

Prepared for  
**Wisconsin Public Service Corporation**

Date  
**January 31, 2025**

Project No.  
**1940102327**

# **2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT**

## **WESTON DISPOSAL SITE NO. 3 LANDFILL**

**2024 ANNUAL GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT  
WESTON DISPOSAL SITE NO. 3 LANDFILL**

Project name **Weston Disposal Site No. 3 Landfill**  
Project no. **1940102327**  
Recipient **Wisconsin Public Service Corporation**  
Document type **Annual Groundwater Monitoring and Corrective Action Report**  
Revision **FINAL**  
Date **January 31, 2025**  
Prepared by **Kyle J. Schaefer**  
Checked by **Eric J. Tlachac, PE**  
Approved by **Nathaniel R. Keller, PG**

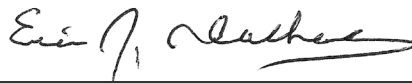
Ramboll  
234 W. Florida Street  
Fifth Floor  
Milwaukee, WI 53204  
USA

T 414-837-3607  
F 414-837-3608  
<https://ramboll.com>



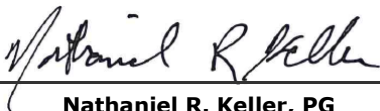
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**Kyle J. Schaefer**  
Senior Project Scientist



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**Eric J. Tlachac, PE**  
Senior Project Manager



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**Nathaniel R. Keller, PG**  
Senior Technical Manager

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## ACRONYMS AND ABBREVIATIONS

§	Section
40 C.F.R.	Title 40 of the Code of Federal Regulations
ASD	Alternate Source Demonstration
Ca	calcium
CCR	Coal Combustion Residuals
Cl	chloride
GMP	Groundwater Monitoring Plan
GWPS	groundwater protection standard
mg/L	milligrams per liter
NA	not applicable
No.	number
NRT/OBG	Natural Resource Technology, an OBG Company
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SO <sub>4</sub>	sulfate
SSI	statistically significant increase
TBD	to be determined
TDS	total dissolved solids
WDS3	Weston Disposal Site No. 3 Landfill

## EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 40 of the Code of Federal Regulations (40 C.F.R.) Section (§) 257.90(e) for the Weston Disposal Site Number (No.) 3 (WDS3) Landfill located in the Town of Knowlton, Wisconsin.

Groundwater is being monitored at the WDS3 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 2024 (no wells were installed or decommissioned).

In 2024, 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 the WDS3 Landfill. The following constituents and wells had SSIs reported in 2024:

- Boron (B) – LS-105, LS-106
- Calcium (Ca) – LS-100, LS-105, and LS-107
- Chloride (Cl) – LS-107
- Sulfate (SO<sub>4</sub>) – LS-100, LS-105, and LS-107
- Total Dissolved Solids (TDS) – LS-100, LS-105, and LS-107

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 were not due to a release from the WDS3 Landfill, but were either 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 WDS3 Landfill.

The WDS3 Landfill 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 Wisconsin Public Service Corporation, to provide the information required by 40 C.F.R. § 257.90(e) for the WDS3 Landfill located in the Town of Knowlton, Wisconsin.

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, 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 an SSI 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 an SSI 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 WDS3 Landfill for calendar year 2024.

## **2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS**

No changes have occurred to the monitoring program status in calendar year 2024 and the WDS3 Landfill remains in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.



### 3. KEY ACTIONS COMPLETED IN 2024

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 2024.

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, Weston Disposal Site No. 3 Landfill* (Natural Resource Technology, an OBG Company [NRT/OBG], 2017). Potentiometric surface maps for the fourth quarter of 2023 and both monitoring events in 2024 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 2023 and both monitoring events in 2024 are presented in **Table 2**. Laboratory reports for both 2024 monitoring events are included in **Appendix A<sup>1</sup>**. Results for analysis of additional 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, Weston Disposal Site No. 3 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 of analytical data, including SSI determinations, from the Detection Monitoring Program for the October 30, 2023 (Detection Monitoring Round 13) and April 26, 2024 (Detection Monitoring Round 14) sampling events were completed in 2024 and within 90 days of receipt of the analytical data. The SSIs determined in 2024 were also determined in previous sampling events. Potential alternate sources and natural variation were evaluated following those previous sampling events as outlined in the 40 C.F.R. § 257.94(e)(2). ASDs were completed and certified by a qualified professional engineer. The dates ASDs were completed are provided in the notes of **Table A**.

<sup>1</sup> Laboratory reports for the fourth quarter of 2023 monitoring event were provided in the 2023 annual report.

**Table A. 2023-2024 Detection Monitoring Program Summary**

Detection Round	Sampling Date	Analytical Data Receipt Date	Parameters Collected	SSI Wells (Parameters)	SSI(s) Determination Date	ASD Completion Date <sup>1</sup>
13	October 30, 2023	December 5, 2023	Appendix III	LS-100 (Ca, SO <sub>4</sub> , TDS) LS-105 (B, Ca, SO <sub>4</sub> , TDS) LS-107 (Ca, Cl, SO <sub>4</sub> , TDS)	March 4, 2024	NA
14	April 26, 2024	May 24, 2024	Appendix III	LS-105 (Ca, SO <sub>4</sub> , TDS) LS-106 (B) LS-107 (Ca, Cl, SO <sub>4</sub> , TDS)	August 22, 2024	NA
15	October 16, 2024	January 8, 2025	Appendix III	TBD	TBD Before April 8, 2025	TBD

**Notes:**

NA: Not applicable

TBD: To Be Determined

<sup>1</sup> The April 15, 2018, July 7, 2021, and June 5, 2023 ASDs for WDS3 provided a description, data, and pertinent information supporting an alternate source for the wells and parameters with an SSI identified during the October 30, 2023 and April 26, 2024 sampling events.

## **4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS**

No problems were encountered with the Groundwater Monitoring Program during 2024. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

## 5. KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continuation of the Detection Monitoring Program with semi-annual sampling scheduled for the second and fourth quarters of 2025.
- 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 2025 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 2025 (*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, Weston Disposal Site No. 3 Landfill, Town of Knowlton, Wisconsin, October 3, 2017.*

Natural Resource Technology, an OBG Company (NRT/OBG), 2017. *Statistical Analysis Plan, Weston Disposal Site No. 3 Landfill, Town of Knowlton, Wisconsin, October 17, 2017.*

## **TABLES**

**TABLE 1  
GROUNDWATER ELEVATIONS**

2024 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
WESTON DISPOSAL SITE NO. 3 LANDFILL  
TOWN OF KNOWLTON, WI

<b>Well ID</b>	<b>Well Type</b>	<b>Latitude (Decimal Degrees)</b>	<b>Longitude (Decimal Degrees)</b>	<b>Date</b>	<b>Groundwater Elevation (ft NAVD88)</b>
LS-101	Background (Upgradient)	44.72648	-89.63627	4/25/2024	1196.14
				10/15/2024	1192.27
LS-100	Compliance (Downgradient)	44.72484	-89.63437	4/25/2024	1191.01
				10/15/2024	1187.86
LS-105	Compliance (Downgradient)	44.72295	-89.63439	4/25/2024	1185.66
				10/15/2024	1184.47
LS-106	Compliance (Downgradient)	44.72219	-89.63533	4/25/2024	1182.14
				10/15/2024	1181.56
LS-107	Compliance (Downgradient)	44.72630	-89.63852	4/25/2024	1188.84
				10/15/2024	1188.16
LS-52	Water Level Only	NA	NA	4/25/2024	1192.22
				10/15/2024	1189.55

**Notes:**

ft = foot/feet

NAVD88 = North American Vertical Datum of 1988

**Weston Disposal Site #3**  
**Table 2. Analytical Results - Appendix III Parameters**

Date Range: 10/30/2023 to 12/31/2024

Lab Methods:

Well Id	Date Sampled	Lab Id	B, tot, mg/L	Ca, tot, mg/L	Cl, tot, mg/L	Fluoride, total, mg/L	pH (field), SU	SO4, tot, mg/L
LS-100	10/30/2023	40270382001	0.0336	21.3	2.30	<0.095	5.7	57.6
	4/26/2024	AE73009	<0.0173	9.2	0.83	<0.095	6.0	9.9
	10/16/2024	40286084018	<0.0173	17.4	2.20	<0.095	5.5	15.4
LS-101	10/30/2023	40270382002	0.0179	3.7	<0.59	<0.095	5.8	1.5
	4/26/2024	AE73011	<0.0173	2.0	<0.59	<0.095	6.1	1.7
	10/16/2024	40286084019	<0.0173	4.6	<0.59	<0.095	5.8	2.1
LS-105	10/30/2023	40270382003	0.0431	22.6	3.10	<0.480	6.0	28.9
	4/26/2024	AE73018	0.0294	21.3	1.70	<0.095	6.0	17.3
	10/16/2024	40286084020	0.0514	20.5	0.85	<0.095	6.0	9.0
LS-106	10/30/2023	40270382004	0.0382	4.0	<3.00	<0.480	6.2	<2.2
	4/26/2024	AE73020	0.1280	4.8	<3.00	<0.480	6.2	<2.2
	10/16/2024	40286084021	0.0293	14.5	1.30	<0.095	6.0	1.8
LS-107	10/30/2023	40270382005	0.0385	40.9	35.20	<0.095	5.7	72.0
	4/26/2024	AE73021	0.0328	31.0	20.30	<0.095	5.8	54.7
	10/16/2024	40286084022	0.0332	29.9	23.80	<0.095	5.6	51.4



**Weston Disposal Site #3**  
**Table 2. Analytical Results - Appendix III Parameters**

Date Range: 10/30/2023 to 12/31/2024

Lab Methods:

Well Id	Date Sampled	Lab Id	TDS, mg/L
LS-100	10/30/2023	40270382001	116
	4/26/2024	AE73009	68
	10/16/2024	40286084018	86
LS-101	10/30/2023	40270382002	50
	4/26/2024	AE73011	48
	10/16/2024	40286084019	34
LS-105	10/30/2023	40270382003	124
	4/26/2024	AE73018	134
	10/16/2024	40286084020	98
LS-106	10/30/2023	40270382004	76
	4/26/2024	AE73020	36
	10/16/2024	40286084021	80
		40286084025	68
LS-107	10/30/2023	40270382005	238
	4/26/2024	AE73021	180
	10/16/2024	40286084022	184

**Notes:**

Exceedance of Background

**TABLE 3**

**STATISTICAL BACKGROUND VALUES**

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WESTON DISPOSAL SITE NO. 3 LANDFILL

TOWN OF KNOWLTON, WISCONSIN

<b>Parameter</b>	<b>Statistical Background Value (LPL/UPL)</b>
40 C.F.R. Part 257 Appendix III	
Boron (mg/L)	0.0430
Calcium (mg/L)	12.9
Chloride (mg/L)	4.26
Fluoride (mg/L)	DQR
pH (field) (SU)	4.9/8.8
Sulfate (mg/L)	13.3
Total Dissolved Solids (mg/L)	100

**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

DQR = Double quantification rule, background data set is non-detect. If parameter is detected in both the sample event and a resample it is considered an exceedance.

SU = Standard Units

UPL = Upper Prediction Limit




## FIGURES



PROJECT: 71202 | DATED: 1/29/2024 | DESIGNER: GALARNIMC  
Y:\GIS\Projects\1611660\Weston\_Power\_Plant\MXD\2023\Annual\_GWM\_CAR\Figure 1\_Monitoring Well Location Map.mxd



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

-  CCR RULE DOWNGRADIENT MONITORING WELL LOCATION
-  CCR RULE UPGRADIENT MONITORING WELL LOCATION
-  WESTON DISPOSAL SITE NO. 3 LANDFILL



**NOTES**  
1. IMAGERY DATE = 10/10/2022

### MONITORING WELL LOCATION MAP

2024 ANNUAL GROUNDWATER MONITORING  
AND CORRECTIVE ACTION REPORT  
WESTON DISPOSAL SITE NO. 3 LANDFILL  
TOWN OF KNOWLTON, WISCONSIN

FIGURE 1

RAMBOLL AMERICAS  
ENGINEERING SOLUTIONS, INC.







- WESTON DISPOSAL SITE NO. 3 LANDFILL
- GROUNDWATER GRADIENT CONTROL SYSTEM
- CCR RULE MONITORING WELL
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD 88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

- NOTES**
1. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
  2. Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
  3. IMAGERY DATE = 10/10/2022



**POTENTIOMETRIC SURFACE MAP  
OCTOBER 30, 2023**

**2024 ANNUAL GROUNDWATER MONITORING  
AND CORRECTIVE ACTION REPORT  
WESTON DISPOSAL SITE NO. 3 LANDFILL  
TOWN OF KNOWLTON, WISCONSIN**

**FIGURE 2**





**GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS  
WESTON DISPOSAL SITE NO. 3 LANDFILL  
TOWN OF KNOWLTON, WISCONSIN**

<b>OCTOBER 2023</b>		$V = K i / n_e$	V = Groundwater Velocity K = Hydraulic Conductivity i = Hydraulic Gradient (unitless value) $n_e$ = Effective Porosity
<b>UPPERMOST AQUIFER</b>			
<b>Contours</b>	<b>1192 to 1190</b>	<b>South Side of Cell 1 / North Side of Cell 2</b>	Elevation Change (ft)      Distance Change (ft)
K =	1.28E+01 ft/yr	Geometric mean for Landfill 3 (all)	
i =	0.006	between contours identified above	
$n_e$ =	25 %		2 / 343      0.006
V =	$\frac{1.28E+01 * 5.83E-03}{0.25}$		
V =	0.30 feet/year		

[O: KJS 1/29/2024, C:EJT 1/29/2024]





- WESTON DISPOSAL SITE NO. 3 LANDFILL
- GROUNDWATER GRADIENT CONTROL SYSTEM
- CCR RULE MONITORING WELL
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD 88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

- NOTES**
1. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
  2. V<sub>gw</sub> = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
  3. IMAGERY DATE = 10/10/2022



**POTENTIOMETRIC SURFACE MAP  
APRIL 25, 2024**

**2024 ANNUAL GROUNDWATER MONITORING  
AND CORRECTIVE ACTION REPORT  
WESTON DISPOSAL SITE NO. 3 LANDFILL  
TOWN OF KNOWLTON, WISCONSIN**

**FIGURE 3**





**GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS  
 WESTON DISPOSAL SITE NO. 3 LANDFILL  
 TOWN OF KNOWLTON, WISCONSIN**

<b>APRIL 2024</b>		$V = K i / n_e$	V = Groundwater Velocity K = Hydraulic Conductivity i = Hydraulic Gradient (unitless value) n <sub>e</sub> = Effective Porosity
<b>UPPERMOST AQUIFER</b>			
<b>Contours</b>	<b>1193 to 1191</b>	<b>South Side of Cell 1 / North Side of Cell 2</b>	Elevation Change (ft)      Distance Change (ft)
K =	1.28E+01 ft/yr	Geometric mean for Landfill 3 (all)	
i =	0.007	between contours identified above	
n <sub>e</sub> =	25 %		2 / 296      0.007
V =	$\frac{1.28E+01 * 6.76E-03}{0.25}$		
V =	0.35 feet/year		

[O: KJS 8/9/2024, C: NRK 1/28/25]





- WESTON DISPOSAL SITE NO. 3 LANDFILL
- GROUNDWATER GRADIENT CONTROL SYSTEM
- CCR RULE MONITORING WELL
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD 88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

- NOTES**
1. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).
  2.  $V_{gw}$  = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
  3. IMAGERY DATE = 10/10/2022



**POTENTIOMETRIC SURFACE MAP  
 OCTOBER 15, 2024**

**2024 ANNUAL GROUNDWATER MONITORING  
 AND CORRECTIVE ACTION REPORT  
 WESTON DISPOSAL SITE NO. 3 LANDFILL  
 TOWN OF KNOWLTON, WISCONSIN**

**FIGURE 4**





**GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS  
WESTON DISPOSAL SITE NO. 3 LANDFILL  
TOWN OF KNOWLTON, WISCONSIN**

<b>OCTOBER 2024</b>		$V = K i / n_e$	V = Groundwater Velocity K = Hydraulic Conductivity i = Hydraulic Gradient (unitless value) $n_e$ = Effective Porosity
<b>UPPERMOST AQUIFER</b>			
<b>Contours</b>	<b>1185 to 1184</b>	<b>South Side of Cell 1 / North Side of Cell 2</b>	Elevation Change (ft)      Distance Change (ft)
K =	1.28E+01 ft/yr	Geometric mean for Landfill 3 (all)	
i =	0.007	between contours identified above	
$n_e$ =	25 %		1 / 153      0.007
V =	$\frac{1.28E+01 * 6.54E-03}{0.25}$		
V =	0.33 feet/year		

[O:KJS 11/26/24, C: NRK 1/28/25]

## **APPENDICES**

**APPENDIX A**  
**LABORATORY REPORTS**

To: Eric Kovatch  
 PSB Annex A231

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



Report Date: Friday, May 24, 2024

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

Sample Description: **LHT - WDS#3 Ash Landfill - Semi Annual Sample**  
 Sample ID: AE73002 Sample Collection Date/Time: 04/26/2024 17:10  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	9.7	0.1	Degrees C		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	2683	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	7.2	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	0.27	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Total Mercury	27.6	0.20	ng/L	0.50	1		EPA 1631E	5/14/24	020
Total Boron	935	17.3	ug/L	40.0	1		EPA 200.7	5/1/24	020
Total Cadmium	Less Than	1.3	ug/L	5.0	1		EPA 200.7	5/1/24	020
Total Iron	Less Than	56.7	ug/L	100	1		EPA 200.7	5/1/24	020
Total Lead	Less Than	5.9	ug/L	20.0	1		EPA 200.7	5/1/24	020
Total Manganese	1110	1.5	ug/L	5.0	1	J	EPA 200.7	5/1/24	020
Total Hardness as CaCO3	800	1.0	mg/L	5.4	1		Std Mtd 2340B	5/1/24	020
Total Alkalinity as CaCO3	69.4	5.0	mg/L	10.0	1		SM 2320 B-1997	5/7/24	020
Total Suspended Solids	Less Than	0.48	mg/L	1.0	1		Std Mtd 2540 D	4/30/24	020
Biochemical Oxygen Demand	Less Than	2	mg/L	2	1		Std Mtd 5210B	5/2/24	020
Total Chloride	206	11.8	mg/L	40.0	20		EPA 300.0	5/10/24	020
Total Sulfate	1180	8.9	mg/L	40.0	20		EPA 300.0	5/10/24	020
COD	41.0	14.7	mg/L	50.0	1		EPA 410.4	5/8/24	020

Sample Comments:

Sample Description: **LS-10 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE73003 Sample Collection Date/Time: 04/26/2024 11:45  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	12.19	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	7.4	0.1	Degrees C		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	278	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	7.0	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	15.9	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-10 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73003 Sample Collection Date/Time: 04/26/2024 11:45  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Hardness as CaCO3	139	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	138	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	138	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	4.0	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Sample Comments:

Sample Description: **LS-48P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73004 Sample Collection Date/Time: 04/25/2024 14:45  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	1.27	0.05	feet		1		H2OD	4/25/24	JOETTINGER
Field Temperature	8.6	0.1	Degrees t		1		TEMP	4/25/24	JOETTINGER
Field Conductivity	203	0	umhos		1		FCOND25	4/25/24	JOETTINGER
Field pH	8.0	0.1	Units	0.1	1		FIELDPH	4/25/24	JOETTINGER
Turbidity	29.6	0.1	NTU'S		1		EPA 180.1	4/25/24	JOETTINGER
Dissolved Boron	83.6	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	16.7	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	52.2	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	92.4	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	92.4	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	14.7	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Sample Comments:

Sample Description: **LS-48R Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73005 Sample Collection Date/Time: 04/25/2024 14:45  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	2.25	0.05	feet		1		H2OD	4/25/24	JOETTINGER
Field Temperature	5.9	0.1	Degrees t		1		TEMP	4/25/24	JOETTINGER
Field Conductivity	205	0	umhos		1		FCOND25	4/25/24	JOETTINGER
Field pH	7.3	0.1	Units	0.1	1		FIELDPH	4/25/24	JOETTINGER

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-48R Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73005 Sample Collection Date/Time: 04/25/2024 14:45  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Turbidity	17.8	0.1	NTU'S		1		EPA 180.1	4/25/24	J OETTINGER
Dissolved Boron	65.0	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	92.9	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	104	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	104	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	7.2	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Sample Comments:

Sample Description: **LS-49R Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73006 Sample Collection Date/Time: 04/26/2024 16:21  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	3.73	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	5.7	0.1	Degrees t		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	204	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.1	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	8.4	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	87.0	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	108	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	108	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	4.4	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Sample Comments:

Sample Description: **LS-54 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73007 Sample Collection Date/Time: 04/26/2024 10:35  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	1.31	0.05	feet		1		H2OD	4/26/24	J OETTINGER

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-54 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73007 Sample Collection Date/Time: 04/26/2024 10:35  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	5.5	0.1	Degrees C		1		TEMP	4/26/24	JOETTINGER
Field Conductivity	42	0	umhos		1		FCOND25	4/26/24	JOETTINGER
Field pH	6.2	0.1	Units	0.1	1		FIELDPH	4/26/24	JOETTINGER
Turbidity	73.4	0.1	NTU'S		1		EPA 180.1	4/26/24	JOETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	11.7	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	8.7	5.0	mg/l	10.0	1	J	Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	8.7	5.0	mg/L	10.0	1	J	HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	4.8	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Sample Comments:

Sample Description: **LS-54P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73008 Sample Collection Date/Time: 04/26/2024 10:25  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	0.69	0.05	feet		1		H2OD	4/26/24	JOETTINGER
Field Temperature	7.2	0.1	Degrees C		1		TEMP	4/26/24	JOETTINGER
Field Conductivity	62	0	umhos		1		FCOND25	4/26/24	JOETTINGER
Field pH	6.6	0.1	Units	0.1	1		FIELDPH	4/26/24	JOETTINGER
Turbidity	157.8	0.1	NTU'S		1		EPA 180.1	4/26/24	JOETTINGER
Dissolved Boron	18.2	17.3	ug/L	40.0	1	J	EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	20.6	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	22.1	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	22.1	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	5.1	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Sample Comments:



Report Date: Friday, May 24, 2024

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

Sample Description: **LS-100 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE73009 Sample Collection Date/Time: 04/26/2024 14:04  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	8.26	0.05	feet		1		H2OD	4/26/24	JOETTINGER
Field Temperature	5.1	0.1	Degrees t		1		TEMP	4/26/24	JOETTINGER
Field Conductivity	77	0	umhos		1		FCOND25	4/26/24	JOETTINGER
Field pH	6.0	0.1	Units	0.1	1		FIELDPH	4/26/24	JOETTINGER
Turbidity	3.6	0.1	NTU'S		1		EPA 180.1	4/26/24	JOETTINGER
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	5/2/24	020
Total Calcium	9170	114	ug/L	500	1		EPA 200.7	5/2/24	020
Total Hardness as CaCO3	29.3	1.0	mg/L	5.4	1		Std Mtd 2340B	5/2/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	29.5	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Alkalinity as CaCO3	24.3	5.0	mg/L	10.0	1		SM 2320 B-1997	5/7/24	020
Total Filtered Alkalinity as CaCO3	23.8	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	24.3	5.0	mg/L	10.0	1		HCO3	5/7/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/7/24	020
Total Dissolved Solids	68.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	4/30/24	020
Total Chloride	0.83	0.59	mg/L	2.0	1	J	EPA 300.0	5/14/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	5/14/24	020
Total Sulfate	9.9	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020
Dissolved Sulfate	10.1	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Sample Comments:

Sample Description: **LS-100P Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE73010 Sample Collection Date/Time: 04/26/2024 11:15  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	9.46	0.05	feet		1		H2OD	4/26/24	JOETTINGER
Field Temperature	8.4	0.1	Degrees t		1		TEMP	4/26/24	JOETTINGER
Field Conductivity	264	0	umhos		1		FCOND25	4/26/24	JOETTINGER
Field pH	6.7	0.1	Units	0.1	1		FIELDPH	4/26/24	JOETTINGER
Turbidity	35.8	0.1	NTU'S		1		EPA 180.1	4/26/24	JOETTINGER
Dissolved Boron	28.7	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	120	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	124	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	124	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	22.3	0.44	mg/L	2.0	1		EPA 300.0	5/13/24	020

Report Date: Friday, May 24, 2024

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

Sample Comments:

Sample Description: **LS-101 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE73011 Sample Collection Date/Time: 04/26/2024 13:29  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	9.62	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	5.5	0.1	Degrees t		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	23	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.1	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	10.0	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	5/1/24	020
Total Calcium	1970	114	ug/L	500	1		EPA 200.7	5/1/24	020
Total Hardness as CaCO3	7.44	1.00	mg/L	5.40	1		Std Mtd 2340B	5/1/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	6.82	1.00	mg/L	5.40	1		Std Mtd 2340B	4/30/24	020
Total Alkalinity as CaCO3	8.2	5.0	mg/L	10.0	1	J	SM 2320 B-1997	5/10/24	020
Total Filtered Alkalinity as CaCO3	5.8	5.0	mg/l	10.0	1	J	Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	8.2	5.0	mg/L	10.0	1	J	HCO3	5/10/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/10/24	020
Total Dissolved Solids	48.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	4/30/24	020
Total Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	5/14/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	5/14/24	020
Total Sulfate	1.7	0.44	mg/L	2.0	1	J	EPA 300.0	5/14/24	020
Dissolved Sulfate	1.7	0.44	mg/L	2.0	1	J	EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **LS-101P Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE73012 Sample Collection Date/Time: 04/26/2024 11:35  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	9.51	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	8.8	0.1	Degrees t		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	54	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.8	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	61.1	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-101P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73012 Sample Collection Date/Time: 04/26/2024 11:35  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Hardness as CaCO3	15.1	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	15.1	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	15.1	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	2.9	0.44	mg/L	2.0	1		EPA 300.0	5/9/24	020

Sample Comments:

Sample Description: **LS-102 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73013 Sample Collection Date/Time: 04/25/2024 15:40  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	2.63	0.05	feet		1		H2OD	4/25/24	JOETTINGER
Field Temperature	8.7	0.1	Degrees t		1		TEMP	4/25/24	JOETTINGER
Field Conductivity	66	0	umhos		1		FCOND25	4/25/24	JOETTINGER
Field pH	6.5	0.1	Units	0.1	1		FIELDPH	4/25/24	JOETTINGER
Turbidity	28.9	0.1	NTU'S		1		EPA 180.1	4/25/24	JOETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	19.1	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	10.9	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	10.9	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	6.4	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **LS-102P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73014 Sample Collection Date/Time: 04/25/2024 15:50  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	1.63	0.05	feet		1		H2OD	4/25/24	JOETTINGER
Field Temperature	8.2	0.1	Degrees t		1		TEMP	4/25/24	JOETTINGER
Field Conductivity	109	0	umhos		1		FCOND25	4/25/24	JOETTINGER
Field pH	6.0	0.1	Units	0.1	1		FIELDPH	4/25/24	JOETTINGER

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-102P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73014 Sample Collection Date/Time: 04/25/2024 15:50  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Turbidity	160.6	0.1	NTU'S		1		EPA 180.1	4/25/24	J OETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	41.8	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	27.3	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	27.3	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	9.2	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **LS-103 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73015 Sample Collection Date/Time: 04/25/2024 12:20  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	10.56	0.05	feet		1		H2OD	4/25/24	J OETTINGER
Field Temperature	10.2	0.1	Degrees t		1		TEMP	4/25/24	J OETTINGER
Field Conductivity	217	0	umhos		1		FCOND25	4/25/24	J OETTINGER
Field pH	6.1	0.1	Units	0.1	1		FIELDPH	4/25/24	J OETTINGER
Turbidity	36.2	0.1	NTU'S		1		EPA 180.1	4/25/24	J OETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.3	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	69.9	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	5.8	5.0	mg/l	10.0	1	J	Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	5.8	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	4.8	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **LS-103P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73016 Sample Collection Date/Time: 04/25/2024 12:30  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	10.7	0.05	feet		1		H2OD	4/25/24	J OETTINGER

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-103P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73016 Sample Collection Date/Time: 04/25/2024 12:30  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	9.6	0.1	Degrees C		1		TEMP	4/25/24	JOETTINGER
Field Conductivity	444	0	umhos		1		FCOND25	4/25/24	JOETTINGER
Field pH	6.9	0.1	Units	0.1	1		FIELDPH	4/25/24	JOETTINGER
Turbidity	86.4	0.1	NTU'S		1		EPA 180.1	4/25/24	JOETTINGER
Dissolved Boron	19.6	17.3	ug/L	40.0	1	J	EPA 200.7	4/30/24	020
Dissolved Molybdenum	4.5	2.4	ug/L	10.0	1	J	EPA 200.7	4/30/24	020
Total Hardness as CaCO3	212	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	160	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	160	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	14.6	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **LS-104 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73017 Sample Collection Date/Time: 04/26/2024 10:00  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	9.50	0.05	feet		1		H2OD	4/26/24	JOETTINGER
Field Temperature	6.3	0.1	Degrees C		1		TEMP	4/26/24	JOETTINGER
Field Conductivity	48	0	umhos		1		FCOND25	4/26/24	JOETTINGER
Field pH	7.4	0.1	Units	0.1	1		FIELDPH	4/26/24	JOETTINGER
Turbidity	33.9	0.1	NTU'S		1		EPA 180.1	4/26/24	JOETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	8.43	1.00	mg/L	5.40	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	6.3	5.0	mg/l	10.0	1	J	Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	6.3	5.0	mg/L	10.0	1	J	HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	2.9	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-105 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE73018 Sample Collection Date/Time: 04/26/2024 14:36  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	4.70	0.05	feet		1		H2OD	4/26/24	JOETTINGER
Field Temperature	6.5	0.1	Degrees t		1		TEMP	4/26/24	JOETTINGER
Field Conductivity	188	0	umhos		1		FCOND25	4/26/24	JOETTINGER
Field pH	6.0	0.1	Units	0.1	1		FIELDPH	4/26/24	JOETTINGER
Turbidity	2.8	0.1	NTU'S		1		EPA 180.1	4/26/24	JOETTINGER
Total Boron	29.4	17.3	ug/L	40.0	1	J	EPA 200.7	5/1/24	020
Total Calcium	21300	114	ug/L	500	1		EPA 200.7	5/1/24	020
Total Hardness as CaCO3	75.1	1.0	mg/L	5.4	1		Std Mtd 2340B	5/1/24	020
Dissolved Boron	28.2	17.3	ug/L	40.0	1	J	EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	76.9	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Alkalinity as CaCO3	69.8	5.0	mg/L	10.0	1	J	SM 2320 B-1997	5/7/24	020
Total Filtered Alkalinity as CaCO3	76.3	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	69.8	5.0	mg/L	10.0	1		HCO3	5/7/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/7/24	020
Total Dissolved Solids	134	8.7	mg/L	20.0	1		Std Mtd 2540 C	4/30/24	020
Total Chloride	1.7	0.59	mg/L	2.0	1		EPA 300.0	5/14/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	5/14/24	020
Total Sulfate	17.3	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020
Dissolved Sulfate	17.4	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **LS-105P Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE73019 Sample Collection Date/Time: 04/26/2024 11:00  
 Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	4.63	0.05	feet		1		H2OD	4/26/24	JOETTINGER
Field Temperature	8.4	0.1	Degrees t		1		TEMP	4/26/24	JOETTINGER
Field Conductivity	189	0	umhos		1		FCOND25	4/26/24	JOETTINGER
Field pH	5.9	0.1	Units	0.1	1		FIELDPH	4/26/24	JOETTINGER
Turbidity	10.2	0.1	NTU'S		1		EPA 180.1	4/26/24	JOETTINGER
Dissolved Boron	33.1	17.3	ug/L	40.0	1	J	EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	89.4	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	73.1	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	73.1	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	21.6	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Report Date: Friday, May 24, 2024

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

Sample Comments:

Sample Description: **LS-106 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73020 Sample Collection Date/Time: 04/26/2024 15:38  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	12.52	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	6.0	0.1	Degrees t		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	33	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.2	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	181.6	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Total Boron	128	17.3	ug/L	40.0	1		EPA 200.7	5/1/24	020
Total Calcium	4790	114	ug/L	500	1		EPA 200.7	5/1/24	020
Total Hardness as CaCO3	29.5	1.0	mg/L	5.4	1		Std Mtd 2340B	5/1/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Calcium	3800	114	ug/L	500	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	14.5	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Alkalinity as CaCO3	13.7	5.0	mg/L	10.0	1		SM 2320 B-1997	5/10/24	020
Bicarbonate Ion	13.7	5.0	mg/L	10.0	1		HCO3	5/10/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/10/24	020
Total Dissolved Solids	36.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	5/1/24	020
Total Chloride	Less Than	3.0	mg/L	10.0	5	D3	EPA 300.0	5/14/24	020
Total Fluoride	Less Than	0.48	mg/L	1.6	5		EPA 300.0	5/14/24	020
Total Sulfate	Less Than	2.2	mg/L	10.0	5		EPA 300.0	5/14/24	020
Dissolved Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	5/14/24	020
Dissolved Fluoride	0.13	0.095	mg/L	0.32	1	J	EPA 300.0	5/14/24	020
Dissolved Sulfate	1.3	0.44	mg/L	2.0	1	J	EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **LS-107 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73021 Sample Collection Date/Time: 04/26/2024 12:34  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	5.85	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	5.7	0.1	Degrees t		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	255	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	5.8	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	2.4	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Total Boron	32.8	17.3	ug/L	40.0	1	J	EPA 200.7	5/1/24	020

Report Date: Friday, May 24, 2024

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

Sample Description: **LS-107 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73021 Sample Collection Date/Time: 04/26/2024 12:34  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Calcium	31000	114	ug/L	500	1		EPA 200.7	5/1/24	020
Total Hardness as CaCO3	106	1.0	mg/L	5.4	1		Std Mtd 2340B	5/1/24	020
Total Alkalinity as CaCO3	37.0	5.0	mg/L	10.0	1		SM 2320 B-1997	5/7/24	020
Bicarbonate Ion	37.0	5.0	mg/L	10.0	1		HCO3	5/7/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/7/24	020
Total Dissolved Solids	180	8.7	mg/L	20.0	1		Std Mtd 2540 C	5/1/24	020
Total Chloride	20.3	0.59	mg/L	2.0	1		EPA 300.0	5/14/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	5/14/24	020
Total Sulfate	54.7	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **QAQC 1 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73022 Sample Collection Date/Time: 04/25/2024 00:00  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	18.8	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	12.1	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	12.1	5.0	mg/L	10.0	1		HCO3	5/9/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	6.4	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **QAQC 2 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73023 Sample Collection Date/Time: 04/25/2024 00:00  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	4/30/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	4/30/24	020
Total Hardness as CaCO3	72.8	1.0	mg/L	5.4	1		Std Mtd 2340B	4/30/24	020
Total Filtered Alkalinity as CaCO3	7.5	5.0	mg/l	10.0	1	J	Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	7.5	5.0	mg/L	10.0	1	J	HCO3	5/9/24	020



Report Date: Friday, May 24, 2024

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

Sample Description: **QAQC 2 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73023 Sample Collection Date/Time: 04/25/2024 00:00  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	4.8	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **QAQC 3 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73024 Sample Collection Date/Time: 04/26/2024 00:00  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	5/1/24	020
Total Calcium	8700	114	ug/L	500	1		EPA 200.7	5/1/24	020
Total Hardness as CaCO3	27.9	1.0	mg/L	5.4	1		Std Mtd 2340B	5/1/24	020
Total Alkalinity as CaCO3	24.0	5.0	mg/L	10.0	1		SM 2320 B-1997	5/7/24	020
Bicarbonate Ion	24.0	5.0	mg/L	10.0	1		HCO3	5/7/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/7/24	020
Total Dissolved Solids	60.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	5/1/24	020
Total Chloride	1.0	0.59	mg/L	2.0	1	J	EPA 300.0	5/14/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	5/14/24	020
Total Sulfate	10.0	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

Sample Description: **EB 1 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73025 Sample Collection Date/Time: 04/25/2024 16:00  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	10.5	0.1	Degrees t		1		TEMP	4/25/24	J OETTINGER
Field Conductivity	4.6	0	umhos		1		FCOND25	4/25/24	J OETTINGER
Field pH	7.0	0.1	Units	0.1	1		FIELDPH	4/25/24	J OETTINGER
Turbidity	0.82	0.1	NTU'S		1		EPA 180.1	4/25/24	J OETTINGER
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	5/15/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	5/15/24	020
Total Hardness as CaCO3	Less Than	1.00	mg/L	5.40	1		Std Mtd 2340B	5/15/24	020
Total Filtered Alkalinity as CaCO3	Less Than	5.0	mg/l	10.0	1		Std Mtd 2320 B	5/9/24	020
Bicarbonate Ion	Less Than	5.0	mg/L	10.0	1		HCO3	5/9/24	020

Report Date: Friday, May 24, 2024

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

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Sample Description: **EB 1 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73025 Sample Collection Date/Time: 04/25/2024 16:00  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/9/24	020
Dissolved Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

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Sample Description: **EB 2 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE73026 Sample Collection Date/Time: 04/26/2024 16:40  
Sample Received: 05/24/2024 Sample Collector: R E LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	10.9	0.1	Degrees C		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	3.2	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	7.0	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	0.46	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	5/1/24	020
Total Calcium	Less Than	114	ug/L	500	1		EPA 200.7	5/1/24	020
Total Hardness as CaCO3	Less Than	1.00	mg/L	5.40	1		Std Mtd 2340B	5/1/24	020
Total Alkalinity as CaCO3	Less Than	5.0	mg/L	10.0	1		SM 2320 B-1997	5/7/24	020
Bicarbonate Ion	Less Than	5.0	mg/L	10.0	1		HCO3	5/7/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	5/7/24	020
Total Dissolved Solids	Less Than	8.7	mg/L	20.0	1		Std Mtd 2540 C	5/1/24	020
Total Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	5/14/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	5/14/24	020
Total Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	5/14/24	020

Sample Comments:

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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, January 8, 2025

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Sample Description: <b>LS-10 Weston Disposal Site #3 - Ash Landfill Sample</b>									
Sample ID:	AE75995							Sample Collection Date/Time: 10/16/2024 12:50	
Sample Received:	12/17/2024							Sample Collector: RE LEE	
Field Water Level	14.93	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	8.6	0.1	Degrees t		1		TEMP	10/16/24	REL
Field Conductivity	303	0	umhos		1		FCOND25	10/16/24	REL
Field pH	7.3	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	9.9	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Total Filtered Alkalinity as CaCO3	157	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	4.4	0.44	mg/L	2.0	1	H1	EPA 300.0	11/14/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	168	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Qualifier H1 - analysis conducted outside of the method hold time.

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Sample Description: <b>LS-48P Weston Disposal Site #3 - Ash Landfill Sample</b>									
Sample ID:	AE75996							Sample Collection Date/Time: 10/15/2024 16:30	
Sample Received:	12/17/2024							Sample Collector: RE LEE	
Field Water Level	1.75	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	6.0	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	214	0	umhos		1		FCOND25	10/15/24	REL
Field pH	7.1	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	52.9	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	97.0	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	16.6	0.44	mg/L	2.0	1	H1	EPA 300.0	11/13/24	020
Dissolved Boron	75.8	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	19.0	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	50.3	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Report Date: Wednesday, January 8, 2025

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

Sample Comments:

Qualifier H1 - analysis conducted outside of the method hold time.

Sample Description: **LS-48R Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE75997 Sample Collection Date/Time: 10/15/2024 16:40  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	2.19	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	8.5	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	224	0	umhos		1		FCOND25	10/15/24	REL
Field pH	6.7	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	27.1	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	110	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	9.8	0.44	mg/L	2.0	1	M0	EPA 300.0	11/11/24	020
Dissolved Boron	79.0	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	2.6	2.4	ug/L	10.0	1	J	EPA 200.7	10/23/24	020
Total Hardness as CaCO3	99.4	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Sample Description: **LS-49R Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE75998 Sample Collection Date/Time: 10/17/2024 09:48  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	4.34	0.05	feet		1		H2OD	10/17/24	REL
Field Temperature	8.6	0.1	Degrees t		1		TEMP	10/17/24	REL
Field Conductivity	128	0	umhos		1		FCOND25	10/17/24	REL
Field pH	6.2	0.1	Units	0.1	1		FIELDPH	10/17/24	REL
Turbidity	4.1	0.1	NTU'S		1		EPA 180.1	10/17/24	REL
Total Filtered Alkalinity as CaCO3	61.2	20	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	5.9	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	52.7	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-54 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE75999 Sample Collection Date/Time: 10/15/2024 14:10  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	2.45	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	9.3	0.1	Degrees C		1		TEMP	10/15/24	REL
Field Conductivity	57	0	umhos		1		FCOND25	10/15/24	REL
Field pH	5.7	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	42.7	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	20.8	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	3.5	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	15.9	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Sample Description: **LS-54P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76000 Sample Collection Date/Time: 10/15/2024 14:20  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	1.57	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	6.7	0.1	Degrees C		1		TEMP	10/15/24	REL
Field Conductivity	90	0	umhos		1		FCOND25	10/15/24	REL
Field pH	5.9	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	133.3	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	39.8	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	4.5	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	32.0	17.3	ug/L	40.0	1	J	EPA 200.7	10/23/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	31.5	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Sample Description: **LS-100P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76001 Sample Collection Date/Time: 10/15/2024 16:00  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	11.37	0.05	feet		1		H2OD	10/15/24	REL

Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-100P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76001 Sample Collection Date/Time: 10/15/2024 16:00  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	8.5	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	272	0	umhos		1		FCOND25	10/15/24	REL
Field pH	6.5	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	10.1	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	121	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	23.0	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	22.1	17.3	ug/L	40.0	1	J	EPA 200.7	10/23/24	020
Dissolved Molybdenum	3.1	2.4	ug/L	10.0	1	J	EPA 200.7	10/23/24	020
Total Hardness as CaCO3	121	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Sample Description: **LS-101P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76002 Sample Collection Date/Time: 10/16/2024 11:45  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	13.22	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	7.5	0.1	Degrees t		1		TEMP	10/16/24	REL
Field Conductivity	72	0	umhos		1		FCOND25	10/16/24	REL
Field pH	6.9	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	56.7	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Total Filtered Alkalinity as CaCO3	26.5	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	3.4	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	19.7	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Sample Description: **LS-102 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76003 Sample Collection Date/Time: 10/16/2024 12:20  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	4.24	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	10.5	0.1	Degrees t		1		TEMP	10/16/24	REL

Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-102 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76003 Sample Collection Date/Time: 10/16/2024 12:20  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Conductivity	104	0	umhos		1		FCOND25	10/16/24	REL
Field pH	5.7	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	2.2	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Total Filtered Alkalinity as CaCO3	20.7	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	8.2	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	27.2	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Sample Description: **LS-102P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76004 Sample Collection Date/Time: 10/16/2024 12:30  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	3.50	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	8.1	0.1	Degrees t		1		TEMP	10/16/24	REL
Field Conductivity	107	0	umhos		1		FCOND25	10/16/24	REL
Field pH	5.7	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	105	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Total Filtered Alkalinity as CaCO3	28.1	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	9.0	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	35.3	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020

Sample Comments:

Sample Description: **LS-103 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76005 Sample Collection Date/Time: 10/15/2024 12:35  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	15.16	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	10.4	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	299	0	umhos		1		FCOND25	10/15/24	REL

Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-103 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76005 Sample Collection Date/Time: 10/15/2024 12:35  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field pH	5.8	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	6.2	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	15.8	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/29/24	020
Dissolved Sulfate	7.4	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/22/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/22/24	020
Total Hardness as CaCO3	78.3	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020

Sample Comments:

Sample Description: **LS-103P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76006 Sample Collection Date/Time: 10/15/2024 12:45  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	15.86	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	7.2	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	523	0	umhos		1		FCOND25	10/15/24	REL
Field pH	6.7	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	249	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	163	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	15.3	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	18.9	17.3	ug/L	40.0	1	J	EPA 200.7	10/22/24	020
Dissolved Molybdenum	4.9	2.4	ug/L	10.0	1	J	EPA 200.7	10/22/24	020
Total Hardness as CaCO3	226	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020

Sample Comments:

Sample Description: **LS-104 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76007 Sample Collection Date/Time: 10/15/2024 13:25  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	14.60	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	10.2	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	54	0	umhos		1		FCOND25	10/15/24	REL
Field pH	5.9	0.1	Units	0.1	1		FIELDPH	10/15/24	REL



Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-104 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76007 Sample Collection Date/Time: 10/15/2024 13:25  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Turbidity	161.2	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	16.1	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/29/24	020
Dissolved Sulfate	2.4	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/22/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/22/24	020
Total Hardness as CaCO3	11.1	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020

Sample Comments:

Sample Description: **LS-105P Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76008 Sample Collection Date/Time: 10/15/2024 15:20  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	5.78	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	9.6	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	181	0	umhos		1		FCOND25	10/15/24	REL
Field pH	5.9	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	7.6	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	56.4	20	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	27.6	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	63.9	17.3	ug/L	40.0	1		EPA 200.7	10/22/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/22/24	020
Total Hardness as CaCO3	74.9	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020

Sample Comments:

Sample Description: **QAQC 1 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76009 Sample Collection Date/Time: 10/15/2024 00:00  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Filtered Alkalinity as CaCO3	16.6	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/29/24	020
Dissolved Sulfate	7.5	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/28/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/28/24	020
Total Hardness as CaCO3	76.6	1.0	mg/L	5.4	1		Std Mtd 2340B	10/28/24	020

Report Date: Wednesday, January 8, 2025

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

Sample Comments:

Sample Description: **QAQC 2 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76010 Sample Collection Date/Time: 10/15/2024 00:00  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Filtered Alkalinity as CaCO3	56.3	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	27.4	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	64.1	17.3	ug/L	40.0	1		EPA 200.7	10/28/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/28/24	020
Total Hardness as CaCO3	75.3	1.0	mg/L	5.4	1		Std Mtd 2340B	10/28/24	020

Sample Comments:

Sample Description: **EB 1 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76011 Sample Collection Date/Time: 10/15/2024 17:00  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	8.1	0.1	Degrees t		1		TEMP	10/15/24	REL
Field Conductivity	2.9	0	umhos		1		FCOND25	10/15/24	REL
Field pH	7.0	0.1	Units	0.1	1		FIELDPH	10/15/24	REL
Turbidity	1.3	0.1	NTU'S		1		EPA 180.1	10/15/24	REL
Total Filtered Alkalinity as CaCO3	Less Than	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Dissolved Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/28/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/28/24	020
Total Hardness as CaCO3	Less Than	1.0	mg/L	5.4	1		Std Mtd 2340B	10/28/24	020

Sample Comments:

Sample Description: **LS-100 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76012 Sample Collection Date/Time: 10/16/2024 16:36  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	11.18	0.05	feet		1		H2OD	10/16/24	REL

Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-100 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76012 Sample Collection Date/Time: 10/16/2024 16:36  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	11.6	0.1	Degrees C		1		TEMP	10/16/24	REL
Field Conductivity	149	0	umhos		1		FCOND25	10/16/24	REL
Field pH	5.52	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	3.6	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Dissolved Boron	23.6	17.3	ug/L	40.0	1		EPA 200.7	10/28/24	020
Dissolved Calcium	17800	114	ug/L	500	1	D9	EPA 200.7	10/28/24	020
Dissolved Magnesium	3090	182	ug/L	1000	1	D9	EPA 200.7	10/28/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/28/24	020
Dissolved Sodium	5330	350	ug/L	500	1		EPA 200.7	10/28/24	020
Dissolved Potassium	1500	325	ug/L	1000	1		EPA 200.7	10/28/24	020
Total Hardness as CaCO3	57.1	1.0	mg/L	5.4	1		Std Mtd 2340B	10/28/24	020
Dissolved Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Sulfate	16.2	0.44	mg/L	2.0	1	D9	EPA 300.0	11/11/24	020
Total Filtered Alkalinity as CaCO3	45.6	5.0	mg/l	10.0	1	D9	Std Mtd 2320 B	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/22/24	020
Bicarbonate Ion	45.2	5.0	mg/L	10.0	1		HCO3	10/22/24	020
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Total Calcium	17400	114	ug/L	500	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	55.8	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1	M0	EPA 300.0	11/7/24	020
Total Chloride	2.2	0.59	mg/L	2.0	1		EPA 300.0	11/7/24	020
Total Sulfate	15.4	0.44	mg/L	2.0	1	M0	EPA 300.0	11/7/24	020
Total Dissolved Solids	86.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Total Alkalinity as CaCO3	45.2	5.0	mg/L	10.0	1		SM 2320 B-1997	10/22/24	020

Sample Comments:

Sample Description: **LS-101 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76013 Sample Collection Date/Time: 10/16/2024 15:41  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	13.14	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	10.4	0.1	Degrees C		1		TEMP	10/16/24	REL
Field Conductivity	49	0	umhos		1		FCOND25	10/16/24	REL
Field pH	5.8	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	9.2	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/28/24	020
Dissolved Calcium	4530	114	ug/L	500	1		EPA 200.7	10/28/24	020
Dissolved Magnesium	1050	182	ug/L	1000	1		EPA 200.7	10/28/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/28/24	020
Dissolved Sodium	2920	350	ug/L	500	1		EPA 200.7	10/28/24	020

Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-101 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76013 Sample Collection Date/Time: 10/16/2024 15:41  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Dissolved Potassium	1360	325	ug/L	1000	1		EPA 200.7	10/28/24	020
Total Hardness as CaCO3	15.7	1.0	mg/L	5.4	1		Std Mtd 2340B	10/28/24	020
Dissolved Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	11/11/24	020
Dissolved Sulfate	2.1	0.44	mg/L	2.0	1		EPA 300.0	11/11/24	020
Total Filtered Alkalinity as CaCO3	24.2	5.0	mg/l	10.0	1	D9	Std Mtd 2320 B	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/22/24	020
Bicarbonate Ion	21.6	5.0	mg/L	10.0	1		HCO3	10/22/24	020
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Total Calcium	4560	114	ug/L	500	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	15.9	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/12/24	020
Total Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Sulfate	2.1	0.44	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Dissolved Solids	34.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Total Alkalinity as CaCO3	21.6	5.0	mg/L	10.0	1		SM 2320 B-1997	10/22/24	020

Sample Comments:

Sample Description: **LS-105 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76014 Sample Collection Date/Time: 10/16/2024 17:18  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	5.81	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	11.2	0.1	Degrees t		1		TEMP	10/16/24	REL
Field Conductivity	190	0	umhos		1		FCOND25	10/16/24	REL
Field pH	6.0	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	3.7	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Dissolved Boron	51.8	17.3	ug/L	40.0	1	D9	EPA 200.7	10/22/24	020
Dissolved Calcium	21900	114	ug/L	500	1	D9	EPA 200.7	10/22/24	020
Dissolved Magnesium	5130	182	ug/L	1000	1	D9	EPA 200.7	10/22/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/22/24	020
Dissolved Sodium	3880	350	ug/L	500	1		EPA 200.7	10/22/24	020
Dissolved Potassium	1360	325	ug/L	1000	1		EPA 200.7	10/22/24	020
Total Hardness as CaCO3	75.8	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020
Dissolved Chloride	0.79	0.59	mg/L	2.0	1	J, M0	EPA 300.0	11/12/24	020
Dissolved Sulfate	9.2	0.44	mg/L	2.0	1	D9, M0	EPA 300.0	11/12/24	020
Total Filtered Alkalinity as CaCO3	82.5	5.0	mg/l	10.0	1	D9	Std Mtd 2320 B	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/22/24	020
Bicarbonate Ion	77.7	5.0	mg/L	10.0	1		HCO3	10/22/24	020
Total Boron	51.4	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Total Calcium	20500	114	ug/L	500	1		EPA 200.7	10/23/24	020

Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-105 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76014 Sample Collection Date/Time: 10/16/2024 17:18  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Hardness as CaCO3	71.3	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/12/24	020
Total Chloride	0.85	0.59	mg/L	2.0	1	J	EPA 300.0	11/12/24	020
Total Sulfate	9.0	0.44	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Dissolved Solids	98.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Total Alkalinity as CaCO3	77.7	5.0	mg/L	10.0	1		SM 2320 B-1997	10/22/24	020

Sample Comments:

Sample Description: **LS-106 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76015 Sample Collection Date/Time: 10/16/2024 18:13  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	11.68	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	12.5	0.1	Degrees C		1		TEMP	10/16/24	REL
Field Conductivity	127	0	umhos		1		FCOND25	10/16/24	REL
Field pH	6.0	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	21.5	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Dissolved Calcium	16100	114	ug/L	500	1	D9	EPA 200.7	10/22/24	020
Dissolved Magnesium	5210	182	ug/L	1000	1	D9	EPA 200.7	10/22/24	020
Dissolved Sodium	4540	350	ug/L	500	1		EPA 200.7	10/22/24	020
Dissolved Potassium	1250	325	ug/L	1000	1		EPA 200.7	10/22/24	020
Dissolved Chloride	1.4	0.59	mg/L	2.0	1	J	EPA 300.0	11/12/24	020
Dissolved Sulfate	1.9	0.44	mg/L	2.0	1	J	EPA 300.0	11/12/24	020
Total Filtered Alkalinity as CaCO3	66.4	5.0	mg/l	10.0	1	D9	Std Mtd 2320 B	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/22/24	020
Bicarbonate Ion	65.2	5.0	mg/L	10.0	1		HCO3	10/22/24	020
Total Boron	29.3	17.3	ug/L	40.0	1	J	EPA 200.7	10/23/24	020
Total Calcium	14500	114	ug/L	500	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	57.3	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/12/24	020
Total Chloride	1.3	0.59	mg/L	2.0	1	J	EPA 300.0	11/12/24	020
Total Sulfate	1.8	0.44	mg/L	2.0	1	J	EPA 300.0	11/12/24	020
Total Dissolved Solids	80.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Total Alkalinity as CaCO3	65.2	5.0	mg/L	10.0	1		SM 2320 B-1997	10/22/24	020

To: Eric Kovatch  
 PSB Annex A231

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



Report Date: Wednesday, January 8, 2025

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

Sample Description: **LS-106 High Turbidity WDS #3 - Ash Landfill Sample**  
 Sample ID: AE76258 Sample Collection Date/Time: 10/16/2024 18:13  
 Sample Received: 01/03/2025 Sample Collector: JONAH OETTINGER

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Dissolved Boron	36.8	17.3	ug/L	40.0	1	J	EPA 200.7	10/22/24	020
Dissolved Calcium	16700	114	ug/L	500	1		EPA 200.7	10/22/24	020
Total Hardness as CaCO3	63.9	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020
Total Filtered Alkalinity as CaCO3	67.4	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Bicarbonate Ion	67.4	5.0	mg/L	10.0	1		HCO3	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/25/24	020
Total Dissolved Solids	68.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Dissolved Chloride	1.5	0.59	mg/L	2.0	1	J	EPA 300.0	11/13/24	020
Dissolved Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/13/24	020
Dissolved Sulfate	1.8	0.44	mg/L	2.0	1	J	EPA 300.0	11/13/24	020

Sample Comments:

Per field notes, this is a duplicate sample for LS-106 collected at the same time as the original sample (see AE76015)

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

Report Date: Wednesday, January 8, 2025

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

Sample Comments:

Sample Description: **LS-107 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76016 Sample Collection Date/Time: 10/16/2024 14:27  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Water Level	6.24	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	11.1	0.1	Degrees t		1		TEMP	10/16/24	REL
Field Conductivity	271	0	umhos		1		FCOND25	10/16/24	REL
Field pH	5.6	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	3.4	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Dissolved Calcium	33100	114	ug/L	500	1	D9	EPA 200.7	10/22/24	020
Dissolved Magnesium	7330	182	ug/L	1000	1	D9	EPA 200.7	10/22/24	020
Dissolved Sodium	9410	350	ug/L	500	1		EPA 200.7	10/22/24	020
Dissolved Potassium	1940	325	ug/L	1000	1		EPA 200.7	10/22/24	020
Dissolved Chloride	23.8	0.59	mg/L	2.0	1		EPA 300.0	11/12/24	020
Dissolved Sulfate	52.8	0.44	mg/L	2.0	1	D9	EPA 300.0	11/12/24	020
Total Filtered Alkalinity as CaCO3	40.1	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/22/24	020
Bicarbonate Ion	40.1	5.0	mg/L	10.0	1		HCO3	10/22/24	020
Total Boron	33.2	17.3	ug/L	40.0	1	J	EPA 200.7	10/23/24	020
Total Calcium	29900	114	ug/L	500	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	102	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/12/24	020
Total Chloride	23.8	0.59	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Sulfate	51.4	0.44	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Dissolved Solids	184	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Total Alkalinity as CaCO3	40.1	5.0	mg/L	10.0	1		SM 2320 B-1997	10/22/24	020

Sample Comments:

Sample Description: **QAQC 3 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76017 Sample Collection Date/Time: 10/16/2024 00:00  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Dissolved Boron	29.7	17.3	ug/L	40.0	1	J	EPA 200.7	10/22/24	020
Dissolved Calcium	19100	114	ug/L	500	1	D9	EPA 200.7	10/22/24	020
Dissolved Magnesium	3260	182	ug/L	1000	1	D9	EPA 200.7	10/22/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/22/24	020
Dissolved Sodium	5800	350	ug/L	500	1		EPA 200.7	10/22/24	020

Report Date: Wednesday, January 8, 2025

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

Sample Description: **QAQC 3 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76017 Sample Collection Date/Time: 10/16/2024 00:00  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Dissolved Potassium	1550	325	ug/L	1000	1		EPA 200.7	10/22/24	020
Total Hardness as CaCO3	61.2	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020
Dissolved Chloride	2.0	0.59	mg/L	2.0	1		EPA 300.0	11/13/24	020
Dissolved Sulfate	15.3	0.44	mg/L	2.0	1		EPA 300.0	11/13/24	020
Total Filtered Alkalinity as CaCO3	45.6	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/22/24	020
Bicarbonate Ion	46.2	5.0	mg/L	10.0	1		HCO3	10/22/24	020
Total Boron	17.3	17.3	ug/L	40.0	1	J	EPA 200.7	10/23/24	020
Total Calcium	17300	114	ug/L	500	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	55.7	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/12/24	020
Total Chloride	2.1	0.59	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Sulfate	15.7	0.44	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Dissolved Solids	76.0	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Total Alkalinity as CaCO3	46.2	5.0	mg/L	10.0	1		SM 2320 B-1997	10/22/24	020

Sample Comments:

Sample Description: **EB 2 Weston Disposal Site #3 - Ash Landfill Sample**  
 Sample ID: AE76018 Sample Collection Date/Time: 10/16/2024 18:40  
 Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Field Temperature	10.2	0.1	Degrees t		1		TEMP	10/16/24	REL
Field Conductivity	3.6	0	umhos		1		FCOND25	10/16/24	REL
Field pH	6.9	0.1	Units	0.1	1		FIELDPH	10/16/24	REL
Turbidity	1.5	0.1	NTU'S		1		EPA 180.1	10/16/24	REL
Dissolved Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/22/24	020
Dissolved Calcium	Less Than	114	ug/L	500	1		EPA 200.7	10/22/24	020
Dissolved Magnesium	Less Than	182	ug/L	1000	1		EPA 200.7	10/22/24	020
Dissolved Molybdenum	Less Than	2.4	ug/L	10.0	1		EPA 200.7	10/22/24	020
Dissolved Sodium	Less Than	350	ug/L	500	1		EPA 200.7	10/22/24	020
Dissolved Potassium	Less Than	325	ug/L	1000	1		EPA 200.7	10/22/24	020
Total Hardness as CaCO3	Less Than	1.0	mg/L	5.4	1		Std Mtd 2340B	10/22/24	020
Dissolved Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	11/13/24	020
Dissolved Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	11/13/24	020
Total Filtered Alkalinity as CaCO3	Less Than	5.0	mg/l	10.0	1		Std Mtd 2320 B	10/25/24	020
Carbonate Ion	Less Than	5.0	mg/L	10.0	1		CO3	10/22/24	020
Bicarbonate Ion	Less Than	5.0	mg/L	10.0	1		HCO3	10/22/24	020
Total Boron	Less Than	17.3	ug/L	40.0	1		EPA 200.7	10/23/24	020
Total Calcium	Less Than	114	ug/L	500	1		EPA 200.7	10/23/24	020
Total Hardness as CaCO3	Less Than	1.0	mg/L	5.4	1		Std Mtd 2340B	10/23/24	020



Report Date: Wednesday, January 8, 2025

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

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Sample Description: **EB 2 Weston Disposal Site #3 - Ash Landfill Sample**  
Sample ID: AE76018 Sample Collection Date/Time: 10/16/2024 18:40  
Sample Received: 12/17/2024 Sample Collector: RE LEE

<u>Parameter</u>	<u>Result</u>	<u>LOD</u>	<u>Units</u>	<u>LOQ</u>	<u>DIL</u>	<u>Result Flag</u>	<u>Analysis Method</u>	<u>Analysis Date</u>	<u>Analyst</u>
Total Fluoride	Less Than	0.095	mg/L	0.32	1		EPA 300.0	11/12/24	020
Total Chloride	Less Than	0.59	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Sulfate	Less Than	0.44	mg/L	2.0	1		EPA 300.0	11/12/24	020
Total Dissolved Solids	Less Than	8.7	mg/L	20.0	1		Std Mtd 2540 C	10/23/24	020
Total Alkalinity as CaCO3	Less Than	5.0	mg/L	10.0	1		SM 2320 B-1997	10/22/24	020

Sample Comments:

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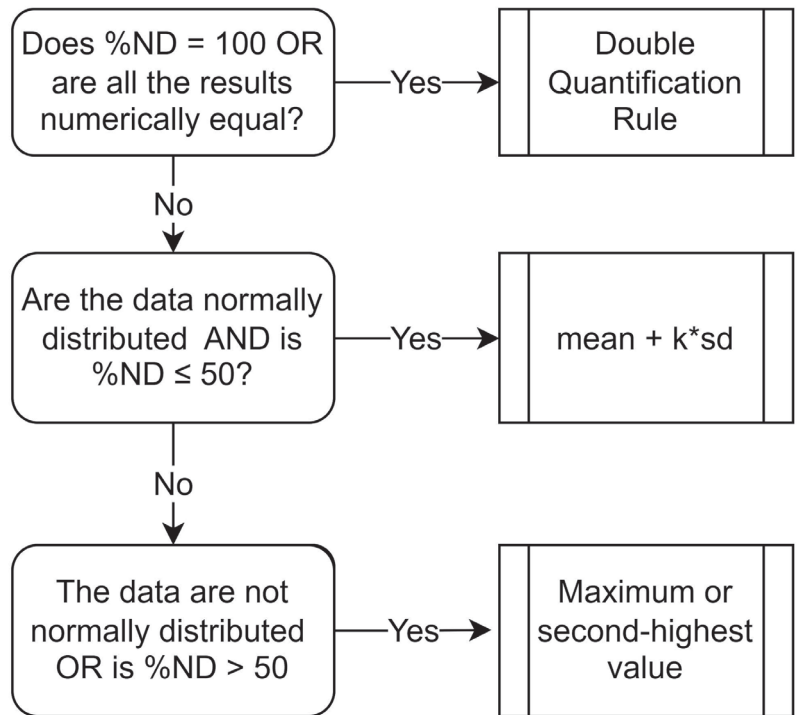
LOD and LOQ are adjusted for dilution factor.

'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**

Notes
%ND = Percent non-detected samples
sd = standard deviation
k = kappa for site-wide false positive rate
<u>Alpha Levels</u>
Confidence Limit = 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 ≥ 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.