E-03}{0.25}$$

V = 5 feet/year

[O: KJS 11/14/2025, C: NRK 1/22/2026]

APPENDICES

APPENDIX A
LABORATORY REPORTS

To: Eric Kovatch
PSB Annex A231

From: WEC Business Services
Laboratory Services PSBA-A070
WDNR Cert # 241329000

Report Date: Thursday, January 16, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W08D** **Caledonia CCR Well Sample**
Sample ID: AE75298 Sample Collection Date/Time: 11/06/2024 09:41
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	44.44	0.05	feet		1		H2OD	11/6/24	N DUDA
Field Temperature	11.3	0.1	Degrees C		1		TEMP	11/6/24	N DUDA
Field Conductivity	807	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	7.7	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	148	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	148	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	890	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	1.3	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	11.1	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	208	4.4	mg/L	20.0	10		EPA 300.0	11/20/24	020
Dissolved Chloride	11.1	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	190	4.4	mg/L	20.0	10		EPA 300.0	11/20/24	020
Total Boron	423	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	45700	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	200	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	45900	76.2	ug/L	254	1	D9	EPA 200.7	11/15/24	020
Dissolved Magnesium	21200	31.2	ug/L	250	1	D9	EPA 200.7	11/15/24	020
Dissolved Sodium	72200	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	2770	237	ug/L	789	1		EPA 200.7	11/15/24	020

Sample Comments:

Qualifier D9: Dissolved result is greater than total. Data is within laborator
y control limits.

Sample Description: **W09D** **Caledonia CCR Well Sample**
Sample ID: AE75299 Sample Collection Date/Time: 11/06/2024 10:42
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	54.03	0.05	feet		1		H2OD	11/6/24	N DUDA
Field Temperature	12.1	0.1	Degrees C		1		TEMP	11/6/24	N DUDA
Field Conductivity	344	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	8.3	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	143	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020

Report Date: Thursday, January 16, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W09D Caledonia CCR Well Sample**
Sample ID: AE75299 Sample Collection Date/Time: 11/06/2024 10:42
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Bicarbonate Ion	143	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	260	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	1.4	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	4.2	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	39.2	0.44	mg/L	2.0	1		EPA 300.0	11/19/24	020
Dissolved Chloride	4.3	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	39.4	0.44	mg/L	2.0	1		EPA 300.0	11/20/24	020
Total Boron	387	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	17300	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	82.9	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	17300	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Dissolved Magnesium	9910	31.2	ug/L	250	1	D9	EPA 200.7	11/15/24	020
Dissolved Sodium	41800	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	904	237	ug/L	789	1		EPA 200.7	11/15/24	020

Sample Comments:

Sample Description: **W10D Caledonia CCR Well Sample**
Sample ID: AE75300 Sample Collection Date/Time: 11/06/2024 11:21
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	50.46	0.05	feet		1		H2OD	11/6/24	N DUDA
Field Temperature	10.7	0.1	Degrees C		1		TEMP	11/6/24	N DUDA
Field Conductivity	405	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	138	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	138	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	480	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	1.3	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	4.0	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	42.7	0.44	mg/L	2.0	1		EPA 300.0	11/19/24	020
Dissolved Chloride	4.1	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	43.2	0.44	mg/L	2.0	1		EPA 300.0	11/20/24	020
Total Boron	390	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	19300	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	80.5	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	19500	76.2	ug/L	254	1	D9	EPA 200.7	11/15/24	020
Dissolved Magnesium	8190	31.2	ug/L	250	1	D9	EPA 200.7	11/15/24	020
Dissolved Sodium	44500	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	1250	237	ug/L	789	1		EPA 200.7	11/15/24	020

Report Date: Thursday, January 16, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: **W46D Caledonia CCR Well Sample**
Sample ID: AE75301 Sample Collection Date/Time: 11/06/2024 08:51
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	48.00	0.05	feet		1		H2OD	11/6/24	N DUDA
Field Temperature	11.0	0.1	Degrees C		1		TEMP	11/6/24	N DUDA
Field Conductivity	434	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	7.7	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	158	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	158	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	520	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	1.2	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	5.4	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	34.8	0.44	mg/L	2.0	1		EPA 300.0	11/19/24	020
Dissolved Chloride	5.6	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	36.2	0.44	mg/L	2.0	1		EPA 300.0	11/20/24	020
Total Boron	337	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	23900	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	122	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	22800	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Dissolved Magnesium	14900	31.2	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Sodium	34300	420	ug/L	2500	10		EPA 200.7	11/15/24	020
Dissolved Potassium	1420	237	ug/L	789	1		EPA 200.7	11/15/24	020

Sample Comments:

Sample Description: **W48 Caledonia CCR Well Sample**
Sample ID: AE75302 Sample Collection Date/Time: 11/06/2024 11:59
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	60.75	0.05	feet		1		H2OD	11/6/24	N DUDA
Field Temperature	10.9	0.1	Degrees C		1		TEMP	11/6/24	N DUDA
Field Conductivity	488	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	230	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	230	5.0	mg/L	10.0	1		HCO3	11/12/24	020

Report Date: Thursday, January 16, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W48 Caledonia CCR Well Sample**
Sample ID: AE75302 Sample Collection Date/Time: 11/06/2024 11:59
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Dissolved Solids	440	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	0.98	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	4.0	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	11/19/24	020
Dissolved Chloride	4.0	0.59	mg/L	2.0	1	M0	EPA 300.0	11/20/24	020
Dissolved Sulfate	Less Than	0.44	mg/L	2.0	1	M0	EPA 300.0	11/20/24	020
Total Boron	353	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	25000	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	133	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	24400	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Dissolved Magnesium	16800	31.2	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Sodium	44000	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	1390	237	ug/L	789	1		EPA 200.7	11/15/24	020

Sample Comments:

Sample Description: **W49 Caledonia CCR Well Sample**
Sample ID: AE75303 Sample Collection Date/Time: 11/06/2024 12:53
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	64.33	0.05	feet		1		H2OD	11/6/24	N DUDA
Field Temperature	11.2	0.1	Degrees C		1		TEMP	11/6/24	N DUDA
Field Conductivity	404	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	8.0	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	125	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	125	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	830	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	1.4	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	4.4	0.59	mg/L	2.0	1	M0	EPA 300.0	11/19/24	020
Total Sulfate	51.9	2.2	mg/L	10.0	5		EPA 300.0	11/20/24	020
Dissolved Chloride	4.4	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	53.6	0.44	mg/L	2.0	1	D9	EPA 300.0	11/20/24	020
Total Boron	429	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	15800	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	69.0	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	14700	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Dissolved Magnesium	6570	31.2	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Sodium	49900	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	699	237	ug/L	789	1	J	EPA 200.7	11/15/24	020

Report Date: Thursday, January 16, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: **W50 Caledonia CCR Well Sample**
Sample ID: AE75304 Sample Collection Date/Time: 11/06/2024 13:46
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	47.18	0.05	feet		1		H2OD	11/6/24	N DUDA
Field Temperature	11.0	0.1	Degrees C		1		TEMP	11/6/24	N DUDA
Field Conductivity	528	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	7.7	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	154	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	154	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	1200	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	1.2	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	5.4	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	78.4	2.2	mg/L	10.0	5		EPA 300.0	11/20/24	020
Dissolved Chloride	5.5	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	81.9	2.2	mg/L	10.0	5		EPA 300.0	11/20/24	020
Total Boron	464	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	25800	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	107	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	26100	76.2	ug/L	254	1	D9	EPA 200.7	11/15/24	020
Dissolved Magnesium	10300	31.2	ug/L	250	1	D9	EPA 200.7	11/15/24	020
Dissolved Sodium	57500	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	1420	237	ug/L	789	1		EPA 200.7	11/15/24	020

Sample Comments:

Sample Description: **QC01 Caledonia CCR Well Sample**
Sample ID: AE75305 Sample Collection Date/Time: 11/06/2024 10:47
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Alkalinity as CaCO3	140	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	140	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	810	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	1.4	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	4.2	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	39.3	0.44	mg/L	2.0	1		EPA 300.0	11/19/24	020

Report Date: Thursday, January 16, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **QC01 Caledonia CCR Well Sample**
Sample ID: AE75305 Sample Collection Date/Time: 11/06/2024 10:47
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Chloride	4.2	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	39.5	0.44	mg/L	2.0	1		EPA 300.0	11/20/24	020
Total Boron	389	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	17300	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	83.6	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	17700	76.2	ug/L	254	1	D9	EPA 200.7	11/15/24	020
Dissolved Magnesium	10000	31.2	ug/L	250	1	D9	EPA 200.7	11/15/24	020
Dissolved Sodium	42400	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	931	237	ug/L	789	1		EPA 200.7	11/15/24	020

Sample Comments:

Sample Description: **EB Caledonia CCR Well Sample**
Sample ID: AE75306 Sample Collection Date/Time: 11/06/2024 14:15
Sample Received: 11/06/2024 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	12.6	0.1	Degrees (		1		TEMP	11/6/24	N DUDA
Field Conductivity	20.5	0	umhos		1		FCOND25	11/6/24	N DUDA
Field pH	8.6	0.1	Units	0.1	1		FIELDPH	11/6/24	N DUDA
Total Alkalinity as CaCO3	Less Than	5.0	mg/L	10.0	1		SM 2320 B-1997	11/12/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/12/24	020
Bicarbonate Ion	Less Than	5.0	mg/L	10.0	1		HCO3	11/12/24	020
Total Dissolved Solids	58	20	mg/L		1		Std Mtd 2540 C	11/15/24	CMW
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/19/24	020
Total Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	11/19/24	020
Total Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	11/19/24	020
Dissolved Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	11/20/24	020
Dissolved Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	11/20/24	020
Total Boron	Less Than	3.0	ug/L	10.0	1		EPA 200.7	11/15/24	020
Total Calcium	Less Than	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Total Hardness as CaCO3	Less Than	0.32	mg/L	1.7	1		Std Mtd 2340B	11/15/24	020
Dissolved Calcium	Less Than	76.2	ug/L	254	1		EPA 200.7	11/15/24	020
Dissolved Magnesium	Less Than	31.2	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Sodium	Less Than	42.0	ug/L	250	1		EPA 200.7	11/15/24	020
Dissolved Potassium	Less Than	237	ug/L	789	1		EPA 200.7	11/15/24	020

Report Date: Thursday, January 16, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

LOD and LOQ are adjusted for dilution factor.
'J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

If there are any questions concerning this report, please contact Lab Services: 414-221-4595

To: Eric Kovatch
PSB Annex A231

From: WEC Business Services
Laboratory Services PSBA-A070
WDNR Cert # 241329000

Report Date: Wednesday, March 5, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W08D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77281 Sample Collection Date/Time: 02/27/2025 11:09
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	44.43	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	8.8	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	701	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.5	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	706	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W09D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77282 Sample Collection Date/Time: 02/27/2025 10:31
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	54.92	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.1	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	342	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	250	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W10D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77283 Sample Collection Date/Time: 02/27/2025 09:45
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	50.06	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.8	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	343	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA

Report Date: Wednesday, March 5, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W10D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77283 Sample Collection Date/Time: 02/27/2025 09:45
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Dissolved Solids	220	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W46D Caledonia Landfill Semi Annual Sample**
Sample ID: AE77284 Sample Collection Date/Time: 02/27/2025 08:20
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.85	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.8	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	369	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.4	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	218	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Sample Description: **W48 Caledonia Landfill Semi Annual Sample**
Sample ID: AE77285 Sample Collection Date/Time: 02/27/2025 08:59
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	60.45	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	8.9	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	415	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.8	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	386	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA

Sample Comments:

Report Date: Wednesday, March 5, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: **W50 Caledonia Landfill Semi Annual Sample**
Sample ID: AE77286 Sample Collection Date/Time: 02/27/2025 11:55
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	41.27	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.1	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	453	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	272	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA
Sendout Analysis	PENDING				1			12/30/99	

Sample Comments:

Sample Description: **W49 Caledonia Landfill Semi Annual Sample**
Sample ID: AE77287 Sample Collection Date/Time: 02/27/2025 12:56
Sample Received: 02/27/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	64.47	0.05	feet		1		H2OD	2/27/25	N DUDA
Field Temperature	9.3	0.1	Degrees C		1		TEMP	2/27/25	N DUDA
Field Conductivity	341	0	umhos		1		FCOND25	2/27/25	N DUDA
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	2/27/25	N DUDA
Total Dissolved Solids	230	20	mg/L		1		Std Mtd 2540 C	3/4/25	SAA
Sendout Analysis	PENDING				1			12/30/99	

Sample Comments:

LOD and LOQ are adjusted for dilution factor.
'J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

If there are any questions concerning this report, please contact Lab Services: 414-221-4595

To: Eric Kovatch
PSB Annex A231

From: WEC Business Services
Laboratory Services PSBA-A070
WDNR Cert # 241329000

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W08D **Caledonia CCR Well Sample**
Sample ID: AE79042 Sample Collection Date/Time: 05/29/2025 12:48
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	42.77	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	13	0.1	Degrees (		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	741	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.7	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	469	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	49200	1140	ug/L	5000	10		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	215000	10000	ug/L	54000	10		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	464	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	130	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.43	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	11	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	210	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: W09D **Caledonia CCR Well Sample**
Sample ID: AE79043 Sample Collection Date/Time: 05/29/2025 12:04
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	52.39	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	13	0.1	Degrees (		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	357	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.3	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	432	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	19200	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	91100	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	210	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	120	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.50	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	4.1	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	37	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: W10D **Caledonia CCR Well Sample**
Sample ID: AE79044 Sample Collection Date/Time: 05/29/2025 13:32
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	48.85	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	361	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	441	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	21000	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	86400	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	228	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	120	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.44	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	4.0	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	42	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: W46D **Caledonia CCR Well Sample**
Sample ID: AE79045 Sample Collection Date/Time: 05/29/2025 10:04
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	45.35	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	388	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	364	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	24700	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	124000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	222	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	140	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.31	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	5.6	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	35	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: W48 **Caledonia CCR Well Sample**
Sample ID: AE79046 Sample Collection Date/Time: 05/29/2025 10:54
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	58.90	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	403	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	380	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	26200	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	136000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	206	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	210	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.065	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	3.8	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	0.93	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: W49 **Caledonia CCR Well Sample**
Sample ID: AE79047 Sample Collection Date/Time: 05/29/2025 14:42
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	62.83	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	262	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	465	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	16100	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	68800	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	206	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	110	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.55	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	4.3	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	51	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: W50 **Caledonia CCR Well Sample**
Sample ID: AE79048 Sample Collection Date/Time: 05/29/2025 15:33
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	39.71	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	12	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	367	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.8	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	535	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	28100	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	114000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	306	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	130	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.26	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	5.0	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	79	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: QC 1 **Caledonia CCR Well Sample**
Sample ID: AE79049 Sample Collection Date/Time: 05/29/2025 10:59
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Boron	389	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Calcium	26600	114	ug/L	500	1		EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	139000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	252	20	mg/L		1		Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	200	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	0.070	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	3.9	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	0.94	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: EB 3 **Caledonia CCR Well Sample**
Sample ID: AE79050 Sample Collection Date/Time: 05/29/2025 15:45
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	17	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	8.2	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Boron	Less Than	17.3	ug/L	40	1	U	EPA 200.7	6/4/25	20
Total Calcium	Less Than	114	ug/L	500	1	U	EPA 200.7	6/4/25	20
Total Hardness as CaCO3 ug/L	Less Than	1000	ug/L	5400	1	U	Std Mtd 2340B	6/4/25	20
Total Dissolved Solids	Less Than	20	mg/L		1	J	Std Mtd 2540 C	6/3/25	SAA
Total Alkalinity as CaCO3	Less Than	20	mg/L		1		SM 2320 B-1997	6/5/25	AEU
Total Fluoride	Less Than	0.012	mg/L	0.039	1		EPA 300.0	6/18/25	AEU
Total Chloride	Less Than	0.059	mg/L	0.198	1		EPA 300.0	6/18/25	AEU
Total Sulfate	0.90	0.24	mg/L	0.78	1		EPA 300.0	6/18/25	AEU

Sample Comments:

Sample Description: 9B DUPLICATE **Caledonia Landfill Semi Annual Sample**
Sample ID: AE79051 Sample Collection Date/Time: 05/29/2025 11:34
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	1.98	0.05	feet		1		H2OD	5/29/25	RAMBOLL
Field Temperature	13	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	678	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	7.9	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Dissolved Calcium	63800	114	ug/L	500	1		EPA 200.7	6/4/25	20
Dissolved Magnesium	46900	182	ug/L	1000	1		EPA 200.7	6/4/25	20
Dissolved Sodium	17200	350	ug/L	500	1		EPA 200.7	6/4/25	20
Dissolved Potassium	2960	325	ug/L	1000	1		EPA 200.7	6/4/25	20
Dissolved Boron	124	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Dissolved Molybdenum	9.4	2.4	ug/L	10	1	J	EPA 200.7	6/4/25	20
Dissolved Selenium	Less Than	12.2	ug/L	40	1	U	EPA 200.7	6/4/25	20
Total Chloride in Groundwater	15	0.0031	mg/L	0.010	1	M1	EPA 300.0	6/18/25	AEU
Dissolved Sulfate	61	0.0062	mg/L	0.021	1	M1	EPA 300.0	6/18/25	AEU
Total Filtered Alkalinity as CaCO3	250	20	mg/l		1		Std Mtd 2320 B	6/5/25	AEU
Dissolved Hardness as CaCO3 ug/L	352000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	020

Sample Comments:

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: L-TANK **Caledonia Landfill Semi Annual Sample**
Sample ID: AE79052 Sample Collection Date/Time: 05/29/2025 13:55
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	14	0.1	Degrees C		1		TEMP	5/29/25	RAMBOLL
Field Conductivity	449	0	umhos		1		FCOND25	5/29/25	RAMBOLL
Field pH	8.6	0.1	Units	0.1	1		FIELDPH	5/29/25	RAMBOLL
Total Chloride	SCRATCHED		mg/L		1		EPA 300.0	12/30/99	
Total Sulfate	SCRATCHED		mg/L		1		EPA 300.0	12/30/99	
Total Alkalinity as CaCO3	SCRATCHED		mg/L		1		SM 2320 B-1997	12/30/99	
Total Boron	15100	17.3	ug/L	40	1		EPA 200.7	6/4/25	20
Total Molybdenum	2630	2.4	ug/L	10	1		EPA 200.7	6/4/25	20
Total Manganese	18.1	1.5	ug/L	5	1		EPA 200.7	6/4/25	20
Total Lead	Less Than	5.9	ug/L	20	1	U	EPA 200.7	6/4/25	20
Total Cadmium	Less Than	1.3	ug/L	5	1	U	EPA 200.7	6/4/25	20
Total Iron	929	56.7	ug/L	100	1		EPA 200.7	6/4/25	20
Total Suspended Solids	561	1.0	mg/L	3	1		Std Mtd 2540 D	6/3/25	SAA
Biochemical Oxygen Demand	Less Than	2	mg/L	2	1		Std Mtd 5210B	6/4/25	057
Total Mercury	3.83	0.28	ng/L	0.93	1		EPA 245.7	6/25/25	ARF
COD	Less Than	14.7	mg/L	50	1	U	EPA 410.4	6/13/25	20
Total Hardness as CaCO3 ug/L	917000	1000	ug/L	5400	1		Std Mtd 2340B	6/4/25	20
Total Selenium	48.2	12.2	ug/L	40	1		EPA 200.7	6/4/25	20
Acenaphthene	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Acenaphthylene	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Anthracene	Less Than	0.75	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzidine	ND		ug/L		1		EPA 8270E	6/4/25	20
Benzo(a)anthracene	Less Than	1.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(a)pyrene	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(b)fluoranthene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(g.h.i)perylene	Less Than	1.7	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzo(k)fluoranthene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Bromophenylphenyl ether	Less Than	0.88	ug/L	5	1	U	EPA 8270E	6/4/25	20
Butylbenzylphthalate	Less Than	3.7	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Chloro-3-methylphenol	Less Than	0.94	ug/L	5	1	U	EPA 8270E	6/4/25	20
bis(2-Chloroethoxy)methane	Less Than	1.1	ug/L	5	1	U	EPA 8270E	6/4/25	20
bis(2-Chloroethyl) ether	Less Than	6.2	ug/L	10	1	U	EPA 8270E	6/4/25	20
bis(2-Chloroisopropyl) ether	ND		ug/L		1		EPA 8270E	6/4/25	20
2-Chloronaphthalene	Less Than	1.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Chlorophenol	Less Than	2.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Chlorophenylphenyl ether	Less Than	2	ug/L	5	1	U	EPA 8270E	6/4/25	20
Chrysene	Less Than	0.72	ug/L	5	1	U	EPA 8270E	6/4/25	20
Dibenz(a,h)anthracene	ND		ug/L		1		EPA 8270E	6/4/25	20
3.3'-Dichlorobenzidine	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4-Dichlorophenol	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Diethylphthalate	Less Than	0.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4-Dimethylphenol	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Dimethylphthalate	Less Than	1.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
Di-n-butylphthalate	Less Than	1.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
4.6-Dinitro-2-methylphenol	Less Than	1.2	ug/L	10	1	U	EPA 8270E	6/4/25	20
2.4-Dinitrophenol	Less Than	11.8	ug/L	50	1	U	EPA 8270E	6/4/25	20

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Description: L-TANK **Caledonia Landfill Semi Annual Sample**
Sample ID: AE79052 Sample Collection Date/Time: 05/29/2025 13:55
Sample Received: 05/30/2025 Sample Collector: LAUREN ANDERSON

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
2.4-Dintirotoluene	ND		ug/L		1		EPA 8270E	6/4/25	20
2.6-Dinitrotoluene	Less Than	0.85	ug/L	5	1	U	EPA 8270E	6/4/25	20
Di-n-octylphthalate	Less Than	4.6	ug/L	10	1	U	EPA 8270E	6/4/25	20
1.2-Diphenylhydrazine	ND		ug/L		1		EPA 8270E	6/4/25	20
bis(2-Ethylhexyl)phthalate	Less Than	2.1	ug/L	5	1	U	EPA 8270E	6/4/25	20
Fluoranthene	Less Than	0.74	ug/L	5	1	U	EPA 8270E	6/4/25	20
Fluorene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachloro-1.3-butadiene	Less Than	2.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachlorobenzene	Less Than	1.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachlorocyclopentadiene	Less Than	1.9	ug/L	5	1	U	EPA 8270E	6/4/25	20
Hexachloroethane	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
Indeno(1.2.3-cd)pyrene	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
Isophorone	Less Than	0.98	ug/L	5	1	U	EPA 8270E	6/4/25	20
Naphthalene	Less Than	1.7	ug/L	5	1	U	EPA 8270E	6/4/25	20
Nitrobenzene	Less Than	1.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Nitrophenol	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Nitrophenol	Less Than	8.3	ug/L	10	1	U	EPA 8270E	6/4/25	20
N-Nitrosodimethylamine	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
N-Nitroso-di-n-propylamine	Less Than	0.82	ug/L	5	1	U	EPA 8270E	6/4/25	20
N-Nitrosodiphenylamine	Less Than	0.41	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.2'-Oxybis(1-chloropropane)	Less Than	0.79	ug/L	5	1	U	EPA 8270E	6/4/25	20
Pentachlorophenol	Less Than	1.6	ug/L	5	1	U	EPA 8270E	6/4/25	20
Phenanthrene	Less Than	1.1	ug/L	5	1	U	EPA 8270E	6/4/25	20
Phenol	Less Than	0.98	ug/L	5	1	U	EPA 8270E	6/4/25	20
Pyrene	Less Than	0.98	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.3.4.6-Tetrachlorophenol	Less Than	2.3	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.2.4-Trichlorobenzene	Less Than	2.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4.6-Trichlorophenol	Less Than	2	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.2-Dichlorobenzene	Less Than	2	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.3-Dichlorobenzene	Less Than	2.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
1.4-Dichlorobenzene	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
1-Methylnaphthalene	Less Than	1.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
2.4.5-Trichlorophenol	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Methylnaphthalene	Less Than	1.5	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Methylphenol(m&p Cresol)	ND		ug/L		1		EPA 8270E	6/4/25	20
3-Nitroaniline	Less Than	1.8	ug/L	5	1	U	EPA 8270E	6/4/25	20
4-Nitroaniline	Less Than	2.4	ug/L	5	1	U	EPA 8270E	6/4/25	20
Acetophenone	Less Than	0.82	ug/L	5	1	U	EPA 8270E	6/4/25	20
Benzyl alcohol	Less Than	3.2	ug/L	5	1	U	EPA 8270E	6/4/25	20
Dibenzofuran	Less Than	0.93	ug/L	5	1	U	EPA 8270E	6/4/25	20
Pyridine	Less Than	7.3	ug/L	10	1	U	EPA 8270E	6/4/25	20
2-Methylphenol(o-Cresol)	Less Than	0.77	ug/L	5	1	U	EPA 8270E	6/4/25	20
2-Nitroaniline	Less Than	0.92	ug/L	5	1	U	EPA 8270E	6/4/25	20

Report Date: Thursday, July 24, 2025

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Anions + Alkalinity scratched on this sample. Bottle not provided to complete an alyses. Please see AE79088

LOD and LOQ are adjusted for dilution factor.
'J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

If there are any questions concerning this report, please contact Lab Services: 414-221-4595

To: Eric Kovatch
PSB Annex A231

From: WEC Business Services
Laboratory Services PSBA-A070
WDNR Cert # 241329000

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W08D — **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82964 — Sample Collection Date/Time: 11/11/2025 12:29
Sample Received: 11/12/2025 — Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.77	0.05	feet		1		H2OD	11/11/25	RAMBOLL
Field Temperature	8.34	0.1	Degrees (		1		TEMP	11/11/25	RAMBOLL
Field Conductivity	692.9	0	umhos		1		FCOND25	11/11/25	RAMBOLL
Field pH	7.483	0.1	Units	0.1	1		FIELDPH	11/11/25	RAMBOLL
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	11/21/25	020
Bicarbonate Ion	163	5.0	mg/L	10.0	1		HCO3	11/21/25	020
Dissolved Calcium	51400	1140	ug/L	5000	10	D9	EPA 200.7	12/3/25	020
Dissolved Magnesium	22300	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	77500	3500	ug/L	5000	10	D9	EPA 200.7	12/3/25	020
Dissolved Potassium	3590	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	17.1	3	mg/L	10	5	M0	EPA 300.0	12/5/25	020
Dissolved Sulfate	192	4.4	mg/L	20	10	M0	EPA 300.0	12/8/25	020
Total Dissolved Solids	404	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	12.1	3	mg/L	10	5		EPA 300.0	12/8/25	020
Total Sulfate	212	2.2	mg/L	10	5		EPA 300.0	12/8/25	020
Total Fluoride	1.2	0.48	mg/L	1.6	5	J	EPA 300.0	12/8/25	020
Total Boron	442	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	49400	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	215	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	163	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	22300	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W09D — **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82965 — Sample Collection Date/Time: 11/11/2025 13:21
Sample Received: 11/12/2025 — Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	53.83	0.05	feet		1		H2OD	11/11/25	
Field Temperature	7.94	0.1	Degrees (		1		TEMP	11/11/25	
Field Conductivity	330.3	0	umhos		1		FCOND25	11/11/25	
Field pH	7.72	0.1	Units	0.1	1		FIELDPH	11/11/25	
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W09D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82965 Sample Collection Date/Time: 11/11/2025 13:21
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Bicarbonate Ion	142	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	18600	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	10000	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	44300	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1370	325	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Chloride	4.3	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	37.6	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	202	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	4.6	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	29	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.3	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	472	17.3	ug/L	40.0	1		EPA 200.7	12/3/25	020
Total Calcium	18600	114	ug/L	500	1		EPA 200.7	12/3/25	020
Total Hardness as CaCO3	84.3	1.0	mg/L	5.4	1		Std Mtd 2340B	12/3/25	020
Total Alkalinity as CaCO3	142	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	9210	182	ug/L	1000	1		EPA 200.7	12/3/25	020

Sample Comments:

Sample Description: W10D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82966 Sample Collection Date/Time: 11/11/2025 14:14
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	50.15	0.05	feet		1		H2OD	11/11/25	RAMBOLL
Field Temperature	9.38	0.1	Degrees C		1		TEMP	11/11/25	RAMBOLL
Field Conductivity	337.9	0	umhos		1		FCOND25	11/11/25	RAMBOLL
Field pH	7.817	0.1	Units	0.1	1		FIELDPH	11/11/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	139	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	20700	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	8110	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	45400	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1660	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	4.3	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	42.6	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	244	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	4.2	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	42.4	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.2	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	437	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	20700	114	ug/L	500	1		EPA 200.7	12/2/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W10D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82966 Sample Collection Date/Time: 11/11/2025 14:14
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Hardness as CaCO3	85.1	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	139	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	8090	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W46D **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82967 Sample Collection Date/Time: 11/12/2025 08:18
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.92	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	10.19	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	359.8	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.274	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	156	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	25200	114	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Magnesium	15400	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	37300	350	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Potassium	1860	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	5.4	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	36.6	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	214	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	5.4	1.2	mg/L	4	2	M0	EPA 300.0	12/8/25	020
Total Sulfate	32.8	0.89	mg/L	4	2	M0	EPA 300.0	12/8/25	020
Total Fluoride	1.1	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	376	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	24400	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	122	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	156	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	15000	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W48 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82968 Sample Collection Date/Time: 11/12/2025 09:22
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	60.48	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	11.52	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	405.5	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.661	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	232	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	25900	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	17000	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	46800	350	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Potassium	1790	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	4	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/5/25	020
Total Dissolved Solids	226	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	4	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/8/25	020
Total Fluoride	0.94	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	394	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	26200	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	136	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	232	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	17100	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W49 - RADIUM 226 + 22 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82969 Sample Collection Date/Time: 11/12/2025 10:31
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	64.51	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	10.2	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	346.1	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.075	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	122	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	16000	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	7010	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	53000	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1120	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	4.6	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	52.5	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	228	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: W49 - RADIUM 226 + 22 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82969 Sample Collection Date/Time: 11/12/2025 10:31
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Chloride	4.7	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	52.7	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.4	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	482	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	16200	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	69.5	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Miscellaneous	See attached report				1			12/5/25	020
Total Alkalinity as CaCO3	122	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	7050	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: W50 - RADIUM 226 + 28 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82970 Sample Collection Date/Time: 11/12/2025 11:49
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	40.28	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	11.5	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	440.3	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.772	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	155	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	26500	114	ug/L	500	1	D9	EPA 200.7	12/2/25	020
Dissolved Magnesium	10000	182	ug/L	1000	1	D9	EPA 200.7	12/2/25	020
Dissolved Sodium	58100	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1760	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	5	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	73.3	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	246	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	6	3	mg/L	10	5	J,D3,M	EPA 300.0	12/8/25	020
Total Sulfate	82.5	2.2	mg/L	10	5		EPA 300.0	12/8/25	020
Total Fluoride	1.2	0.48	mg/L	1.6	5	J,D3	EPA 300.0	12/8/25	020
Total Boron	541	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	25500	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	104	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Miscellaneous	See attached report				1			12/5/25	020
Total Alkalinity as CaCO3	155	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	9710	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Comments:

Sample Description: QC01 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82971 Sample Collection Date/Time: 11/12/2025 08:23
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	46.92	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	10.19	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	359.8	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	7.274	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	154	5	mg/L	10	1		HCO3	11/21/25	020
Dissolved Calcium	24000	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	14700	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	34700	350	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Potassium	1750	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	5.2	1.2	mg/L	4	2		EPA 300.0	12/5/25	020
Dissolved Sulfate	37.5	0.89	mg/L	4	2		EPA 300.0	12/5/25	020
Total Dissolved Solids	204	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	5.4	1.2	mg/L	4	2		EPA 300.0	12/8/25	020
Total Sulfate	34.6	0.89	mg/L	4	2		EPA 300.0	12/8/25	020
Total Fluoride	1.1	0.19	mg/L	0.63	2		EPA 300.0	12/8/25	020
Total Boron	376	17.3	ug/L	40.0	1		EPA 200.7	12/2/25	020
Total Calcium	24500	114	ug/L	500	1		EPA 200.7	12/2/25	020
Total Hardness as CaCO3	123	1.0	mg/L	5.4	1		Std Mtd 2340B	12/2/25	020
Total Alkalinity as CaCO3	154	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	15100	182	ug/L	1000	1		EPA 200.7	12/2/25	020

Sample Comments:

Sample Description: EB 3 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82972 Sample Collection Date/Time: 11/12/2025 12:10
Sample Received: 11/12/2025 Sample Collector: DL

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	Not Applicable	0.05	feet		1		H2OD	11/12/25	RAMBOLL
Field Temperature	Not Applicable	0.1	Degrees C		1		TEMP	11/12/25	RAMBOLL
Field Conductivity	Not Applicable	0	umhos		1		FCOND25	11/12/25	RAMBOLL
Field pH	Not Applicable	0.1	Units	0.1	1		FIELDPH	11/12/25	RAMBOLL
Carbonate Ion	Less Than	5	mg/L	10	1		CO3	11/21/25	020
Bicarbonate Ion	Less Than	5	mg/L	10	1		HCO3	11/21/25	020

Report Date: Thursday, January 8, 2026

The following are the analytical results for samples received by Laboratory Services:

Sample Description: EB 3 **Caledonia Landfill Semi Annual Sample**
Sample ID: AE82972 Sample Collection Date/Time: 11/12/2025 12:10
Sample Received: 11/12/2025 Sample Collector: DL

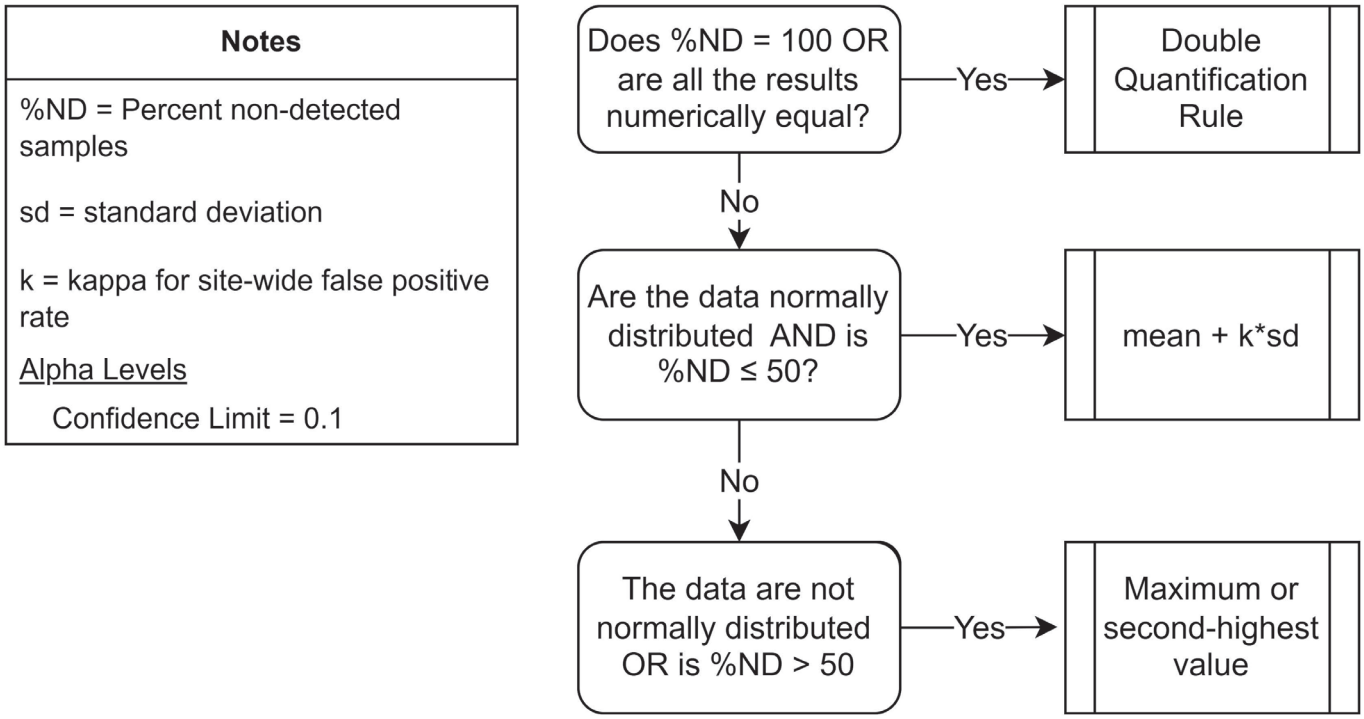
Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Calcium	Less Than	114	ug/L	500	1		EPA 200.7	12/2/25	020
Dissolved Magnesium	Less Than	182	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Sodium	485	350	ug/L	500	1	J	EPA 200.7	12/2/25	020
Dissolved Potassium	Less Than	325	ug/L	1000	1		EPA 200.7	12/2/25	020
Dissolved Chloride	Less Than	1.2	mg/L	4	2	D3	EPA 300.0	12/5/25	020
Dissolved Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/5/25	020
Total Dissolved Solids	Less Than	8.7	mg/L	20	1		Std Mtd 2540 C	11/17/25	020
Total Chloride	Less Than	1.2	mg/L	4	2	D3	EPA 300.0	12/8/25	020
Total Sulfate	Less Than	0.89	mg/L	4	2	D3	EPA 300.0	12/8/25	020
Total Fluoride	Less Than	0.19	mg/L	0.63	2	D3	EPA 300.0	12/8/25	020
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	12/3/25	020
Total Calcium	Less Than	114	ug/L	500	1		EPA 200.7	12/3/25	020
Total Hardness as CaCO3	Less Than	1.0	mg/L	5.4	1		Std Mtd 2340B	12/3/25	020
Total Alkalinity as CaCO3	Less Than	5	mg/L	10	1		SM 2320 B-1997	11/21/25	020
Total Magnesium	Less Than	182	ug/L	1000	1		EPA 200.7	12/3/25	020

Sample Comments:

LOD and LOQ are adjusted for dilution factor.
'J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

If there are any questions concerning this report, please contact Lab Services: 414-221-4595

APPENDIX B
STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES



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 ≥ 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.