We Energies
333 W. Everett St.
Milwaukee, WI 53203
www.we-energies.com

February 2, 2026

Ms. Alicia Fager
Waukesha Service Center
Wisconsin Department of Natural Resources
141 NW Barstow Street, Room 180
Waukesha, WI 53188

via electronic submittall

RE: WE ENERGIES PLEASANT PRAIRIE ASH LANDFILL
LICENSE #2786 - FID# 230056310
NR 506.20(3) 2025 ANNUAL CCR REPORT

Dear Ms. Fager:

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:

- 2025 fugitive dust control report [per NR 506.20(3)(a)]
- 2025 inspection report [per NR 506.20(3)(b)]
- 2025 groundwater monitoring and corrective action report [per NR 506.20(3)(c)]
- 2025 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 2026.

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: Mark Peters (WDNR)

Attachments: Appendices A through D (as listed above)

[File:\2026-02-02 PPPP CCR NR506 Annual Report for WDNR]

APPENDIX A

2025 FUGITIVE DUST CONTROL REPORT
[PER NR 506.20(3)(A)]

2025 ANNUAL FUGITIVE DUST CONTROL REPORT **December 19, 2025**
PLEASANT PRAIRIE ASH LANDFILL

1.0 INTRODUCTION

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

The Pleasant Prairie Ash Landfill consists of one cell that went into operation during the 4th Quarter of 2014. Under normal conditions and circumstances, nearly 100 percent of CCR generated at the Pleasant Prairie Power Plant (PPPP) was beneficially utilized. Disposal activities at the landfill were generally limited to CCR system cleanings during PPPP outages and other special events. PPPP ceased commercial operation in early 2018. The Pleasant Prairie Ash Landfill was closed (though the operating license has been retained and remains active) as part of plant decommissioning activities in December 2021.

2.0 FUGITIVE DUST CONTROL MEASURES

Fugitive dust control measures are described in Section 2.0 of the Fugitive Dust Control Plan, Pleasant Prairie Ash Landfill, dated October 19, 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 the Pleasant Prairie Ash Landfill are effective. The Cell 1 final cover was placed and closed in three separate phases, which included:

- Phase 1. Approximately 2.6 acres of final cover was installed in late 2018
- Phase 2. Approximately 3.1 acres of final cover was installed in late 2020
- Phase 3. Approximately 1.3 acres of final cover was installed in late 2021

3.0 CITIZEN COMPLAINTS

The procedure for logging citizen complaints is described in Section 3.0 of the Fugitive Dust Control Plan, Pleasant Prairie Ash Landfill, dated October 19, 2015. There were no citizen complaints associated with the Pleasant Prairie Ash Landfill that were logged during the period covered by this annual report.

APPENDIX B

2025 INSPECTION REPORT
[PER NR 506.20(3)(B)]

December 19, 2025
Project No. 2103683

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

Re: 2025 Landfill Inspection Report
Pleasant Prairie Power Plant Ash Landfill
We Energies
Pleasant Prairie, Kenosha County, Wisconsin

Dear Mr. Kovatch:

GEI Consultants, Inc. (GEI) is pleased to provide this landfill inspection report for the Pleasant Prairie Power Plant (PPPP) Ash Landfill. The inspection was completed to comply with *40 CFR 257 Subpart D – Standards for the Disposal of Coal Combustion Residuals 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

We Energies owns and operates a solid waste disposal facility adjacent to PPPP in Section 9, Township 1 North, Range 22 East, in the village of Pleasant Prairie, Kenosha County, Wisconsin. The landfill property is bounded on the north by State Highway 50 (75th Street), on the south by Bain Station Road, and on the east and west by active rail lines. The We Energies PPPP Ash Landfill is regulated as an industrial waste landfill by the Wisconsin Department of Natural Resources (WDNR) under the provisions of Chapter 289 Wisconsin State Statues, and all applicable requirement of Chapters NR 500 of the Wisconsin Administrative Code.

The design, construction, operation, closure, and post-closure care requirements are specified in the WDNR conditionally approved Plan of Operation, License No. 2786, FID# 230056310. Cell 1 of the PPPP Ash Landfill was reconstructed in 2013-2014 with an area of 7.4 acres and a design airspace capacity of 199,200 cy. The Site Location Figure in Appendix A shows the location of the PPPP Ash Landfill.

On August 31, 2018, a Plan of Operation Modification was submitted to the WDNR for the premature closure of Cell 1. The Plan of Operation Modification included a proposal to modify the final waste grades of Cell 1 to 5% to allow construction of the final cover. Premature closure of Cell 1 occurred to reduce leachate production and operational expenses of the landfill due to the decommissioning of the power plant. Final cover over Cell 1 was constructed over a period of three phases, with the first phase (eastern 2.6 acres) approved by the WDNR on July 18, 2019, the second phase (central 3.2 acres) approved by the WDNR on March 15, 2021, and the third phase (western 1.3 acres) approved by the WDNR on July 17, 2022. The We Energies PPPP Ash Landfill contains approximately 113,000 cubic yards of CCR, is closed, and will begin its post closure care period once receiving its closure licensing from WDNR.

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 November 18, 2025. 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 letter-report.

Site Inspection

The landfill site inspection was performed by Mr. John M. Trast, P.E., D.GE, and Mr. Andrew J. Schwoerer, P.G., on November 18, 2025. The annual site inspection included an inspection of the perimeter berms, slopes, final cover, exterior storm water controls, the leachate collection sump controls, the leachate storage and load-out controls, the leachate load-out pad, the site access road, and the cell entrance.

There were no signs or evidence of any distress or malfunction of the CCR unit, or any conditions that safety of the CCR unit. The perimeter berms did not show any evidence of structural weakness, erosion, or instability. The leachate sump and load-out facilities were operational and properly maintained. The exterior storm water controls were free of obstruction and are operational. The access road, load-out

pad, and cell entrance were clean and free of obstructions. The overall final cover had a good growth of vegetation, with no visual bare areas.

Conclusion

On November 18, 2025, a GEI licensed professional engineer completed an annual inspection of the We Energies PPPP Ash Landfill in compliance with *§ 257.84(b) Annual inspections by a qualified professional engineer*. Overall, the landfill appeared to be in very good condition. On the exterior slopes, the vegetation is well established with no significant erosion, no woody vegetation, no animal burrows, and no areas of instability or structural weakness. The leachate system is functioning as designed and the landfill operators are keeping up with leachate hauling. Based on observations and discussions with We Energies, the landfill has been constructed and is being operated in accordance with WDNR License No. 2786.

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

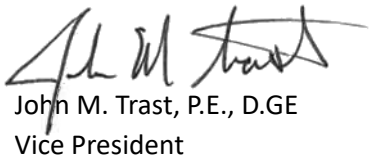
"I am a licensed professional engineer in the State of Wisconsin in accordance with the requirements of Chapter A-E 4, Wisconsin Administrative Code; that this document has been prepared in accordance with the Rules of Professional Conduct in Chapter A-E 8, Wisconsin Administrative Code; and that, to 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 letter-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
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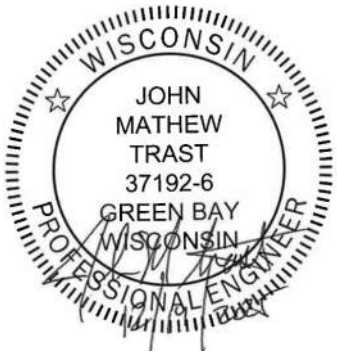
Appendices

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



Appendix A Site Location Figure

Landfill Inspection Report Pleasant Prairie Power Plant Ash Landfill Pleasant Prairie, Wisconsin	GEI Consultants	PLEASANT PRAIRIE POWER PLANT ASH LANDFILL SITE LOCATION FIGURE
WEC Business Services, LLC Milwaukee, Wisconsin	Project 2103683	December 19, 2025 Fig. 1

Appendix B Annual Inspection Report

PPPP ASH LANDFILL CCR COMPLIANCE - ANNUAL INSPECTION

INSPECTOR: John Trast, P.E., D.GE
INSPECTION DATE/TIME: 11/18/2025, 12:00 PM

WEATHER:

Temperature:	45° F
Conditions:	Overcast
Wind:	Mild
Wind Direction:	NW
Precipitation:	Mist

LEACHATE COLLECTION SYSTEM:

Load-out Facility:

High level alarms:	No
Low level alarms:	No
Leak alarms	No
Level Sensor 1:	2.1 ft
Ultrasonic Level Volume:	10612 gallons
Pump:	Available
Pad Condition:	Good

Sump:

Pump #1:	Available
Pump #2:	Available
Control Panel:	Available
Level:	P1=13" / P2=10"

Note: 50" sump level equates to 12" of head on base liner

Comments: Leachate collection system is in good working condition. Leachate levels are being maintained in compliance with the operating license requirements.

STABILITY/EROSION OF FINAL COVERS & WASTE SLOPES:

Final Covers: ☑
~~Waste Slopes:~~ ☐

Comments : The eastern 2.6 acres were closed in late 2018, the middle 3.2 acres were closed in late 2020 and western 1.3 acres closed in 2022. The final cover slopes appear stable with no observed instability, no significant erosion, no woody vegetation, or no animal burrows. Everything with the crest appeared to be in good condition with no observed instability or significant erosion. An asphalt road was installed in 2024, which disturbed some of the topsoil on the final cover. The topsoil has been seeded, fertilized, and mulched.

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 Groomed:~~	☐
Airbourne Dust Visible:	No
Sign of Recent Dust Deposition:	No

Stormwater Management

Exterior Ditches:	☑
~~Interior Ditches:~~	☐

Comments: The landfill currently does not have an active landfill surface and does not intend to create additional airspace with a lateral expansion. The landfill is in the proess of becoming administratively close and will subsequently begin its post closure care period.

Note: Check mark indicates that the features are acceptable.

Appendix C Landfill Inspection Photo Log

Pleasant Prairie Power Plant Ash Landfill Inspection – Photo Log

Date: 12/19/2025
Project No.: 2103683
Client: We Energies

Photo No. 1 – Leachate loadout screen. _____ *2*
Photo No. 2 – Leachate sump collection vault. _____ *2*
Photo No. 3 – Looking west from the Cell 1 cover at the leachate loadout pad. _____ *3*
Photo No. 4 – North slope of Cell 1, looking west. _____ *3*
Photo No. 5 – South slope of Cell 1 and perimeter stormwater ditch, looking east. _____ *4*
Photo No. 6 – South slope of Cell 1 and perimeter stormwater ditch, looking west. _____ *4*
Photo No. 7 – Top of Cell 1 cover, looking east. _____ *5*
Photo No. 8 – Top of Cell 1 cover, looking northwest. _____ *5*
Photo No. 9 – Southwest corner of Cell 1 cover, looking east. _____ *6*
Photo No. 10 – Leachate loadout screen. _____ *6*
Photo No. 11 – Leachate headwell and cleanouts. _____ *7*

Pleasant Prairie Power Plant Ash Landfill Inspection – Photo Log

Date: 12/19/2025
Project No.: 2103683
Client: We Energies

Photo No. 1 – Leachate loadout screen.

Photo No. 2 – Leachate sump collection vault.

Pleasant Prairie Power Plant Ash Landfill Inspection – Photo Log

Date: 12/19/2025
Project No.: 2103683
Client: We Energies

Photo No. 3 – Looking west from the Cell 1 cover at the leachate loadout pad.

Photo No. 4 – North slope of Cell 1, looking west.

Pleasant Prairie Power Plant Ash Landfill Inspection – Photo Log

Date: 12/19/2025
Project No.: 2103683
Client: We Energies

Photo No. 5 – South slope of Cell 1 and perimeter stormwater ditch, looking east.

Photo No. 6 – South slope of Cell 1 and perimeter stormwater ditch, looking west.

Pleasant Prairie Power Plant Ash Landfill Inspection – Photo Log

Date: 12/19/2025
Project No.: 2103683
Client: We Energies

Photo No. 7 – Top of Cell 1 cover, looking east.

Photo No. 8 – Top of Cell 1 cover, looking northwest.

Pleasant Prairie Power Plant Ash Landfill Inspection – Photo Log

Date: 12/19/2025
Project No.: 2103683
Client: We Energies

Photo No. 9 – Southwest corner of Cell 1 cover, looking east.

Photo No. 10 – Leachate loadout screen.

Pleasant Prairie Power Plant Ash Landfill Inspection – Photo Log

Date: 12/19/2025
Project No.: 2103683
Client: We Energies

Photo No. 111 – Leachate headwell and cleanouts.

APPENDIX C

2025 GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT [PER NR 506.20(3)(C)]

Prepared for
We Energies

Date
January 31, 2026

Project No.
1940114239

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL

RAMBOLL Bright ideas. Sustainable change.

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLEASANT PRAIRIE POWER PLANT ASH LANDFILL

Project name	**Pleasant Prairie Power Plant Ash Landfill**
Project no.	**1940114239**
Recipient	**We Energies**
Document type	**Annual CCR Groundwater Monitoring and Corrective Action Report**
Revision	**FINAL**
Date	**January 31, 2026**
Prepared by	**Kyle J. Schaefer**
Checked by	**Eric J. Tlachac, PE**
Approved by	**Nathaniel R. Keller, PG**

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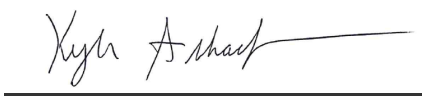

Kyle J. Schaefer
Senior Lead Consultant, Site Solutions

Eric J. Tlachac, PE
Senior Managing Consultant

Nathaniel R. Keller, PG
Senior Managing Consultant

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2. Monitoring and Corrective Action Program Status **6**
3. Key Actions Completed in 2025 **7**
4. Problems Encountered and Actions to Resolve the Problems **8**
5. Key Activities Planned for 2026 **9**
6. References **10**

TABLES (IN TEXT)

Table A 2025 Detection Monitoring Program Summary

TABLES (ATTACHED)

Table 1 Groundwater Elevations
Table 2 Analytical Results – CCR Parameters

FIGURES (ATTACHED)

Figure 1 Monitoring Well Location Map
Figure 2 Potentiometric Surface Map, April 29, 2025
Figure 3 Potentiometric Surface Map, October 21 and 22, 2025

APPENDICES

Appendix A Laboratory Reports

ACRONYMS AND ABBREVIATIONS

§	Section
40 C.F.R.	Title 40 of the Code of Federal Regulations
ACL	Alternative Concentration Limit
CCR	coal combustion residuals
ES	Enforcement Standard
ESAP	Environmental Sampling and Analysis Plan
mg/L	milligrams per liter
NA	not applicable
P4	Pleasant Prairie Power Plant
PAL	Preventive Action Limit
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
TBD	to be determined
TDS	total dissolved solids
WDNR	Wisconsin Department of Natural Resources
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) Chapter (Ch.) 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 Pleasant Prairie Power Plant (P4) Ash Landfill (License #2786) located near Pleasant Prairie, Wisconsin.

In accordance with the August 1, 2022 revisions to Ch. NR 500 Wis. Adm. Code, a Plan of Operation Modification (Plan Mod), including an Environmental Sampling and Analysis Plan (ESAP) Addendum, was prepared as required in Ch. 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 28, 2023 that the Plan Mod was incomplete and requested additional information. A revised Plan Mod was prepared and submitted on December 15, 2023.
- WDNR determined in a letter dated March 12, 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 September 6, 2024.
- On November 14, 2024, a notification letter from WDNR provided concurrence on completeness of the Plan Mod. A virtual meeting was held on December 10, 2024, allowing public comment on the Plan Mod, and the comment period remained open until January 10, 2025.
- On November 17, 2025, WDNR provided a DRAFT Conditional Plan Mod Approval. A 30-day public comment period was held between November 17, 2025, and December 17, 2025, to comply with s. NR 514.045(4), Wis. Adm. Code.
- On December 23, 2025, WDNR provided a final Conditional Plan Mod Approval.

Beginning in 2016, sampling at the P4 Ash 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 Ch. NR 500 Wis. Adm. Code in 2022, groundwater sampling has been completed in accordance with Ch. NR 507.15(3)(L) (Detection Monitoring) since 2023.

Comparisons of the concentrations of detected parameters to Ch. NR 140 groundwater quality standards (Preventive Action Limits [PALs] and Enforcement Standards [ESs]) were not completed in 2025 because these standards for some Detection Monitoring Parameters are calculated based upon site-specific baseline monitoring data (e.g., Field Specific Conductance, Total Alkalinity, Total Hardness, Total Calcium, and Total Dissolved Solids). Values for these standards were proposed in the Plan Mod and only recently approved. Alternative Concentration Limits (ACLs) for some Detection Monitoring parameters (Total Boron, Total Fluoride, and Total Sulfate) were also proposed in the Plan Mod recently approved.

No changes were made to the monitoring system in 2025 (no wells were installed or decommissioned).

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of We Energies to provide the information required by Ch. NR 507.15(3)(m) at the P4 Ash Landfill (License #2786) located in Pleasant Prairie, 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 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.
    ii. At the end of the current annual reporting period, whether the CCR landfill was operating under Detection Monitoring or Assessment 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.

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.

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.

This report provides the required information for the P4 Ash Landfill for calendar year 2025.

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 P4 Ash 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 letters dated April 28, 2023 and March 12, 2024 that the Plan Mod and a subsequent revision were incomplete and requested additional information.
- A second revision to the Plan Mod was prepared and submitted on September 6, 2024.
- On November 14, 2024, a notification letter from WDNR provided concurrence on completeness of the Plan Mod. A virtual meeting was held on December 10, 2024, allowing public comment on the Plan Mod and the public comment period remained open until January 10, 2025.
- On November 17, 2025, WDNR provided a DRAFT Conditional Plan Mod Approval. A 30-day public comment period was held between November 17, 2025, and December 17, 2025, to comply with s. NR 514.045(4), Wis. Adm. Code.
- On December 23, 2025, WDNR provided a final Conditional Plan Mod Approval.

Comparisons of the concentrations of detected parameters to Ch. NR 140 groundwater quality standards (Preventive Action Limits [PALs] and Enforcement Standards [ESs]) were not completed in 2025 because these standards for some Detection Monitoring Parameters are calculated based upon site-specific baseline monitoring data (e.g., Field Specific Conductance, Total Alkalinity, Total Hardness, Total Calcium, and Total Dissolved Solids). Values for these standards were proposed in the Plan Mod and only recently approved. Alternative Concentration Limits (ACLs) for some Detection Monitoring parameters (Total Boron, Total Fluoride, and Total Sulfate) were also proposed in the Plan Mod recently approved. Accordingly, no changes have occurred to the monitoring program status in calendar year 2025.

Beginning in 2016 sampling at the P4 Ash 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).

3. KEY ACTIONS COMPLETED IN 2025

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 2025.

In general, one groundwater sample was collected from each background (upgradient) and downgradient well during each monitoring event. All samples were collected and analyzed in accordance with the *Sampling and Analysis Plan* (SAP)*, Revision 1, Pleasant Prairie Power Plant Ash Landfill* (Ramboll, 2023) submitted as Appendix B of the ESAP Addendum. Potentiometric surface maps for both monitoring events in 2025 are included in **Figure 2 and Figure 3**. Average linear groundwater velocity was calculated for each monitoring event as noted in the tabular summary provided with each potentiometric surface map. 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 2025 are presented in **Table 2**. Laboratory reports for all 2025 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 2025, groundwater sampling was completed as summarized below (**Table A**).

Table A. 2025 Detection Monitoring Program Summary

Sampling Date	Purpose	Analytical Data Receipt Date	Parameters Analyzed
April 29, 2025	Detection Monitoring	June 2, 2025	Ch. NR 507 App A Table 1A
October 21 and 22, 2025	Detection Monitoring	December 2, 2025	Ch. NR 507 App A Table 1A

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

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

5. KEY ACTIVITIES PLANNED FOR 2026

The following key activities are planned for 2026:

- Detection Monitoring in accordance with Ch. NR 507.15(3)(L) with semi-annual sampling scheduled for the second and fourth quarters of 2026.
- Complete evaluation of groundwater analytical data against Ch. NR 140 standards including PALs, ESs, and/or ACLs, approved by WDNR.
- A notification will be provided to WDNR within 90 days of the end of the sampling period 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 and submitted within 60 days of detecting the exceedance to indicate if a source other than P4 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.

6. REFERENCES

Ramboll Americas Engineering Solutions, Inc., 2023, *Sampling and Analysis Plan Revision 1, Pleasant Prairie Power Plant Ash Landfill, Pleasant Prairie, Wisconsin*. December 14, 2023.

TABLES

TABLE 1
GROUNDWATER ELEVATIONS
2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
PLEASANT PRAIRIE, WI

Well ID	Well Type	Latitude (Degrees, minutes, seconds)	Longitude (Degrees, minutes, seconds)	Date	Groundwater Elevation (ft NAVD88)
W20D	Background (Upgradient)	42°33'51.3592"	-87°54'15.0776"	4/29/2025	670.48
				10/21/2025	666.81
W77	Background (Upgradient)	42°33'45.2513"	-87°53'54.2383”	4/29/2025	669.70
				10/22/2025	666.75
W73	Compliance (Downgradient)	42°33'57.0560"	-87°53'57.3214"	4/29/2025	668.47
				10/22/2025	665.83
W74	Compliance (Downgradient)	42°33'56.9099"	-87°54'14.3343"	4/29/2025	667.00
				10/21/2025	663.20
W75	Compliance (Downgradient)	42°33'56.8116"	-87°54'08.8120"	4/29/2025	667.42
				10/21/2025	664.26
W76	Compliance (Downgradient)	42°33'56.4738"	-87°54'01.8036"	4/29/2025	668.04
				10/22/2025	665.15

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

Pleasant Prairie Ash LF
Table 2. Analytical Results - CCR Parameters

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

Well Id	Date Sampled	Lab Id	Alkalinity, lab, mg/L	Boron, total, mg/L	Calcium, total, mg/L	Chloride, total, mg/L	Fluoride, total, mg/L	Hardness, tot, mg/L
W20D	4/29/2025	AE78432	100.0	0.500	27.6	10.0	0.95	145.00
	10/21/2025	AE82462	118.0	0.416	0.0	10.6	1.10	122.00
W73	4/29/2025	AE78433	100.0	0.500	22.5	11.0	0.94	117.00
	10/22/2025	AE82457	118.0	0.392	0.0	11.1	1.00	94.60
W74	4/29/2025	AE78439	100.0	0.450	21.8	13.0	0.94	124.00
	10/21/2025	AE82463	108.0	0.378	0.0	14.3	1.00	108.00
W75	4/29/2025	AE78434	120.0	0.440	19.8	8.5	0.95	105.00
	10/21/2025	AE82464	122.0	0.407	0.0	8.5	1.10	100.00
W76	4/29/2025	AE78435	110.0	0.490	20.5	10.0	0.91	106.00
	10/22/2025	AE82465	117.0	0.409	0.0	10.5	1.00	93.30
W77	4/29/2025	AE78436	140.0	0.470	27.3	7.9	1.00	131.00
	10/22/2025	AE82466	150.0	0.414	0.0	8.0	1.10	116.00

Pleasant Prairie Ash LF
Table 2. Analytical Results - CCR Parameters

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

Well Id	Date Sampled	Lab Id	pH (Field), SU	Sulfate, total, mg/L	TDS, mg/L
W20D	4/29/2025	AE78432	7.5	150	432
	10/21/2025	AE82462	7.6	214	428
W73	4/29/2025	AE78433	8.0	110	170
	10/22/2025	AE82457	8.3	128	444
W74	4/29/2025	AE78439	7.8	140	356
	10/21/2025	AE82463	8.1	197	368
W75	4/29/2025	AE78434	7.9	110	342
	10/21/2025	AE82464	7.6	157	318
W76	4/29/2025	AE78435	8.2	120	332
	10/22/2025	AE82465	7.9	165	334
W77	4/29/2025	AE78436	7.6	110	356
	10/22/2025	AE82466	7.9	158	356

FIGURES

Y:\GIS\Projects\116\11660\P4\MXD\2023Annual_GWM_CAR\Figure 1_GW Samp Well Loc_P4.mxd

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

UNIT BOUNDARY

CCR DOWNGRADIENT MONITORING WELL LOCATION

CCR UPGRADIENT MONITORING WELL LOCATION

IMAGERY DATE = 6/23/2022

0 150 300 Feet

MONITORING WELL LOCATION MAP

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL
PLEASANT PRAIRIE, WISCONSIN

FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\GIS\Projects\16\1660\P4\MXD\2025Annual_GWM_CAR\2025Annual_GWM_CAR_P4_Landfill_LBR.aprx

PROJECT: 169000XXXX | DATED: 7/11/2025 | DESIGNER: PWYSIATKO

UNIT BOUNDARY

BEDROCK UNIT (UPPERMOST AQUIFER) CCR MONITORING WELL LOCATION

GROUNDWATER ELEVATION CONTOUR (0.5-FT INTERVAL, NAVD 88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
IMAGERY DATE = 6/23/2022

0 150 300 Feet

POTENTIOMETRIC SURFACE MAP APRIL 29, 2025

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL
PLEASANT PRAIRIE, WISCONSIN

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS
PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
PLEASANT PRAIRIE, WISCONSIN

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

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

UPPERMOST AQUIFER

Contours	**668**	**to**	**667.5**	**North/ Northwest Across the Landfill**	Elevation Change (ft)		Distance Change (ft)
K =	1.04E+03	ft/yr	Geometric mean for Landfill				
i =	0.007		between contours identified above		0.5	/	75 = 0.007
n_e =	25	%					

$$V = \frac{1.04E+03 * 6.67E-03}{0.25}$$

V = 28 feet/year

[O: KJS 7/10/2025, C:NRK 1/21/26]

UNIT BOUNDARY

BEDROCK UNIT (UPPERMOST AQUIFER) CCR MONITORING WELL LOCATION

GROUNDWATER ELEVATION CONTOUR (0.5-FT INTERVAL, NAVD 88)

INFERRED GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

Vgw = ESTIMATED FT/YR GROUNDWATER FLOW VELOCITY
IMAGERY DATE = 6/23/2022

0 150 300 Feet

POTENTIOMETRIC SURFACE MAP
OCTOBER 21 AND 22, 2025

2025 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL
PLEASANT PRAIRIE, WISCONSIN

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

GROUNDWATER AVERAGE LINEAR VELOCITY CALCULATIONS
PLEASANT PRAIRIE POWER PLANT ASH LANDFILL
PLEASANT PRAIRIE, WISCONSIN

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

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

UPPERMOST AQUIFER

Contours	**664.5**	**to**	**664.0**	**North/ Northwest Across the Landfill**	Elevation Change (ft)		Distance Change (ft)
K =	1.04E+03	ft/yr	Geometric mean for Landfill				
i =	0.008		between contours identified above		0.5	/	65 = 0.008
n_e =	25	%					

$$V = \frac{1.04E+03 * 7.69E-03}{0.25}$$

V = 32 feet/year

[O:KJS 10/29/25, C:NRK 1/21/26]

APPENDICES

APPENDIX A
LABORATORY REPORTS

To: Eric Kovatch
PSB Annex A231

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

Report Date: Monday, June 2, 2025

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

Sample Description: W-20D
Sample ID: AE78432
Sample Received: 05/01/2025

P4 Landfill CCR Well Sample
Sample Collection Date/Time: 04/29/2025 10:35
Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	17.93	0.05	feet		1		H2OD	4/29/25	NATE DUDA
Field Temperature	14	0.1	Degrees (		1		TEMP	4/29/25	NATE DUDA
Field Conductivity	634	0	umhos		1		FCOND25	4/29/25	NATE DUDA
Field pH	7.5	0.1	Units	0.1	1		FIELDPH	4/29/25	NATE DUDA
Total Dissolved Solids	432	20	mg/L		1		Std Mtd 2540 C	5/5/25	SAA
Total Filtered Alkalinity as CaCO3	100	20	mg/l		1		Std Mtd 2320 B	5/28/25	AEU
Total Chloride	10	0.059	mg/L	0.198	1		EPA 300.0	5/9/25	AEU
Total Fluoride	0.95	0.012	mg/L	0.039	1		EPA 300.0	5/9/25	AEU
Total Sulfate	150	0.24	mg/L	0.78	1		EPA 300.0	5/9/25	AEU
Total Boron	0.5	0.017	mg/L	0.04	1		EPA 200.7	5/8/25	20
Total Calcium	27.6	0.11	mg/L	0.5	1		EPA 200.7	5/8/25	20
Total Hardness as CaCO3	145	1	mg/L	5.4	1		Std Mtd 2340B	5/8/25	20

Sample Comments:

Sample Description: W-73
Sample ID: AE78433
Sample Received: 05/01/2025

P4 Landfill CCR Well Sample
Sample Collection Date/Time: 04/29/2025 14:27
Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	22.11	0.05	feet		1		H2OD	4/29/25	NATE DUDA
Field Temperature	12	0.1	Degrees (		1		TEMP	4/29/25	NATE DUDA
Field Conductivity	534	0	umhos		1		FCOND25	4/29/25	NATE DUDA
Field pH	8.0	0.1	Units	0.1	1		FIELDPH	4/29/25	NATE DUDA
Total Dissolved Solids	170	20	mg/L		1		Std Mtd 2540 C	5/5/25	SAA
Total Filtered Alkalinity as CaCO3	100	20	mg/l		1		Std Mtd 2320 B	6/2/25	CMW
Total Chloride	11	0.059	mg/L	0.198	1		EPA 300.0	5/9/25	AEU
Total Fluoride	0.94	0.012	mg/L	0.039	1		EPA 300.0	5/9/25	AEU
Total Sulfate	110	0.24	mg/L	0.78	1		EPA 300.0	5/9/25	AEU
Dissolved Sulfate	110	0.0062	mg/L	0.021	1		EPA 300.0	5/9/25	AEU
Total Alkalinity as CaCO3	100	20	mg/L		1		SM 2320 B-1997	6/2/25	CMW
Total Boron	0.5	0.017	mg/L	0.04	1		EPA 200.7	5/8/25	20
Total Calcium	22.5	0.11	mg/L	0.5	1		EPA 200.7	5/8/25	20
Total Hardness as CaCO3	117	1	mg/L	5.4	1		Std Mtd 2340B	5/8/25	20

Report Date: Monday, June 2, 2025

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

Sample Description: W-73 **P4 Landfill CCR Well Sample**
Sample ID: AE78433 Sample Collection Date/Time: 04/29/2025 14:27
Sample Received: 05/01/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Organic Carbon	1.8	0.19	mg/L	0.5	1		Std Mtd 5310C	5/8/25	20
Dissolved Molybdenum	99.7	2.4	ug/L	10	1		EPA 200.7	5/6/25	20
Dissolved Selenium	Less Than	12.2	ug/L	40	1	U	EPA 200.7	5/6/25	20
Dissolved Boron	462	2.8	ug/L	9.4	1		EPA 200.7	5/6/25	020
Dissolved Hardness as CaCO3 ug/L	98300	1000	ug/L	5400	1		Std Mtd 2340B	5/6/25	020

Sample Comments:

Alkalinity analyzed past hold time due to discovery of incorrect probe installed by Hanna service rep. Delays in supply chain caused excessive wait times for co rrect probe to be delivered. Sample was reanalyzed with correct probe installed. CAR closed out.

Sample Description: W-75 **P4 Landfill CCR Well Sample**
Sample ID: AE78434 Sample Collection Date/Time: 04/29/2025 12:11
Sample Received: 05/01/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	22.49	0.05	feet		1		H2OD	4/29/25	NATE DUDA
Field Temperature	11	0.1	Degrees C		1		TEMP	4/29/25	NATE DUDA
Field Conductivity	547	0	umhos		1		FCOND25	4/29/25	NATE DUDA
Field pH	7.9	0.1	Units	0.1	1		FIELDPH	4/29/25	NATE DUDA
Total Dissolved Solids	342	20	mg/L		1		Std Mtd 2540 C	5/5/25	SAA
Total Filtered Alkalinity as CaCO3	120	20	mg/l		1	H1	Std Mtd 2320 B	5/30/25	AEU
Total Chloride	8.5	0.059	mg/L	0.198	1		EPA 300.0	5/9/25	AEU
Total Fluoride	0.95	0.012	mg/L	0.039	1		EPA 300.0	5/9/25	AEU
Total Sulfate	110	0.24	mg/L	0.78	1		EPA 300.0	5/9/25	AEU
Total Boron	0.44	0.017	mg/L	0.04	1		EPA 200.7	5/9/25	20
Total Calcium	19.8	0.11	mg/L	0.5	1		EPA 200.7	5/9/25	20
Total Hardness as CaCO3	105	1	mg/L	5.4	1		Std Mtd 2340B	5/9/25	20
Dissolved Calcium	18500	114	ug/L	500	1		EPA 200.7	5/6/25	20
Total Magnesium	13.4	0.18	mg/L	1	1		EPA 200.7	5/9/25	20

Sample Comments:

Alkalinity analyzed past hold time due to discovery of incorrect probe installed by Hanna service rep. Delays in supply chain caused excessive wait times for co rrect probe to be delivered. Sample was reanalyzed with correct probe installed. CAR closed out.

Sample Description: W-76 **P4 Landfill CCR Well Sample**
Sample ID: AE78435 Sample Collection Date/Time: 04/29/2025 12:52
Sample Received: 05/01/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	23.59	0.05	feet		1		H2OD	4/29/25	NATE DUDA
Field Temperature	11	0.1	Degrees C		1		TEMP	4/29/25	NATE DUDA

Report Date: Monday, June 2, 2025

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

Sample Description: W-76 **P4 Landfill CCR Well Sample**
Sample ID: AE78435 Sample Collection Date/Time: 04/29/2025 12:52
Sample Received: 05/01/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Conductivity	547	0	umhos		1		FCOND25	4/29/25	NATE DUDA
Field pH	8.2	0.1	Units	0.1	1		FIELDPH	4/29/25	NATE DUDA
Total Dissolved Solids	332	20	mg/L		1		Std Mtd 2540 C	5/5/25	SAA
Total Filtered Alkalinity as CaCO3	110	20	mg/l		1		Std Mtd 2320 B	5/28/25	AEU
Total Chloride	10	0.059	mg/L	0.198	1		EPA 300.0	5/9/25	AEU
Total Fluoride	0.91	0.012	mg/L	0.039	1		EPA 300.0	5/9/25	AEU
Total Sulfate	120	0.24	mg/L	0.78	1		EPA 300.0	5/9/25	AEU
Total Boron	0.49	0.017	mg/L	0.04	1		EPA 200.7	5/8/25	20
Total Calcium	20.5	0.11	mg/L	0.5	1		EPA 200.7	5/8/25	20
Total Hardness as CaCO3	106	1	mg/L	5.4	1		Std Mtd 2340B	5/8/25	20

Sample Comments:

Sample Description: W-77 **P4 Landfill CCR Well Sample**
Sample ID: AE78436 Sample Collection Date/Time: 04/29/2025 13:38
Sample Received: 05/01/2025 Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	17.53	0.05	feet		1		H2OD	4/29/25	NATE DUDA
Field Temperature	11	0.1	Degrees C		1		TEMP	4/29/25	NATE DUDA
Field Conductivity	588	0	umhos		1		FCOND25	4/29/25	NATE DUDA
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	4/29/25	NATE DUDA
Total Dissolved Solids	356	20	mg/L		1		Std Mtd 2540 C	5/5/25	SAA
Total Filtered Alkalinity as CaCO3	140	20	mg/l		1	H1	Std Mtd 2320 B	5/30/25	AEU
Total Chloride	7.9	0.059	mg/L	0.198	1		EPA 300.0	5/9/25	AEU
Total Fluoride	1.0	0.012	mg/L	0.039	1		EPA 300.0	5/9/25	AEU
Total Sulfate	110	0.24	mg/L	0.78	1		EPA 300.0	5/9/25	AEU
Total Boron	0.47	0.017	mg/L	0.04	1		EPA 200.7	5/8/25	20
Total Calcium	27.3	0.11	mg/L	0.5	1		EPA 200.7	5/8/25	20
Total Hardness as CaCO3	131	1	mg/L	5.4	1		Std Mtd 2340B	5/8/25	20

Sample Comments:

Alkalinity analyzed past hold time due to discovery of incorrect probe installed by Hanna service rep. Delays in supply chain caused excessive wait times for correct probe to be delivered. Sample was reanalyzed with correct probe installed. CAR closed out.

Report Date: Monday, June 2, 2025

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

Sample Description: QC — **P4 Landfill CCR Well Sample**
Sample ID: AE78437 — Sample Collection Date/Time: 04/29/2025 11:36
Sample Received: 05/01/2025 — Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Dissolved Solids	368	20	mg/L		1		Std Mtd 2540 C	5/5/25	SAA
Total Filtered Alkalinity as CaCO3	96	20	mg/l		1	H1	Std Mtd 2320 B	5/30/25	AEU
Total Chloride	13	0.059	mg/L	0.198	1		EPA 300.0	5/9/25	AEU
Total Fluoride	0.94	0.012	mg/L	0.039	1		EPA 300.0	5/9/25	AEU
Total Sulfate	140	0.24	mg/L	0.78	1		EPA 300.0	5/9/25	AEU
Total Boron	0.45	0.017	mg/L	0.04	1		EPA 200.7	5/8/25	20
Total Calcium	21.1	0.11	mg/L	0.5	1		EPA 200.7	5/8/25	20
Total Hardness as CaCO3	120	1	mg/L	5.4	1		Std Mtd 2340B	5/8/25	20

Sample Comments:

Alkalinity analyzed past hold time due to discovery of incorrect probe installed by Hanna service rep. Delays in supply chain caused excessive wait times for co rrect probe to be delivered. Sample was reanalyzed with correct probe installed. CAR closed out.

Sample Description: W-74 — **P4 Landfill CCR Well Sample**
Sample ID: AE78439 — Sample Collection Date/Time: 04/29/2025 11:31
Sample Received: 05/01/2025 — Sample Collector: NATE DUDA

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	19.83	0.05	feet		1		H2OD	4/29/25	NATE DUDA
Field Temperature	11	0.1	Degrees (		1		TEMP	4/29/25	NATE DUDA
Field Conductivity	599	0.	umhos		1		FCOND25	4/29/25	NATE DUDA
Field pH	7.8	0.1	Units	0.1	1		FIELDPH	4/29/25	NATE DUDA
Total Dissolved Solids	356	20	mg/L		1		Std Mtd 2540 C	5/5/25	SAA
Total Filtered Alkalinity as CaCO3	100	20	mg/l		1	H1	Std Mtd 2320 B	5/30/25	AEU
Total Chloride	13	0.059	mg/L	0.198	1		EPA 300.0	5/9/25	AEU
Total Fluoride	0.94	0.012	mg/L	0.039	1		EPA 300.0	5/9/25	AEU
Total Sulfate	140	0.24	mg/L	0.78	1		EPA 300.0	5/9/25	AEU
Total Boron	0.45	0.017	mg/L	0.04	1		EPA 200.7	5/8/25	20
Total Calcium	21.8	0.11	mg/L	0.5	1		EPA 200.7	5/8/25	20
Total Hardness as CaCO3	124	1	mg/L	5.4	1		Std Mtd 2340B	5/8/25	20

Sample Comments:

Alkalinity analyzed past hold time due to discovery of incorrect probe installed by Hanna service rep. Delays in supply chain caused excessive wait times for co rrect probe to be delivered. Sample was reanalyzed with correct probe installed. CAR closed out.

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: Tuesday, December 2, 2025

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

Sample Description: W-73 **P4 Landfill CCR Well Sample**
Sample ID: AE82457 Sample Collection Date/Time: 10/22/2025 12:08
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Boron	409	3.0	ug/L	10.0	1		EPA 200.7	11/11/25	20
Dissolved Molybdenum	96.1	0.44	ug/L	1.5	1		EPA 200.7	11/8/25	20
Dissolved Selenium	0.32	0.32	ug/L	1.1	1	<	EPA 200.7	11/8/25	20
Dissolved Calcium	17300	76.2	ug/L	250	1		EPA 200.7	11/8/25	20
Dissolved Magnesium	10700	31.2	ug/L	100	1		EPA 200.7	11/8/25	20
Dissolved Sodium	71000	42	ug/L	100	1		EPA 200.7	11/11/25	20
Dissolved Potassium	1390	237	ug/L	789	1		EPA 200.7	11/8/25	20
Total Filtered Alkalinity as CaCO3	117	5.0	mg/L	10.0	1		Std Mtd 2320 B	10/30/25	20
Dissolved Sulfate	126	2.2	mg/L	10.0	5		EPA 300.0	11/10/25	20
Dissolved Organic Carbon	2.3	0.19	mg/L	0.50	1		Std Mtd 5310C	11/7/25	20
Total Chloride in Groundwater	11.1	0.59	mg/L	2.0	1		EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	1.0	0.095	mg/L	0.32	1		EPA 300.0	10/25/25	20
Total Sulfate	128	2.2	mg/L	10.0	5		EPA 300.0	10/27/25	20
Dissolved Chloride	11.7	3.0	mg/L	10.00	5		EPA 300.0	11/10/25	20
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	10/30/25	20
Total Dissolved Solids	444	20	mg/L		1		Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	118	5.0	mg/L	10.0	1		SM 2320 B-1997	11/3/25	20
Total Boron	0.392	0.003	mg/L	0.010	1		EPA 200.7	11/8/25	020
Total Calcium	18.5	0.0762	ug/L	0.250	1		EPA 200.7	11/8/25	20
Total Hardness as CaCO3	94.6	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Bicarbonate Ion	117	5.0	mg/L	10.0	1		HCO3	10/30/25	20
Dissolved Hardness as CaCO3 ug/L	87.5	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Field Temperature	12.8	0.1	Degrees (		1		TEMP	10/22/25	RAMBOLL
Field Water Level	24.75	0.05	feet		1		H2OD	10/22/25	RAMBOLL
Field pH	8.3	0.1	Units	0.1	1		FIELDPH	10/22/25	RAMBOLL
Field Conductivity	477	0	umhos		1		FCOND25	10/22/25	RAMBOLL

Sample Comments:

Sample Description: W-20D **P4 Landfill CCR Well Sample**
Sample ID: AE82462 Sample Collection Date/Time: 10/21/2025 10:08
Sample Received: 10/22/2025 Sample Collector: KJG

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

Report Date: Tuesday, December 2, 2025

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

Sample Description: W-20D **P4 Landfill CCR Well Sample**
Sample ID: AE82462 Sample Collection Date/Time: 10/21/2025 10:08
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sulfate	175	2.2	mg/L	10.0	5		EPA 300.0	11/10/25	20
Total Chloride in Groundwater	10.6	0.59	mg/L	2.0	1		EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	1.1	0.095	mg/L	0.32	1		EPA 300.0	10/25/25	20
Total Sulfate	214	4.4	mg/L	20.0	10		EPA 300.0	11/1/25	20
Dissolved Chloride	11.3	3.0	mg/L	10.0	5		EPA 300.0	11/10/25	020
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	11/3/25	20
Total Dissolved Solids	428	20	mg/L		1		Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	118	5.0	mg/L	10.0	1		SM 2320 B-1997	11/3/25	20
Total Boron	0.416	0.003	mg/L	0.010	1		EPA 200.7	11/8/25	020
Total Calcium	23.7	0.0762	ug/L	0.250	1		EPA 200.7	11/8/25	020
Total Hardness as CaCO3	122	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Dissolved Calcium	23000	76.2	ug/L	250	1		EPA 200.7	11/6/25	20
Dissolved Magnesium	14600	31.2	ug/L	100	1		EPA 200.7	11/6/25	20
Dissolved Potassium	2870	237	ug/L	789	1		EPA 200.7	11/6/25	20
Dissolved Sodium	75400	420	ug/L	1000	10		EPA 200.7	11/6/25	20
Bicarbonate Ion	118	5.0	mg/L	10.0	1		HCO3	11/3/25	20
Field Temperature	14.8	0.1	Degrees (		1		TEMP	10/21/25	RAMBOLL
Field Water Level	21.6	0.05	feet		1		H2OD	10/21/25	RAMBOLL
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	10/21/25	RAMBOLL
Field Conductivity	570.9	0	umhos		1		FCOND25	10/21/25	RAMBOLL

Sample Comments:

Sample Description: W-74 **P4 Landfill CCR Well Sample**
Sample ID: AE82463 Sample Collection Date/Time: 10/21/2025 13:09
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sulfate	162	2.2	mg/L	10.0	5		EPA 300.0	11/10/25	20
Total Chloride in Groundwater	14.3	0.59	mg/L	2.0	1		EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	1.0	0.095	mg/L	0.32	1		EPA 300.0	10/25/25	20
Total Sulfate	197	4.4	mg/L	20.0	10		EPA 300.0	11/1/25	20
Dissolved Chloride	15.0	3.0	mg/L	10.0	5		EPA 300.0	11/10/25	020
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	11/3/25	20
Total Dissolved Solids	368	20	mg/L		1		Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	108	5.0	mg/L	10.0	1		SM 2320 B-1997	11/3/25	20
Total Boron	0.378	0.003	mg/L	0.010	1		EPA 200.7	11/8/25	020
Total Calcium	20.2	0.0762	ug/L	0.250	1		EPA 200.7	11/8/25	020
Total Hardness as CaCO3	108	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Dissolved Calcium	20400	76.2	ug/L	250	1	D9	EPA 200.7	11/6/25	20
Dissolved Magnesium	14100	31.2	ug/L	100	1	D9	EPA 200.7	11/6/25	20
Dissolved Potassium	2600	237	ug/L	789	1		EPA 200.7	11/6/25	20

Report Date: Tuesday, December 2, 2025

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

Sample Description: W-74 **P4 Landfill CCR Well Sample**
Sample ID: AE82463 Sample Collection Date/Time: 10/21/2025 13:09
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sodium	72900	42	ug/L	100	1		EPA 200.7	11/6/25	20
Bicarbonate Ion	108	5.0	mg/L	10.0	1		HCO3	11/3/25	20
Field Temperature	13.1	0.1	Degrees (		1		TEMP	10/21/25	RAMBOLL
Field Water Level	23.63	0.05	feet		1		H2OD	10/21/25	RAMBOLL
Field pH	8.1	0.1	Units	0.1	1		FIELDPH	10/21/25	RAMBOLL
Field Conductivity	542.5	0	umhos		1		FCOND25	10/21/25	RAMBOLL

Sample Comments:

Sample Description: W-75 **P4 Landfill CCR Well Sample**
Sample ID: AE82464 Sample Collection Date/Time: 10/21/2025 14:02
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sulfate	128	2.2	mg/L	10.0	5		EPA 300.0	11/10/25	20
Total Chloride in Groundwater	8.5	0.59	mg/L	2.0	1		EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	1.1	0.095	mg/L	0.32	1		EPA 300.0	10/25/25	20
Total Sulfate	157	4.4	mg/L	20.0	10		EPA 300.0	11/1/25	20
Dissolved Chloride	9.4	3.0	mg/L	10.0	5	JD3	EPA 300.0	11/10/25	020
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	11/3/25	20
Total Dissolved Solids	318	20	mg/L		1		Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	122	5.0	mg/L	10.0	1		SM 2320 B-1997	11/3/25	20
Total Boron	0.407	0.003	mg/L	0.010	1		EPA 200.7	11/8/25	020
Total Calcium	19.0	0.0762	ug/L	0.250	1		EPA 200.7	11/8/25	020
Total Hardness as CaCO3	100	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Dissolved Calcium	18100	76.2	ug/L	250	1		EPA 200.7	11/6/25	20
Dissolved Magnesium	11700	31.2	ug/L	100	1		EPA 200.7	11/6/25	20
Dissolved Potassium	2410	237	ug/L	789	1		EPA 200.7	11/6/25	20
Dissolved Sodium	64100	42	ug/L	100	1		EPA 200.7	11/6/25	20
Bicarbonate Ion	122	5.0	mg/L	10.0	1		HCO3	11/3/25	20
Field Temperature	13.5	0.1	Degrees (		1		TEMP	10/21/25	RAMBOLL
Field Water Level	25.65	0.05	feet		1		H2OD	10/21/25	RAMBOLL
Field pH	7.6	0.1	Units	0.1	1		FIELDPH	10/21/25	RAMBOLL
Field Conductivity	487.2	0	umhos		1		FCOND25	10/21/25	RAMBOLL

Sample Comments:

Report Date: Tuesday, December 2, 2025

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

Sample Description: W-76 **P4 Landfill CCR Well Sample**
Sample ID: AE82465 Sample Collection Date/Time: 10/22/2025 08:33
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sulfate	134	2.2	mg/L	10.0	5		EPA 300.0	11/10/25	20
Total Chloride in Groundwater	10.5	0.59	mg/L	2.0	1		EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	1.0	0.095	mg/L	0.32	1		EPA 300.0	10/25/25	20
Total Sulfate	165	4.4	mg/L	20.0	10		EPA 300.0	11/1/25	20
Dissolved Chloride	11.1	3.0	mg/L	10.0	5		EPA 300.0	11/10/25	020
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	11/3/25	20
Total Dissolved Solids	334	20	mg/L		1		Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	117	5.0	mg/L	10.0	1		SM 2320 B-1997	11/3/25	20
Total Boron	0.409	0.003	mg/L	0.010	1		EPA 200.7	11/8/25	020
Total Calcium	18.7	0.0762	ug/L	0.250	1		EPA 200.7	11/8/25	020
Total Hardness as CaCO3	93.3	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Dissolved Calcium	18000	76.2	ug/L	250	1		EPA 200.7	11/6/25	20
Dissolved Magnesium	11100	31.2	ug/L	100	1		EPA 200.7	11/6/25	20
Dissolved Potassium	1890	237	ug/L	789	1		EPA 200.7	11/6/25	20
Dissolved Sodium	67600	42	ug/L	100	1		EPA 200.7	11/6/25	20
Bicarbonate Ion	117	5.0	mg/L	10.0	1		HCO3	11/3/25	20
Field Temperature	10.8	0.1	Degrees (		1		TEMP	10/22/25	RAMBOLL
Field Water Level	26.48	0.05	feet		1		H2OD	10/22/25	RAMBOLL
Field pH	7.9	0.1	Units	0.1	1		FIELDPH	10/22/25	RAMBOLL
Field Conductivity	492.3	0	umhos		1		FCOND25	10/22/25	RAMBOLL

Sample Comments:

Sample Description: W-77 **P4 Landfill CCR Well Sample**
Sample ID: AE82466 Sample Collection Date/Time: 10/22/2025 11:11
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sulfate	129	2.2	mg/L	10.0	5		EPA 300.0	11/10/25	20
Total Chloride in Groundwater	8.0	0.59	mg/L	2.0	1		EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	1.1	0.095	mg/L	0.32	1		EPA 300.0	10/25/25	20
Total Sulfate	158	4.4	mg/L	20.0	10		EPA 300.0	11/1/25	20
Dissolved Chloride	8.9	3.0	mg/L	10.0	5	JD3	EPA 300.0	11/10/25	020
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	11/3/25	20
Total Dissolved Solids	356	20	mg/L		1		Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	150	5.0	mg/L	10.0	1		SM 2320 B-1997	11/3/25	20
Total Boron	0.414	0.003	mg/L	0.010	1		EPA 200.7	11/8/25	020
Total Calcium	24.7	0.0762	ug/L	0.250	1		EPA 200.7	11/8/25	020
Total Hardness as CaCO3	116	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Dissolved Calcium	23200	76.2	ug/L	250	1		EPA 200.7	11/6/25	20
Dissolved Magnesium	12400	31.2	ug/L	100	1		EPA 200.7	11/6/25	20
Dissolved Potassium	1910	237	ug/L	789	1		EPA 200.7	11/6/25	20

Report Date: Tuesday, December 2, 2025

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

Sample Description: W-77 **P4 Landfill CCR Well Sample**
Sample ID: AE82466 Sample Collection Date/Time: 10/22/2025 11:11
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sodium	73100	42	ug/L	100	1		EPA 200.7	11/6/25	20
Field Temperature	12.4	0.1	Degrees C		1		TEMP	10/22/25	RAMBOLL
Bicarbonate Ion	150	5.0	mg/L	10.0	1		HCO3	11/3/25	20
Field Water Level	20.48	0.05	feet		1		H2OD	10/22/25	RAMBOLL
Field pH	7.9	0.1	Units	0.1	1		FIELDPH	10/22/25	RAMBOLL
Field Conductivity	528.1	0	umhos		1		FCOND25	10/22/25	RAMBOLL

Sample Comments:

Sample Description: QA/QC 3 **P4 Landfill CCR Well Sample**
Sample ID: AE82467 Sample Collection Date/Time: 10/22/2025 11:16
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sulfate	129	2.2	mg/L	10.0	5		EPA 300.0	11/10/25	20
Total Chloride in Groundwater	8.0	0.59	mg/L	2.0	1		EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	1.1	0.095	mg/L	0.32	1		EPA 300.0	10/25/25	20
Total Sulfate	158	4.4	mg/L	20.0	10		EPA 300.0	11/1/25	20
Dissolved Chloride	9.1	3.0	mg/L	10.0	5	JD3	EPA 300.0	11/10/25	020
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	11/3/25	20
Total Dissolved Solids	346	20	mg/L		1		Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	152	5.0	mg/L	10.0	1		SM 2320 B-1997	11/3/25	20
Total Boron	0.436	0.003	mg/L	0.010	1		EPA 200.7	11/8/25	020
Total Calcium	25.4	0.0762	ug/L	0.250	1		EPA 200.7	11/8/25	020
Total Hardness as CaCO3	0.119	0.32	mg/L	1.0	1		Std Mtd 2340B	11/8/25	020
Dissolved Calcium	23700	76.2	ug/L	250	1		EPA 200.7	11/6/25	20
Dissolved Magnesium	12500	31.2	ug/L	100	1		EPA 200.7	11/6/25	20
Dissolved Potassium	1940	237	ug/L	789	1		EPA 200.7	11/6/25	20
Dissolved Sodium	74600	42	ug/L	100	1		EPA 200.7	11/6/25	20
Field Temperature	12.4	0.1	Degrees C		1		TEMP	10/22/25	RAMBOLL
Bicarbonate Ion	152	5.0	mg/L	10.0	1		HCO3	11/3/25	20

Sample Comments:

Report Date: Tuesday, December 2, 2025

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

Sample Description: EB 3 **P4 Landfill CCR Well Sample**
Sample ID: AE82468 Sample Collection Date/Time: 10/22/2025 12:45
Sample Received: 10/22/2025 Sample Collector: KJG

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Dissolved Sulfate	0.44	0.44	mg/L	2.0	1	<	EPA 300.0	11/10/25	20
Total Chloride in Groundwater	0.59	0.59	mg/L	2.0	1	<	EPA 300.0	10/25/25	20
Total Fluoride in Groundwater	0.095	0.095	mg/L	0.32	1	<	EPA 300.0	10/25/25	20
Total Sulfate	0.44	0.44	mg/L	2.0	1	<	EPA 300.0	10/25/25	20
Dissolved Chloride	0.59	0.59	mg/L	2.0	1	<	EPA 300.0	11/10/25	020
Carbonate Ion	5.0	5.0	mg/L	10.0	1	<	CO3	11/3/25	20
Total Dissolved Solids	6	20	mg/L		1	J	Std Mtd 2540 C	10/27/25	SAA
Total Alkalinity as CaCO3	5.0	5.0	mg/L	10.0	1	<	SM 2320 B-1997	11/3/25	20
Total Boron	0.003	0.003	mg/L	0.010	1	<	EPA 200.7	11/8/25	020
Total Calcium	0.0762	0.0762	mg/L	0.250	1	<	EPA 200.7	11/8/25	020
Total Hardness as CaCO3	0.32	0.32	mg/L	1.0	1	<	Std Mtd 2340B	11/8/25	020
Dissolved Calcium	76.2	76.2	ug/L	250	1	<	EPA 200.7	11/6/25	20
Dissolved Magnesium	31.2	31.2	ug/L	100	1	<	EPA 200.7	11/6/25	20
Dissolved Potassium	237	237	ug/L	789	1	<	EPA 200.7	11/6/25	20
Dissolved Sodium	42	42	ug/L	100	1	<	EPA 200.7	11/6/25	20
Bicarbonate Ion	5	5.0	mg/L	10.0	1	<	HCO3	11/3/25	20

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

2025 LEACHATE PIPE CLEANING AND INSPECTION REPORT [PER NR 506.20(3)(D)]

WE ENERGIES ASH LANDFILLS

LEACHATE LINE JETTING

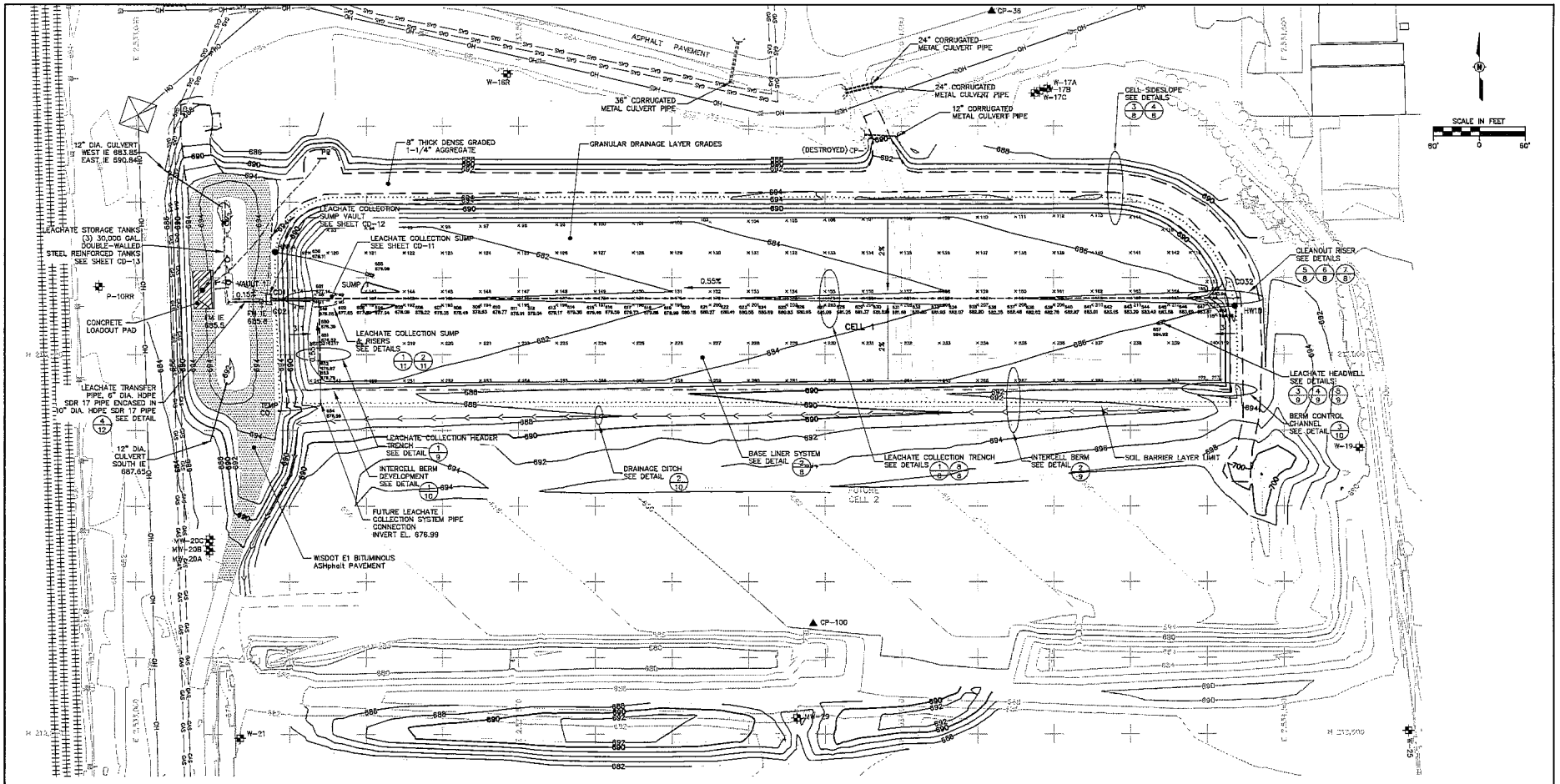
LOCATION: CALEDONIA, OAK CREEK SOUTH,
PLEASANT PRAIRIE POWER PLANT, SYSTEM CONTROL & HWY 32

JETTING FOR: AW OAKES & SON

Great Lakes TV SEAL INC.

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

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL



LEGEND

- EXISTING GROUND SURFACE CONTOUR
- GRANULAR DRAINAGE LAYER CONTOUR
- ROAD, NON PAVED
- ROAD, PAVED
- FENCE
- TREES/BRUSH
- CULVERT
- BUILDINGS
- GAS PIPE
- FIBER COMMUNICATIONS
- OVERHEAD ELECTRIC
- ELECTRIC TOWER
- RAILROAD TRACKS
- LANDFILL LIMIT OF WASTE
- LANDFILL CELL BOUNDARY
- MONITORING WELLS
- SURVEY CONTROL MONUMENT
- STEEL POLE ELECTRIC TRANSMISSION TOWER
- RAILROAD TELEPHONE POLE
- MONUMENT FOUND
- GEOMEMBRANE ANCHOR TRENCH
- LEACHATE COLLECTION CLEANOUT
- LEACHATE COLLECTION VAULT
- LEACHATE TRANSFER PIPE
- ROAD, GRAVEL
- LEACHATE COLLECTION PIPE (PERFORATED WHERE DASHED)
- LEACHATE HEADWELL
- LEACHATE COLLECTION SYSTEM PIPE, POINT NUMBER AND INVERT ELEVATION
- GRANULAR DRAINAGE BLANKET POINT NUMBER

NOTES:

1. HORIZONTAL DATUM BASED ON WISCONSIN STATE PLANE COORDINATES SOUTH ZONE, NAD 83.
2. VERTICAL DATUM BASED ON REFERENCE MARK, WISCONSIN DIVISION OF HIGHWAYS, ALUMINUM CAP SET IN TOP OF EAST END OF CONCRETE BRIDGE WALL 2.7' ABOVE GROUND, ELEVATION 719.42. CAP IS LOCATED 1.2' WEST OF TOP BEVEL. THE CONCRETE BRIDGE IS LOCATED WHERE STH "50" CROSSES THE CP RAILROAD TRACKS ON THE NORTHWEST SIDE OF THE STH.
3. SITE TOPOGRAPHY SURVEY PERFORMED BY AECOM ON AUGUST, NOVEMBER AND DECEMBER 2011. THE ACTIVE AREA WAS UPDATED BY AECOM ON MARCH 27, 2012. THE STOCKPILE IS NOT SHOWN DUE TO EXCAVATION ACTIVITIES IN THIS AREA.
4. CELL 1 CONSTRUCTION DOCUMENTATION SURVEY PERFORMED BY COM, INC. ON NOVEMBER 21, 2013.
5. CONTOURS INSIDE LIMIT OF WASTE REPRESENT TOP OF GRANULAR DRAINAGE LAYER GRADES.

CONTROL POINT DATA

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	213741.91	2532958.45	715.42	RM 8-30-45-75:ALUMINUM CAP ON TOP OF CONCRETE WALL
30	213877.98	2533092.49	684.09	CUT CROSS
31	210593.02	2533131.43	683.92	CUT CROSS
32	208734.70	2533178.76	681.48	MAG NAIL
33	205470.52	2534028.64	683.53	IP1" W/CAP
34	212916.15	2534768.07	682.90	IP1" W/CAP
35	213452.71	2533032.15	686.41	MAG NAIL
36	213452.09	2534218.49	687.33	MAG NAIL
100	212644.65	2533854.50	691.25	RSR W/CAP
101	213232.90	2533958.63	688.94	RSR W/CAP (DESTROYED)

NO.	DATE	ISSUE/REVISION	APP
2	5/8/2014	CONSTRUCTION DOCUMENTATION	JMT
1	5/10/2013	RELEASED FOR BIDDING	JMT

Attention: If this scale bar does not measure 1" then drawing is not original scale.

Designed: J. TRAST
Checked: J. TRAST
Drawn: J. CALAWAY
Submittal Date: 5/10/2013

GEI Consultants
3159 Voyager Drive, Green Bay, Wisconsin 54311
920-455-8200

WE ENERGIES
333 WEST EVERETT STREET, A231
MILWAUKEE, WISCONSIN 53203

GEI Project 1327380

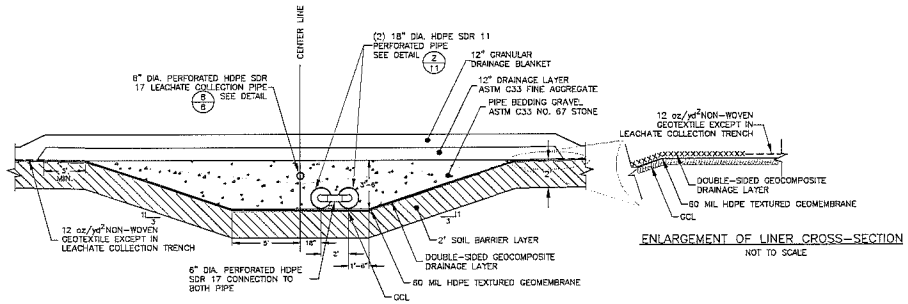
CELL 1 CONSTRUCTION DOCUMENTATION
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL

LEACHATE COLLECTION SYSTEM GRADES

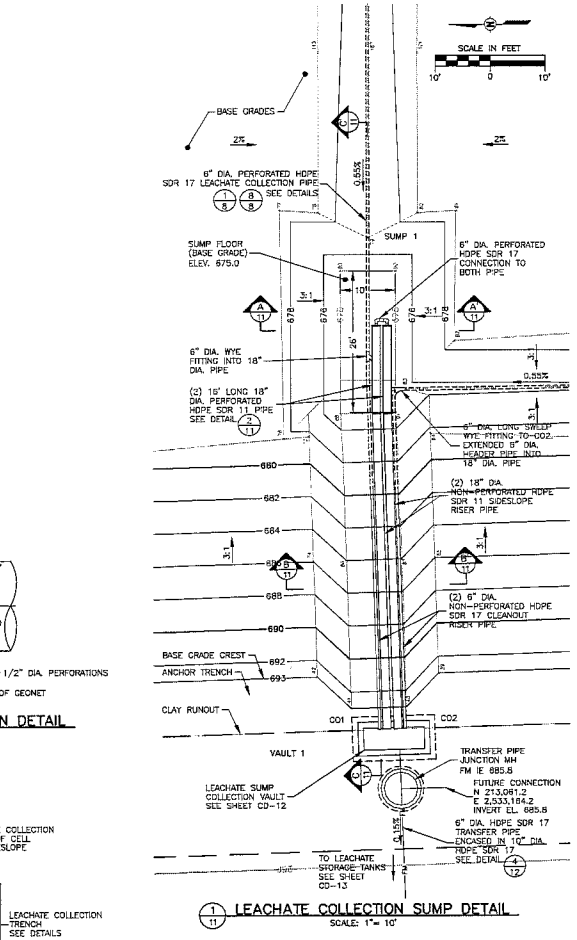
DWG. NO. CD-6

SHEET NO. 6 of 16

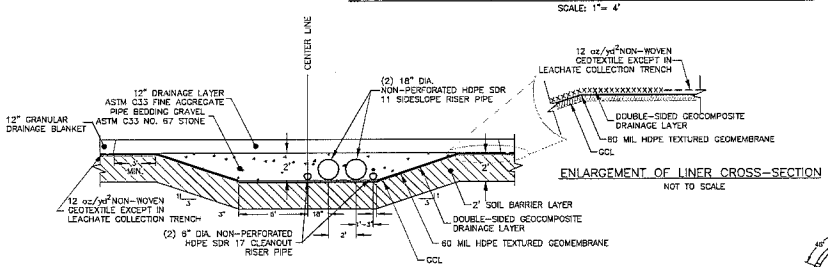
J:\Landfills\WE - PP\1327380_As-Built_CD\CD_C1_LCS.GEI



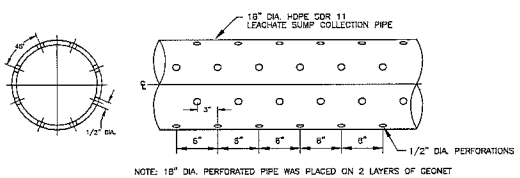
SECTION A–A' THROUGH COLLECTION SUMP AND UNDERCUT
SCALE: 1"= 4'



1/11 LEACHATE COLLECTION SUMP DETAIL
SCALE: 1"= 10'

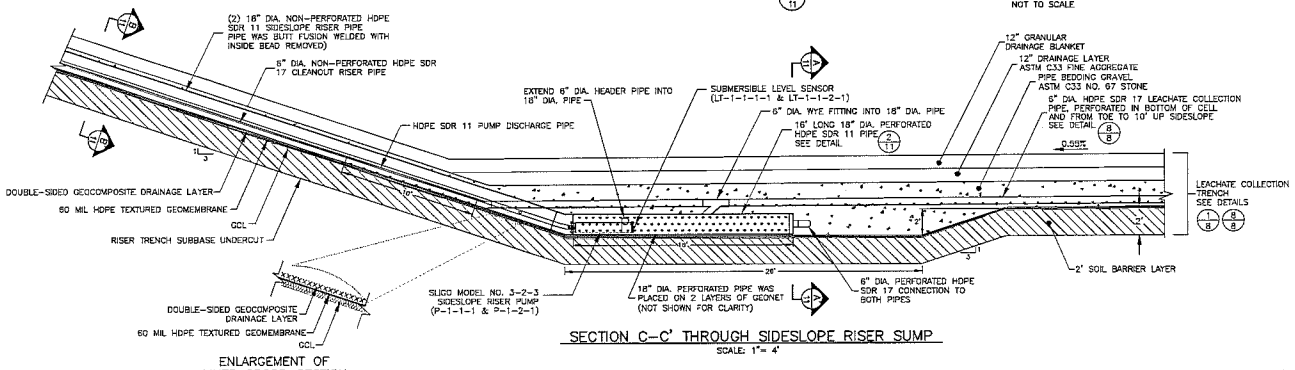


SECTION B–B' THROUGH SIDESLOPE RISER AND UNDERCUT SLOPE
SCALE: 1"= 4'

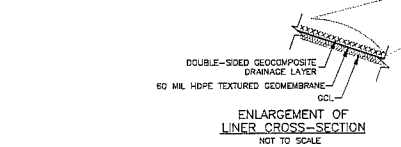


NOTE: 18" DIA. PERFORATED PIPE WAS PLACED ON 2 LAYERS OF GEONET

2/11 TYPICAL 18" DIA. HDPE SDR 11 PIPE PERFORATION DETAIL
NOT TO SCALE



SECTION C–C' THROUGH SIDESLOPE RISER SUMP
SCALE: 1"= 4'



ENLARGEMENT OF LINER CROSS-SECTION
NOT TO SCALE

ENLARGEMENT OF LINER CROSS-SECTION
NOT TO SCALE

ENLARGEMENT OF LINER CROSS-SECTION
NOT TO SCALE

Attention:				
If this scale bar does not measure 1" then drawing is not original scale.				
	2	5/8/2014	CONSTRUCTION DOCUMENTATION	JMT
	1	5/10/2013	RELEASED FOR BIDDING	JMT
	NO.	DATE	ISSUE/REVISION	APP

Designed: J. TRAST
Checked: J. TRAST
Drawn: J. CALAWAY
Submittal Date: 5/10/2013

GEI Consultants
3169 Voyager Drive, Green Bay, Wisconsin 54311
920-465-8200

WE ENERGIES
333 WEST EVERETT STREET, A231
MILWAUKEE, WISCONSIN 53203

GEI Project 1327380

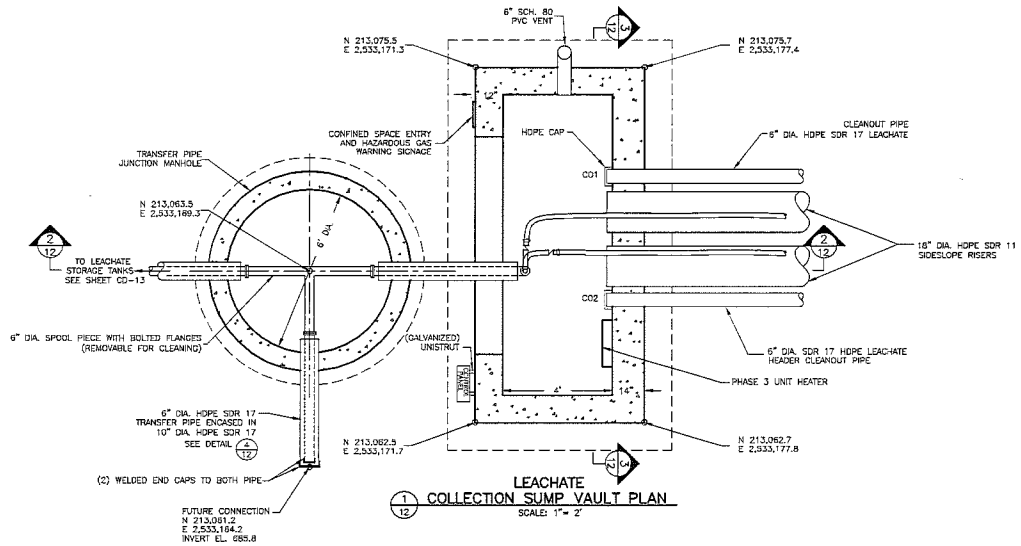
CELL 1 CONSTRUCTION DOCUMENTATION
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL

LEACHATE COLLECTION SUMP DETAILS

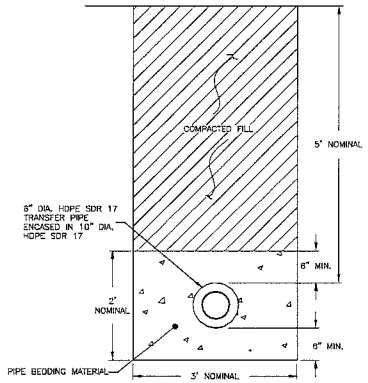
DWG. NO. CD-11

SHEET NO. 11 of 16

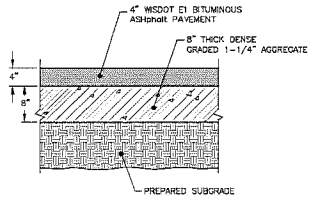
J:\Landfills\WE\...\CD11_01_SUMP DET



LEACHATE
1/12 COLLECTION SUMP VAULT PLAN
SCALE: 1"= 2'

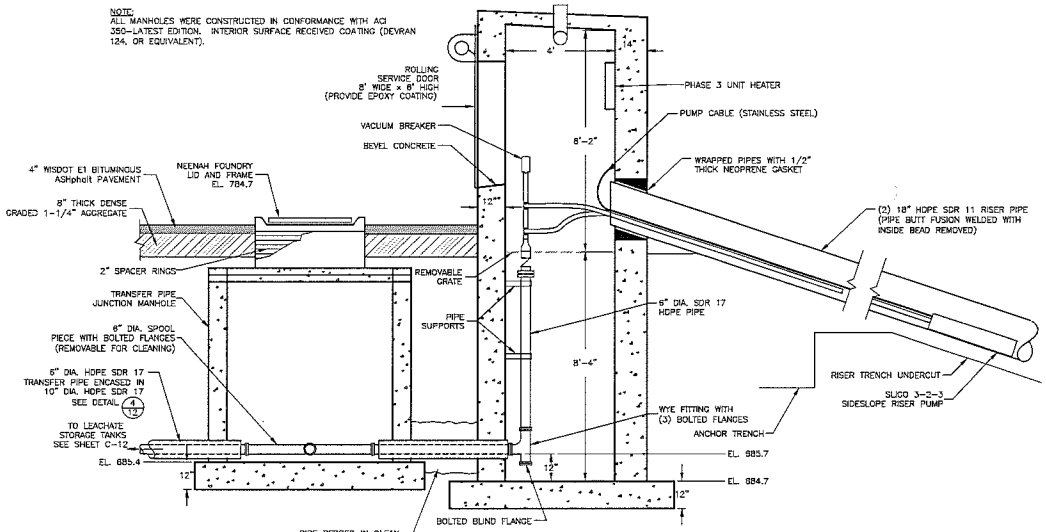


LEACHATE
4/12 TRANSFER PIPE TRENCH DETAIL
SCALE: 1"= 1'

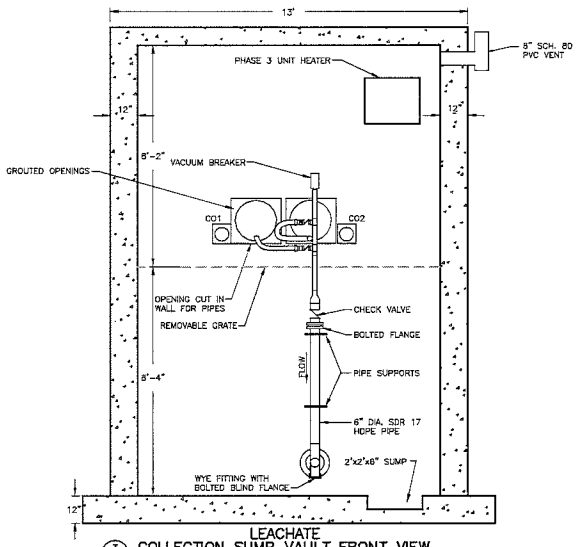


5/12 BITUMINOUS ASPHALT PAVEMENT DETAIL
SCALE: 1"= 1'

NOTE:
ALL MANHOLES WERE CONSTRUCTED IN CONFORMANCE WITH ACI 350–LATEST EDITION. INTERIOR SURFACE RECEIVED COATING (DEVRAN 124, OR EQUIVALENT).



LEACHATE
2/12 COLLECTION SUMP VAULT PROFILE
SCALE: 1"= 2'



LEACHATE
3/12 COLLECTION SUMP VAULT FRONT VIEW
SCALE: 1"= 2'

Attention:	NO.	DATE	ISSUE/REVISION	
If this scale bar does not measure 1" then drawing is not original scale.	2	5/8/2014	CONSTRUCTION DOCUMENTATION	JMT
	1	5/10/2013	RELEASED FOR BIDDING	JMT

Designed: J. TRAST
Checked: J. TRAST
Drawn: J. CALAWAY
Submittal Date: 5/10/2013

GEI Consultants
3199 Voyager Drive, Green Bay, Wisconsin 54311
920-455-8200

WE ENERGIES
333 WEST EVERETT STREET, A231
MILWAUKEE, WISCONSIN 53203

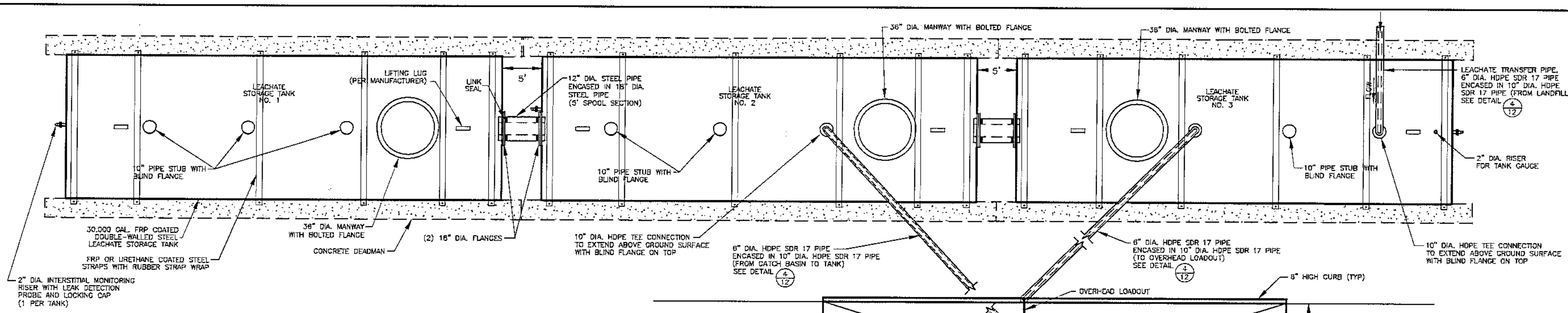
GEI Project 1327380

CELL 1 CONSTRUCTION DOCUMENTATION
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL

LEACHATE COLLECTION SUMP VAULT DETAILS

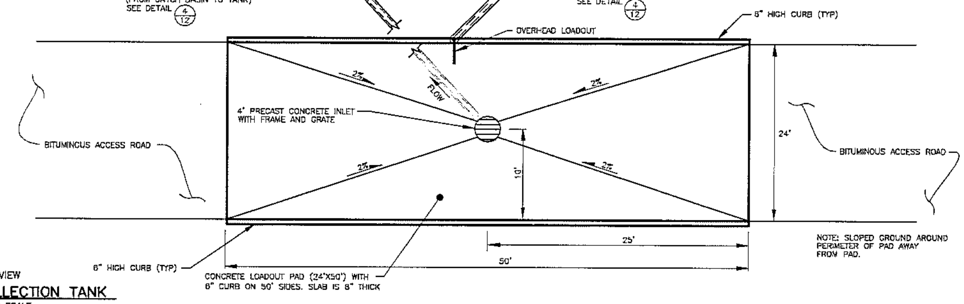
DWG. NO. CD-12

SHEET NO. 12 of 16

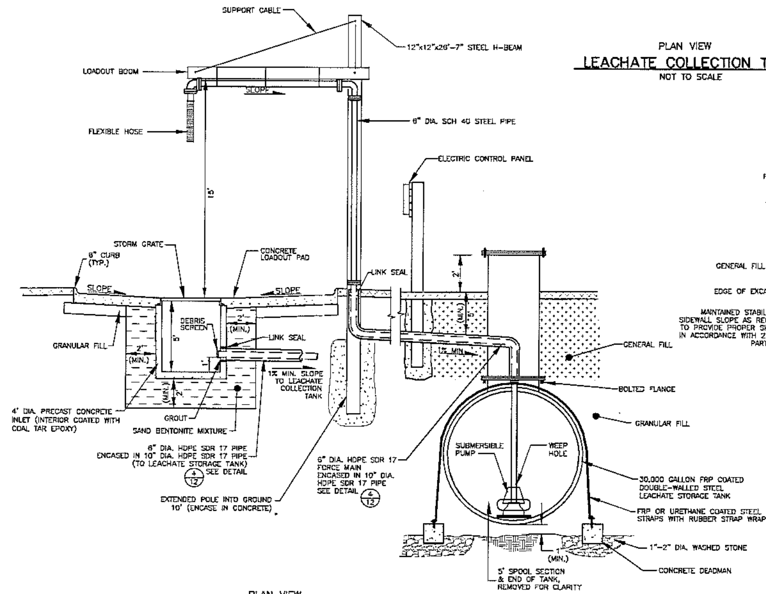


NOTES:

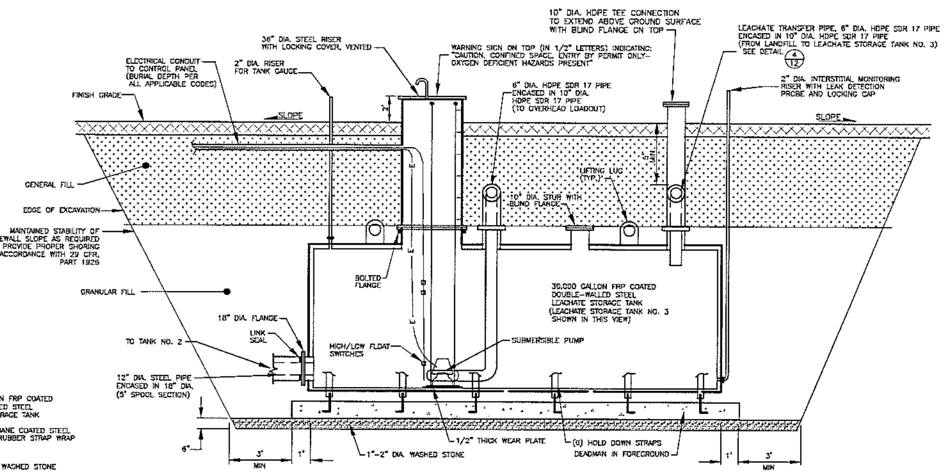
1. SHOP DRAWINGS WERE SUPPLIED TO THE OWNER/ENGINEER PRIOR TO THE FABRICATION OF THE TANK.
2. TANKS WERE ANCHORED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.



PLAN VIEW
LEACHATE COLLECTION TANK
NOT TO SCALE



PLAN VIEW
OVERHEAD LOADOUT FACILITY AND TANK PROFILE
NOT TO SCALE



SECTION THROUGH LEACHATE COLLECTION TANK
LEACHATE COLLECTION TANK
NOT TO SCALE

Attention:	NO.	DATE	ISSUE/REVISION	APP
If this scale bar does not measure 1" then drawing is not original scale.	2	5/8/2014	CONSTRUCTION DOCUMENTATION	JMT
	1	5/10/2013	RELEASED FOR BIDDING	JMT

Designed:	J. TRAST
Checked:	J. TRAST
Drawn:	J. CALAWAY
Submittal Date:	5/10/2013

GEI Consultants
3159 Voyager Drive, Green Bay, Wisconsin 54311
920-455-8200

WE ENERGIES
333 WEST EVERETT STREET, A231
MILWAUKEE, WISCONSIN 53203
GEI Project 1327380

CELL 1 CONSTRUCTION DOCUMENTATION
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL

LEACHATE STORAGE TANK DETAILS

DWG. NO. CD-13
SHEET NO. 13 of 16

We Energies

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL #3 – LICENSE #2786

DOCUMENTATION FOR HIGH PRESSURE WATER JET CLEANING OF LEACHATE COLLECTION SYSTEMS

Name of contractor: GREAT LAKES TV SEAL

Date work was performed: 10/20/2025

Description of water jet cleaning system:

2026 VACTOR 2100i

80 GPM AT 2,500 PSI – ENZ ROTO PULSE NOZZLE

USED 4,500 GALLONS OF WATER TO JET LANDFILL

FOREMAN: GREG HEALY

LABORER: RUVISEL CORTEZ

Cleaning Sequence (check appropriate areas completed). ***All*** lines must be completely cleaned out from ***each*** end (see attached sheets for layouts). Always jet from high end cleanout first:

X	Cell 1 line – CO 32 to Sump 1
	Cell 1 line – riser vault CO 1 to CO 32
	Cell 2/1 transfer line – Temp CO to Sump1
	Cell 2/1 transfer line – Riser Vault CO 2 to Temp CO
	Cell 1 sump – remove sediment from sump of both Cell 1 riser pipes
	Cell 1 riser vault – pump discharge hoses
	Cell 1 riser vault – clean vacuum break, check valves and standpipe
	Transfer line – transfer manhole to Cell 1 riser vault
	Transfer line – transfer manhole to storage tank
	Transfer manhole – remove sediment & liquid
	Cell 1 riser vault sump – remove sediment & liquid
	Loadout recirc pipe – loadout sump to storage tank
	Loadout sump – remove sediment
	Tank #2 clean equalization headers & remove sediment
	Tank #1 – remove sediment
	Tank #3 remove sediment

Problems encountered: Yes _____ No X

Description of problems:

Repairs performed: Yes _____ No X

Description of repairs:

Signed: _____

Return completed form to – Eric Kovatch

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

CLEANING REPORT

Date 10/20/2025
Street / Location PLEASANT PRAIRIE POWER PLANT ASH LANDFILL #3
System Owner WE ENERGIRES
Contractor A.W. OAKES AND SON
Leachate ☑ **Storm** ☐

Upstream Manhole	Downstream Manhole	Pipe Size (in)	Pipe Length (ft)	Easement Machine Used? Y	N	Remarks
CO 32	CO 1	6	650		X	JETTED 450' / HOSE WOULD NOT ADVANCE / BRAND NEW JETTER HOSE
CO 1	CO 32	6	650		X	

Page Total 1,300

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL #3 – LICENSE #2786