Wisconsin Public Service Corporation
Environmental Department
333 W. Everett St.
Milwaukee, WI 53203

January 31, 2025

Mr. Tony Peterson
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
Eau Claire, WI 54701-6127

via electronic submittal

RE: WISCONSIN PUBLIC SERVICE WESTON DISPOSAL SITE #3 ASH LANDFILL LICENSE #2879 - FID# 737062150
NR 506.20(3) 2024 ANNUAL CCR REPORT

Dear Mr. Peterson:

This report is submitted as required per NR 506.20(3) and will be placed in the facility operating record. The report consists of the following attachments:

- 2024 fugitive dust control report [per NR 506.20(3)(a)]
- 2024 inspection report [per NR 506.20(3)(b)]
- 2024 groundwater monitoring and corrective action report [per NR 506.20(3)(c)]
- 2024 leachate pipe cleaning and inspection report [per NR 506.20(3)(d)]

Copies of the annual fugitive dust and inspection reports (listed above) are already available online at https://www.we-energies.com/environment/coal-combustion (the company website). A copy of the annual groundwater monitoring and corrective action report will be placed on the company website in early March 2025.

Please contact me at 414.221-2457 or eric.kovatch@wecenergygroup.com with any questions.

Sincerely,

Eric P. Kovatch
Facility Manager – Senior Environmental Consultant

cc: Matt Bachman (WDNR)

Attachments: Appendices A through D (reports listed above)

[File:\2025-01-31 WDS3 NR506 Annual Report for WDNR]

APPENDIX A

2024 FUGITIVE DUST CONTROL REPORT
[PER NR 506.20(3)(A)]

2024 ANNUAL FUGITIVE DUST CONTROL REPORT **December 19, 2024**
WESTON DISPOSAL SITE #3

1.0 INTRODUCTION

This annual fugitive dust control report has been prepared to meet the requirements of 40 CFR 257.80(c).

Weston Disposal Site #3 currently consists of two cells. Cell 2 began active operations in Quarter 2 of 2016 and Cell 1 began active operations Quarter 3 of 2021. A final cover of approximately 2-1/2 acres was installed over a portion of Cell 2 in 2016.

2.0 FUGITIVE DUST CONTROL MEASURES

Fugitive dust control measures are described in Section 2.0 of the Fugitive Dust Control Plan, Weston Disposal Site #3, dated October 13, 2015. Effectiveness of the Fugitive Dust Control Plan is evaluated during the weekly and annual inspections. A review of the weekly and annual inspections contained in the operating record was completed during the preparation of this annual fugitive dust control report and confirms that the fugitive dust control measures implemented at Weston Disposal Site #3 are effective.

3.0 CITIZEN COMPLAINTS

The procedure for logging citizen complaints is described in Section 3.0 of the Fugitive Dust Control Plan, Weston Disposal Site #3, dated October 13, 2015. There were no citizen complaints associated with Weston Disposal Site #3 that were logged during the period covered by this annual report.

APPENDIX B

2024 INSPECTION REPORT
[PER NR 506.20(3)(B)]

December 19, 2024
Project No. 2103691

Mr. Eric Kovatch
WEC Energy Group – Business Services
333 West Everett Street, A231
Milwaukee, WI 53203

Re: 2024 Landfill Inspection Report
Weston Disposal Site No. 3
Wisconsin Public Service Corporation
Town of Knowlton, Marathon County, Wisconsin

Dear Mr. Kovatch:

GEI Consultants, Inc. (GEI) is pleased to provide this landfill inspection report for the Wisconsin Public Service Corporation (WPSC) Weston Disposal Site No. 3 (WDS3). The inspection was completed to comply with *40 CFR 257 Subpart D – Standards for the Disposal of Coal Combustion Residuals (CCR) in Landfills and Surface Impoundments* and specifically with *§ 257.84(b) Annual inspections by a qualified professional engineer.*

§ 257.84 Inspection Requirements for CCR Landfills

(b) *Annual inspections by a qualified professional engineer.*

(1) Existing and new CCR landfills and any lateral expansion of a CCR landfill must be inspected on a periodic basis by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the CCR unit is consistent with recognized and accepted good engineering standards. The inspection must, at a minimum, include:

(i) A review of available information regarding the status and condition of the CCR unit, including, but not limited to, files available in the operating record (e.g., the results of inspections by a qualified person and results of previous annual inspections); and

(ii) A visual inspection of the CCR unit to identify signs of distress or malfunction of the CCR unit.

(2) *Inspection report.* The qualified professional engineer must prepare a report following each inspection that addresses the following:

(i) Any changes in geometry of the structure since the previous annual inspection;

(ii) The approximate volume of CCR contained in the unit at the time of the inspection;

(iii) Any appearances of an actual or potential structural weakness of the CCR unit, in addition to any existing conditions that are disrupting or have the potential to disrupt the operation and safety of the CCR unit; and

(iv) Any other change(s) which may have affected the stability or operation of the CCR unit since the previous annual inspection.

Background

The landfill, located in the E 1/2 of the NW 1/4 and W 1/2 of the NE 1/4, Section 23, Township 26 North, Range 7 East, Town of Knowlton, Marathon County, Wisconsin, is permitted by the Wisconsin Department of Natural Resources (WDNR) under License No. 3067. The Site Location Figure, attached in Appendix A, shows the location of the landfill relative to the Weston Power Plant. The landfill was permitted by the WDNR on December 11, 2014, with the issuance of a Conditional Plan of Operation Approval. The facility is licensed and approved as a 57.6-acre, 4,075,500 cubic yard (cy) landfill. Cells 1 and 2 have a constructed area of 15.1 acres and an operational capacity of 667,900 cy. Both cells were constructed in 2015 in addition to the installation of a leachate force main, storage tank, and load-out system. The construction of Cells 1 and 2 was approved by the WDNR on April 22, 2016. WPSC placed Cell 2 into service on June 27, 2016, and Cell 1 into service on August 16, 2021. WPSC has filled the cells episodically since being placed into service and has constructed permanent final cover over approximately 3.5 acres of the Cell 2 exterior slopes after reaching final waste grades.

GEI was retained to perform an annual inspection of the landfill in compliance with *§ 257.84(b) Annual inspections by a qualified professional engineer*. The inspection was performed on September 10, 2024. This cover letter, Appendix A - Site Location Figure, Appendix B - Annual Inspection Form, and Appendix C – Landfill Inspection Photo Log, constitute the entirety of this report.

Site Inspection

The landfill site inspection was performed by John M. Trast, P.E, D.GE on September 10, 2024. The inspection included observation of Cells 1 and 2, observation and inspection of the Cell 2 partial final cover and perimeter slopes, and storm water management features for the site. Photographs taken during the site inspection are attached to this report in Appendix C. The following are the observed conditions as of the date of the annual inspection:

(i) Cell 1 was placed into service on August 26, 2021, with the placement of the frost protection layer. No CCR was disposed in Cell 1 in 2024. As of December 19, 2024, approximately 122,750 cy of CCR have been disposed of in Cell 1. CCR placement consists of the 4-foot frost protection layer on the floor of the cell and the north and east perimeter slopes.

(ii) Cell 2 was placed into service on June 27, 2016. As of December 19, 2024, approximately 389,000 cy of CCR have been disposed of in Cell 2. CCR placement consists of the 4-foot frost protection layer on the floor of the cell and CCR placed to final waste grades on the east slope. A permanent final cover has been constructed over approximately 3.5 acres of the perimeter slopes of Cell 2 in 2016 and 2020; the remainder of the cell has CCR placed in accordance with the waste filling and storm water management plans.

(iii) The perimeter slopes of Cells 1 and 2, and the final cover slopes of Cell 2 appear to be in excellent condition with no signs of instability, structural weakness, significant erosion, woody vegetation, or animal burrows. The fugitive dust control plan is effective as there was no evidence of fugitive dust around the perimeter of the landfill and no observed dust from site operations.

Conclusion

On September 10, 2024, a GEI licensed professional engineer completed an annual inspection of the WPSC Weston Disposal Site No. 3 in compliance with *§ 257.84(b) Annual inspections by a qualified professional engineer*. Cell 1 and Cell 2 of the landfill are operational, but did not receive any CCR during 2024. The perimeter slopes of Cell 2 appear to be in good condition with no significant erosion, no woody vegetation, no animal burrows, and no areas of instability or structural weakness. At the time of the inspection, the permanent final cover constructed was in excellent condition. The vegetation was well established with no erosion, no woody vegetation, no animal burrows, and no areas of instability or structural weakness.

The inspection was completed by John M. Trast, P.E., D.GE.

"I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of Chapter A-E 4, Wisconsin Administrative Code; that this document has been prepared in accordance with the Rules of Professional Conduct in Chapter A-E 8, Wisconsin Administrative Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chapters NR 500 to 538, Wisconsin Administrative Code and 40 CFR 257."

If you have any questions regarding this report, please contact John Trast at 920.455.8299.

Sincerely,

GEI Consultants, Inc.

Andrew J. Schwoerer, P.G.
Project Professional

John M. Trast, P.E., D.GE
Vice President

AJS/JMT:amp
B:\Working\WEC ENERGY GROUP\2103691 CCR Landfills Engineering Assistance\05_In_Progress\WDS3\2024 Inspection\01_R2103691_WDS3 Landfill Inspection_2024.docx

Appendices

Appendix A	Site Location Figure
Appendix B	Annual Inspection Form
Appendix C	Landfill Inspection Photo Log

Appendix A Site Location Figure

WISCONSIN PUBLIC SERVICE
TOWN OF KNOWLTON, WISCONSIN

GEI Consultants

WESTON DISPOSAL SITE NO. 3
SITE LOCATION FIGURE

Project 2103691 | December 19, 2024 | Fig. 1

J:\Landfills\WPS_Legner\Dust Control\dwg\fig1

Appendix B Annual Inspection Form

WDS3 ASH LANDFILL CCR COMPLIANCE - ANNUAL INSPECTION

INSPECTOR: John M. Trast, P.E., D.GE
INSPECTION DATE/TIME: 9/10/2024, 12:00 P.M.

WEATHER:

Temperature:	70° F
Conditions:	Sunny
Wind:	Moderate
Wind Direction:	W
Precipitation:	None

LEACHATE COLLECTION SYSTEM:

Load-out Facility:

High level alarms:	Yes
Low level alarms:	No
Leak alarms	No
Tank Level :	6.0 ft
Tank Volume:	22350 gallons
Pump:	Available
Pad Condition:	Good

Sump:

Cell 1 Pump #1	Available	28.6 in	Primary LCS Sump
Cell 1 Pump #2	Available	23.4 in	Primary LCS Sump
Control Panel:	Available		
Cell 2 Pump #1	Available	24.0 in	Primary LCS Sump
Cell 2 Pump #2	Available	22.3 in	Primary LCS Sump
Control Panel:	Available		

Comments: Leachate volume in the tank is being managed by certified operators to generally keep the volume less than 30,000 gallons (operating capacity is 104,800 gallons). Leachate levels in the sumps are being maintained in compliance with the operating license requirements (no alarms) of less than 1-foot of head on the liner. Tank volume was higher at the time of inspection due to a large rainfall the previous week.

STABILITY/EROSION OF FINAL COVERS & WASTE SLOPES:

Final Covers: ☑
Waste Slopes: ☑
Comments : The Cell 2 final cover slopes appear stable with no observed instability, no significant erosion, no woody vegetation, no animal burrows, or concerns regarding the final cover slopes. Everything appeared to be in good condition with no observed instability or significant erosion.

Note: Check mark indicates slope appears stable and no significant erosion.

LANDFILL OPERATIONS:

Fugitive Dust Control:

Tracking Pads :	☑
Cattle Guards :	☑
Access Road Clean:	☑
Landfill Surfaces Vegetated:	☑
Airbourne Dust Visible:	No
Sign of Recent Dust Deposition:	No

Stormwater Management

Exterior Ditches:	☑
Interior Ditches:	☑
Catch Basin:	☑
Culverts:	☑

Comments: Cell 2 partial closures occurred in 2016 on the south and southeast slopes and 2020 on the east slope. The remaining uncovered east slope over Cell 2 will be covered in the future. In 2021, WEC opened Cell 1 of the landfill and placed the 4-foot-thick frost protection layer. Leachate from Cells 1 and 2 is hauled from the on-site leachate collection tank to the Weston Power Plant for disposal.

Note: Check mark indicates that the features are acceptable.

Appendix C Landfill Inspection Photo Log

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 1 – Active filling area on Cell 1 and Cell 2, looking north.

Photo No. 2 – Cell 2/3 intercell berm and leachate collection ditch along west side of Cell 2.

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 3 – Cell 2 west slope.

Photo No. 4 – Cell 2 south slope and stormwater diversion berm.

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 5 – Stormwater Basin 2 east of Cell 2.

Photo No. 6 – Stormwater Basin 2 and Cell 2 final cover.

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 7 – Active filling area in Cell 1, looking west. Active area watered for dust control.

Photo No. 8 – Looking south on the Cell 1 active filling area and the east slope prepared for final cover.

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 9 – Looking west at the Cell 1 north perimeter slope and leachate collection ditch.

Photo No. 10 – Cell 1 north and east perimeter slopes, looking northeast.

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 11 – Looking east at the Cell 2 east stormwater control ditch.

Photo No. 12 – Looking north at the Cell 1 and Cell 2 east perimeter slope and leachate collection ditch.

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 13 – Cell 2 gradient control outlet pipe.

Photo No. 14 – Cell 2 gradient control outlet pipe.

Weston Disposal Site No. 3 Landfill Inspection – Photo Log

Date: 9/10/2024
Project No.: 2103691
Client: Wisconsin Public Service Corporation

Photo No. 15 – Cell 1 gradient control outlet pipe.

Photo No. 16 – Cell 1 gradient control outlet pipe.

APPENDIX C

2024 GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT [PER NR 506.20(3)(C)]

Prepared for
Wisconsin Public Service Corporation

Date
January 31, 2025

Project No.
1940102327

2024 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WESTON DISPOSAL SITE NO. 3 LANDFILL

RAMBOLL Bright ideas. Sustainable change.

2024 CCR 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 CCR 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**

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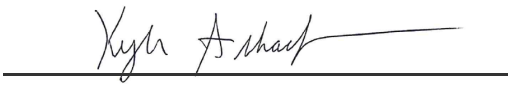
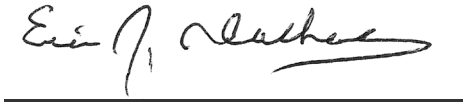


Kyle J. Schaefer
Senior Project Scientist



Eric J. Tlachac, PE
Senior Project Manager

Nathaniel R. Keller, PG
Senior Technical Manager

CONTENTS

TABLES (IN TEXT)

TABLES (ATTACHED)

FIGURES (ATTACHED)

APPENDICES

ACRONYMS AND ABBREVIATIONS

§	Section
40 C.F.R.	Title 40 of the Code of Federal Regulations
ACL	Alternative Concentration Limit
Ca	calcium
CCR	coal combustion residuals
Cl	chloride
ES	Enforcement Standard
ESAP	Environmental Sampling & Analysis Plan
mg/L	milligrams per liter
NA	not applicable
No.	number
NRT/OBG	Natural Resource Technology, an OBG Company
PAL	Preventive Action Limit
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SO_4	Sulfate
TBD	to be determined
TDS	total dissolved solids
WDNR	Wisconsin Department of Natural Resources
WDS3	Weston Disposal Site No. 3 Landfill
Wis. Adm. Code	Wisconsin Administrative Code

EXECUTIVE SUMMARY

On August 1, 2022, the Wisconsin Department of Natural Resources (WDNR) updated Wisconsin Administrative Code (Wis. Adm. Code) NR 500 to include additional requirements for new and existing Coal Combustion Residual (CCR) Landfills in the State of Wisconsin. This report has been prepared to provide the information required by Ch. NR 507.15(3)(m) for the Weston Disposal Site Number (No.) 3 (WDS3) Landfill (License #2879) located in the Town of Knowlton, Wisconsin.

In accordance with the August 1, 2022 revisions to Ch. NR 500, a Plan of Operation Modification (Plan Mod), including an Environmental Sampling and Analysis Plan (ESAP) Addendum, was prepared as required in NR 514.045 for the above referenced CCR landfill and submitted to WDNR by February 1, 2023 for review and approval.

- WDNR determined in a letter dated April 26, 2023 that the Plan Mod was incomplete and requested additional information. A revised Plan Mod was prepared and submitted on December 20, 2023.
- WDNR determined in a letter dated March 18, 2024 that the revised Plan Mod remained incomplete and requested additional information. Following this request, a second revision to the Plan Mod was prepared and submitted on August 23, 2024.
- On November 21, 2024, a notification letter from WDNR provided concurrence on completeness of the Plan Mod. A virtual meeting was held on January 7, 2025, allowing public comment on the Plan Modification and the comment period remained open until January 27, 2025.

Beginning in 2016, sampling at the WDS3 Landfill was completed in accordance with the Detection Monitoring Program requirements specified in Title 40 of the Code of Federal Regulations (40 C.F.R.) Section (§) 257.94. Following the updates to the Wis. Adm. Code in 2022, groundwater sampling was completed in accordance with Ch. NR 507.15(3)(L) (Detection Monitoring) during 2023 and 2024.

Comparisons of the concentrations of detected parameters to NR 140 standards (Preventive Action Limits [PALs] and Enforcement Standards [ESs]) were not completed because Alternative Concentration Limits (ACLs) for these parameters and proposed monitoring locations are pending WDNR decision on the Plan Mod.

No changes were made to the monitoring system in 2024 (no wells were installed or decommissioned).

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 Ch. NR 507.15(3)(m) at the WDS3 Landfill (License #2879) located in the Town of Knowlton, Wisconsin.

In accordance with Ch. NR 507.15(3)(m), the owner or operator of a CCR landfill 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 landfill (**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 landfill and all upgradient and downgradient monitoring wells, including the well identification numbers, that are part of the groundwater monitoring for the CCR landfill (**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 Ch. NR 507.15(3)(L) (**Tables 1 and 2**), a summary including the number of groundwater samples that were collected for analysis for each upgradient and downgradient well, the dates the samples were collected, and whether the sample was required by the Detection Monitoring or Assessment Monitoring (**Section 3 and Table A**).
4. A narrative discussion of any transition between monitoring including the date and circumstances for transitioning from Detection Monitoring to Assessment Monitoring (**Section 2**) in addition to identifying any constituents detected above Ch. NR 140 standards (**Table A**).
5. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action for the CCR landfill (**Executive Summary**). At a minimum, the summary shall include all of the following:
    i. At the start of the current annual reporting period, whether the CCR landfill was operating under Detection Monitoring or Assessment Monitoring. (The WDS3 Landfill began 2024 in Detection Monitoring.)
    ii. At the end of the current annual reporting period, whether the CCR landfill was operating under Detection Monitoring or Assessment Monitoring. (The WDS3 Landfill ended 2024 in Detection Monitoring.)
    iii. If it was determined by the owner or operator that there was a groundwater quality exceedance under Ch. NR 140 for one or more constituents listed under Ch. NR 507 Appendix I for CCR wells, a listing of those constituents, the names of the monitoring wells associated with the exceedances, and the date when the Assessment Monitoring was initiated for the CCR landfill. Comparisons of the concentrations of detected parameters to NR 140 standards were not completed because ACLs for these parameters and proposed monitoring locations are pending a WDNR decision on the Plan Mod.

iv. If corrective action measures were required, the date when the assessment of corrective measures was initiated for the CCR landfill, the date when the public informational hearing under Ch. NR 508.06(3)(e) was held for the discussion of the results of the remedial action options report, and the date when the assessment of corrective measures was completed. (Corrective action measures were not required for the WDS3 Landfill in 2024).

v. If a remedy was required under Ch. NR 508 during the annual reporting period, the date of remedy selection, and whether remedial activities were initiated or are ongoing during the annual reporting period. (A corrective action remedy was not required for the WSD3 Landfill in 2024).

This report provides the required information for the WDS3 Landfill for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

As required in Ch. NR 514.045, a Plan Mod, including an ESAP Addendum, was prepared for the WDS3 Landfill to fulfill additional requirements related to the August 1, 2022 revisions to Ch. NR 500 and submitted to WDNR by February 1, 2023 for review and approval.

- WDNR determined in a letter dated April 26, 2023 and March 18, 2024 that the Plan Mod and a subsequent revision was incomplete and requested additional information.
- A second revision to the Plan Mod. was prepared and submitted on August 23, 2024.
- On November 21, 2024, a notification letter from WDNR provided concurrence on completeness of the Plan Mod. A virtual meeting was held on January 7, 2025, allowing public comment on the Plan Mod. and the public comment period remained open until January 27, 2025.

Comparisons of the concentrations of detected parameters to Ch. NR 140 standards (Preventive Action Limits [PALs] and Enforcement Standards [ESs]) were not completed because Alternative Concentration Limits (ACLs) for these parameters and proposed monitoring locations are pending WDNR's decision. Accordingly, no changes have occurred to the monitoring program status in calendar year 2024.

Beginning in 2016 sampling at the WDS3 Landfill was completed in accordance with the Detection Monitoring Program requirements specified in Title 40 of the Code of Federal Regulations (40 C.F.R.) Section (§) 257.94. Following updates to the Wis. Adm. Code in 2022, groundwater sampling has been completed in accordance with Ch. NR 507.15(3)(L) (Detection Monitoring).

In 2025, groundwater sampling will continue to be completed in accordance with Ch. NR 507.15(3)(L).

3. KEY ACTIONS COMPLETED IN 2024

The Detection Monitoring Program is summarized in **Table A**, below. 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 Revision1, Weston Disposal Site No. 3 Landfill* (Ramboll, 2023) submitted as Appendix C of the ESAP Addendum. Potentiometric surface maps for both monitoring events in 2024 are included in **Figure 2 and Figure 3**. Water level data, collected from background and downgradient monitoring wells, are included in **Table 1**. All monitoring data and analytical results obtained under Ch. NR 507.15(3)(L) in 2024 are presented in **Table 2**. Laboratory reports for all 2024 monitoring events are included in **Appendix A**. Results for analysis of additional samples required by Ch. NR 507 are included in some reports because they were collected during the same sampling events, but are not summarized in this report.

In 2024, groundwater sampling was completed in accordance with Ch. NR 507.15(3)(L).

Table A. 2024 Detection Monitoring Program Summary

Sampling Date	Purpose	Analytical Data Receipt Date	Parameters Analyzed
April 26, 2024	Detection Monitoring	May 24, 2024	Ch. NR 507 App A Tables 1A
October 16, 2024	Detection Monitoring	January 8, 2025	Ch. NR 507 App A Tables 1A

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:

- Detection Monitoring in accordance with Ch. NR 507.15(3)(L) with semi-annual sampling scheduled for the second and fourth quarters of 2025. Expanded leachate sampling also to occur as listed in Ch. NR 507 Appendix I, Tables 4 and 5 as applicable.
- Complete evaluation of analytical data from the compliance wells against Ch. NR 140 standards including the PALs, ESs, and/or ACLs, following WDNR's decision on the Plan Mod.
- A notification will be provided to WDNR when results indicate concentrations have attained or exceeded groundwater standards in accordance with Ch. NR 507.30. The notification shall specify the parameters that have attained or exceeded standards, the wells at which the standards (PAL, ES, or ACL) were attained or exceeded, and provide a preliminary analysis of the cause and significance of each concentration in accordance with Chs. NR 140.24(1)(a) or 140.26(1)(a). The notification shall also include the intent to either begin Assessment Monitoring or determine whether a false exceedance occurred.
- As described in Chs. NR 508.06(1)(c) and NR 507.28(3), if a groundwater standard exceedance is detected in a CCR well, a demonstration may be completed to indicating a source other than WDS3 Landfill is the cause or the exceedance is due to an error.
  - If WDNR concurs with the false exceedance demonstration within 30 days of receipt, Detection Monitoring will continue.
  - If WDNR does not concur within 30 days, an Assessment Monitoring Program in accordance with Ch. NR 508.06(2) will be initiated following discussion with WDNR.

6. REFERENCES

Ramboll, 2023. *Sampling and Analysis Plan Revision 1, Weston Disposal Site No. 3 Landfill, Town of Knowlton, Wisconsin.* December 19, 2023.

TABLES

TABLE 1
GROUNDWATER ELEVATIONS
2024 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
WESTON DISPOSAL SITE NO. 3 LANDFILL
TOWN OF KNOWLTON, WI

Well ID	Well Type	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Date	Groundwater Elevation (ft NAVD88)
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 - CCR Parameters

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

Lab Methods:

Well Id	Date Sampled	Lab Id	Alkalinity, unfiltered, mg/L	B, tot, mg/L	Ca, tot, mg/L	Cl, tot, mg/L	Fluoride, total, mg/L	Hardness, tot, mg/L
LS-100	4/26/2024	AE73009	24.3	<0.0173	9.2	0.83	<0.095	29.30
	10/16/2024	40286084018	45.2	<0.0173	17.4	2.20	<0.095	55.80
LS-101	4/26/2024	AE73011	8.2	<0.0173	2.0	<0.59	<0.095	7.44
	10/16/2024	40286084019	21.6	<0.0173	4.6	<0.59	<0.095	15.90
LS-105	4/26/2024	AE73018	69.8	0.0294	21.3	1.70	<0.095	75.10
	10/16/2024	40286084020	77.7	0.0514	20.5	0.85	<0.095	71.30
LS-106	4/26/2024	AE73020	13.7	0.1280	4.8	<3.00	<0.480	29.50
	10/16/2024	40286084021	65.2	0.0293	14.5	1.30	<0.095	57.30
LS-107	4/26/2024	AE73021	37.0	0.0328	31.0	20.30	<0.095	106.00
	10/16/2024	40286084022	40.1	0.0332	29.9	23.80	<0.095	102.00

Weston Disposal Site #3
Table 2. Analytical Results - CCR Parameters

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

Lab Methods:

Well Id	Date Sampled	Lab Id	pH (field), SU	SO4, tot, mg/L	TDS, mg/L
LS-100	4/26/2024	AE73009	6.0	9.9	68
	10/16/2024	40286084018	5.5	15.4	86
LS-101	4/26/2024	AE73011	6.1	1.7	48
	10/16/2024	40286084019	5.8	2.1	34
LS-105	4/26/2024	AE73018	6.0	17.3	134
	10/16/2024	40286084020	6.0	9.0	98
LS-106	4/26/2024	AE73020	6.2	<2.2	36
	10/16/2024	40286084021	6.0	1.8	80
		40286084025			68
LS-107	4/26/2024	AE73021	5.8	54.7	180
	10/16/2024	40286084022	5.6	51.4	184

FIGURES

Y:\GIS\Projects\16\11660\Weston_Power_Plant\MXD\2023Annual_GWM_CAR\Figure 1_Monitoring Well Location Map.mxd

PROJECT: 71202 | DATED: 1/29/2024 | DESIGNER: GALARNMC

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

0 125 250 Feet

NOTES
1. IMAGERY DATE = 10/10/2022

MONITORING WELL LOCATION MAP

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

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

0 125 250
Feet

POTENTIOMETRIC SURFACE MAP
APRIL 25, 2024

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

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/27/2025 | DESIGNER: PWYSIATKO
Y:\GIS\Projects\161660\Weston_Power_Plant\MXD\2024Annual_GWM_CAR\2024Annual_GWM_CAR_Weston_Disposal_Site_3\2024Annual_GWM_CAR_Weston_Disposal_Site_3.aprx

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

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

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

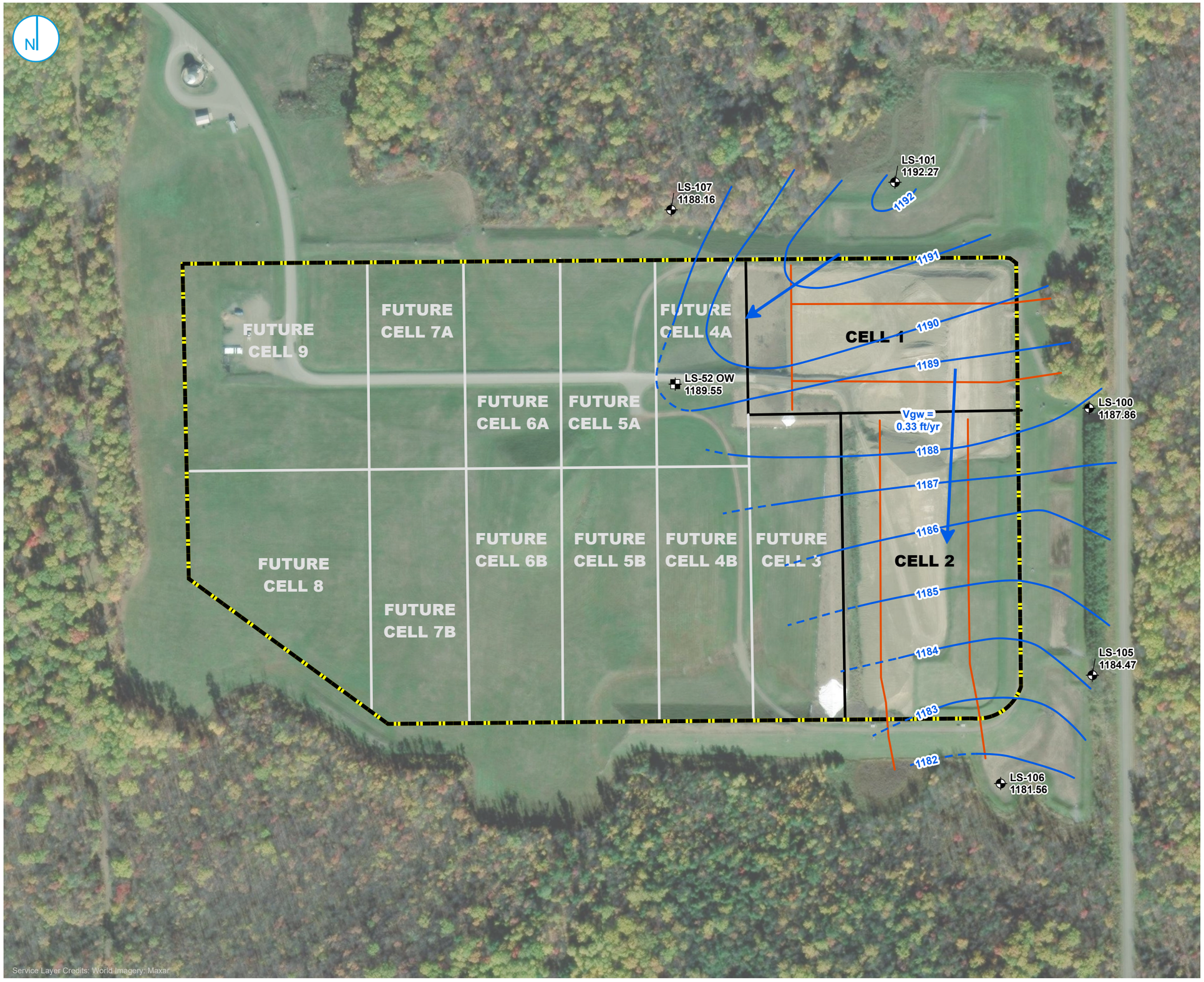
UPPERMOST AQUIFER

Contours	**1193**	**to**	**1191**	**South Side of Cell 1 / North Side of Cell 2**	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	%			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. Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
3. IMAGERY DATE = 10/10/2022

0 125 250
Feet

POTENTIOMETRIC SURFACE MAP OCTOBER 15, 2024

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

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 1/27/2025 | DESIGNER: PWYSIATKO
Y:\GIS\Projects\16\1660\Weston_Power_Plant\MXD\2024Annual_GWM_CAR\2024Annual_GWM_CAR_Weston_Disposal_Site_3\2024Annual_GWM_CAR_Weston_Disposal_Site_3.aprx

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

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

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

UPPERMOST AQUIFER

Contours	**1185**	**to**	**1184**	**South Side of Cell 1 / North Side of Cell 2**	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]

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	9.7	0.1	Degrees (		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		EPA 200.7	5/1/24	020
Total Molybdenum	109	2.4	ug/L	10.0	1		EPA 200.7	5/1/24	020
Total Selenium	12.6	12.2	ug/L	40.0	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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	12.19	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	7.4	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	1.27	0.05	feet		1		H2OD	4/25/24	J OETTINGER
Field Temperature	8.6	0.1	Degrees (		1		TEMP	4/25/24	J OETTINGER
Field Conductivity	203	0	umhos		1		FCOND25	4/25/24	J OETTINGER
Field pH	8.0	0.1	Units	0.1	1		FIELDPH	4/25/24	J OETTINGER
Turbidity	29.6	0.1	NTU'S		1		EPA 180.1	4/25/24	J OETTINGER
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

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	3.73	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	5.7	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	5.5	0.1	Degrees (		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	42	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	73.4	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	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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	0.69	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	7.2	0.1	Degrees (		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	62	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.6	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	157.8	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	8.26	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	5.1	0.1	Degrees C		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	77	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.0	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	3.6	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	5/2/24	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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	9.46	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	8.4	0.1	Degrees C		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	264	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.7	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	35.8	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	9.62	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	5.5	0.1	Degrees C		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	9.51	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	8.8	0.1	Degrees C		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	2.63	0.05	feet		1		H2OD	4/25/24	J OETTINGER
Field Temperature	8.7	0.1	Degrees (		1		TEMP	4/25/24	J OETTINGER
Field Conductivity	66	0	umhos		1		FCOND25	4/25/24	J OETTINGER
Field pH	6.5	0.1	Units	0.1	1		FIELDPH	4/25/24	J OETTINGER
Turbidity	28.9	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	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

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	10.56	0.05	feet		1		H2OD	4/25/24	J OETTINGER
Field Temperature	10.2	0.1	Degrees (		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 OETINGER
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	9.6	0.1	Degrees C		1		TEMP	4/25/24	J OETTTINGER
Field Conductivity	444	0	umhos		1		FCOND25	4/25/24	J OETTINGER
Field pH	6.9	0.1	Units	0.1	1		FIELDPH	4/25/24	J OETTINGER
Turbidity	86.4	0.1	NTU'S		1		EPA 180.1	4/25/24	J OETTINGER
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	9.50	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	6.3	0.1	Degrees C		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	48	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	7.4	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	33.9	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
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	4.70	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	6.5	0.1	Degrees C		1		TEMP	4/26/24	J OETTINGER
Field Conductivity	188	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	6.0	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	2.8	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	4.63	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	8.4	0.1	Degrees C		1		TEMP	4/26/24	J OETINGER
Field Conductivity	189	0	umhos		1		FCOND25	4/26/24	J OETTINGER
Field pH	5.9	0.1	Units	0.1	1		FIELDPH	4/26/24	J OETTINGER
Turbidity	10.2	0.1	NTU'S		1		EPA 180.1	4/26/24	J OETTINGER
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	12.52	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	6.0	0.1	Degrees C		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	5.85	0.05	feet		1		H2OD	4/26/24	J OETTINGER
Field Temperature	5.7	0.1	Degrees C		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	10.5	0.1	Degrees (		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:

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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:

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	10.9	0.1	Degrees (		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:

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:

Sample Description: **LS-10 Weston Disposal Site #3 - Ash Landfill Sample**
Sample ID: AE75995 Sample Collection Date/Time: 10/16/2024 12:50
Sample Received: 12/17/2024 Sample Collector: RE LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	14.93	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	8.6	0.1	Degrees C		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.

Sample Description: **LS-48P Weston Disposal Site #3 - Ash Landfill Sample**
Sample ID: AE75996 Sample Collection Date/Time: 10/15/2024 16:30
Sample Received: 12/17/2024 Sample Collector: RE LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	1.75	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	6.0	0.1	Degrees C		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	2.19	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	8.5	0.1	Degrees C		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	4.34	0.05	feet		1		H2OD	10/17/24	REL
Field Temperature	8.6	0.1	Degrees C		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	8.5	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	13.22	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	7.5	0.1	Degrees (		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

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	3.50	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	8.1	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	15.16	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	10.4	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	15.86	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	7.2	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	14.60	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	10.2	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	5.78	0.05	feet		1		H2OD	10/15/24	REL
Field Temperature	9.6	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	8.1	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	5.81	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	11.2	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	11.68	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	12.5	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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 tim
e 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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	6.24	0.05	feet		1		H2OD	10/16/24	REL
Field Temperature	11.1	0.1	Degrees (		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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	10.2	0.1	Degrees (		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:

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

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
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:

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 D

2024 LEACHATE PIPE CLEANING AND INSPECTION REPORT [PER NR 506.20(3)(D)]

WESTON DISPOSAL SITE #3

LEACHATE LINE CLEANING REPORTS

SYSTEM OWNER: WPS

CLEANING FOR: RIVERVIEW CONSTRUCTION

Great Lakes TV SEAL INC.

3600 KEWAUNEE ROAD GREEN BAY, WI 54311 • 920-863-3663 • WWW.GREATLAKESTVSEAL.COM

GREAT LAKES TV SEAL, INC.
3600 Kewaunee Road Green Bay, WI 54311
920-863-3663 | www.greatlakestvseal.com

CLEANING REPORT

Date 11/20/2024
Street / Location WESTON DISPOSAL SITE #3
System Owner WPS
Contractor RIVERVIEW CONSTRUCTION
Leachate ☑ **Storm** ☐

Upstream Manhole	Downstream Manhole	Pipe Size (in)	Pipe Length (ft)	Easement Machine Used? Y	N	Remarks
C202		6	674			NOZZLE ADVANCES VERY SLOWLY
C201		6	567			NOZZLE ADVANCES SLOWLY
C101		6	700			NOZZLE STOPS
C102		6	641			NOZZLE ADVANCES VERY SLOWLY
C103		6	483			NOZZLE ADVANCES SLOWLY
C104		6	427			NOZZLE ADVANCES SLOWLY
C107		6	700			NOZZLE ADVANCES VERY SLOWLY
C106		6	611			NOZZLE ADVANCES VERY SLOWLY
C105		6	398			NOZZLE STOPS

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