

January 31, 2024

Ms. Alicia Zewicki 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) 2023 ANNUAL CCR REPORT

Dear Ms. Zewicki:

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:

- 2023 fugitive dust control report [per NR 506.20(3)(a)]
- 2023 inspection report [per NR 506.20(3)(b)]
- 2023 groundwater monitoring and corrective action report [per NR 506.20(3)(c)]
- 2023 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 <a href="https://www.we-energies.com/environment/coal-combustion">https://www.we-energies.com/environment/coal-combustion</a> (the company website). A copy of the annual groundwater monitoring and corrective action report will be placed on the company website in early March 2024.

Please contact me at 414.221-2457 or <a href="mailto:eric.kovatch@wecenergygroup.com">eric.kovatch@wecenergygroup.com</a> should you have any questions.

Sincerely,

Eric P. Kovatch

Facility Manager – Senior Environmental Consultant

cc: Mark Peters (WDNR)

Attachments: Appendices A through D (as listed above)

[File:\2024-01-31 PPPP CCR NR506 Annual Report for WDNR]

### APPENDIX A

# 2023 FUGITIVE DUST CONTROL REPORT [PER NR 506.20(3)(A)]

# 2023 ANNUAL FUGITIVE DUST CONTROL REPORT 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

# 2023 INSPECTION REPORT [PER NR 506.20(3)(B)]



Consulting
Engineers and
Scientists

December 19, 2023 Project 2103683

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

Re: 2023 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

- 2 -

(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. Figure 1 - Site Location Figure, 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 6, 2023. Copies of the site location figure, landfill inspection form, and landfill inspection photo log are appended to this letter-report and constitute the entirety of the report.

### **Site Inspections**

The landfill site inspection was performed by Mr. Andrew Schwoerer, P.G. and Mr. John M. Trast, P.E., D.GE on November 6, 2023, and December 15, 2023. 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 being 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 6, 2023, and December 15, 2023 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 act John Trast

act John Trast

JOHN

MATHEW

TRAC

37 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.

Project Professional

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

Vice President

#### Attachments:

Figure 1 – Site Location Figure PPPP Ash Landfill CCR Compliance – Annual Inspection Form Pleasant Prairie Power Plant Ash Landfill CCR Inspection – Photo Log

#### AJS:amp

B:\Working\WEC ENERGY GROUP\2103691 CCR Landfills Engineering Assistance\05\_In\_Progress\PPPP\CCR Annual Inspection\2023 Inspection\01\_R2103683 We\_PPPP



Landfill Inspection Report Pleasant Prairie Power Plant Ash Landfill Pleasant Prairie, Wisconsin

WEC Business Services, LLC Milwaukee, Wisconsin



PLEASANT PRAIRIE POWER
PLANT ASH LANDFILL
SITE LOCATION FIGURE

Project 2103683 December 2023

Fig. 1

Form Date: 11/30/2020

#### PPPP ASH LANDFILL CCR COMPLIANCE - ANNUAL INSPECTION INSPECTOR: John Trast, P.E., D.GE **INSPECTION DATE/TIME:** 11/6/2023, 12:30 PM **WEATHER:** 45° F Temperature: Conditions: **Overcast** Wind: Moderate Wind Direction: Ε Precipitation: None **LEACHATE COLLECTION SYSTEM:** Load-out Facility: Sump: No Available High level alarms: Pump #1: No Pump #2: Available Low level alarms: No Available Leak alarms Control Panel: P1=12" / P2=9" 1.6 ft Level: Level Sensor 1: Ultrasonic Level Volume: 9040 gallons Note: 50" sump level equates to 12" of head Available on base liner Pump: Pad Condition: Good 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: 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.

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

| LANDFILL OPERATIONS:            |  |
|---------------------------------|--|
| Fugitive Dust Control:          | Stormwater Management  |
| Tracking Pads:                  | ☐ Exterior Ditches: ☑  |
| Cattle Guards:                  | ☐ Interior Ditches: ☐  |
| Access Road Clean:              |  |
| Landfill Surfaces Groomed:      |  |
| Airbourne Dust Visible:         | No   |
| Sign of Recent Dust Deposition: | No   |
| 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.



| Photo No. 1 – Looking southeast at underground leachate storage tanks.           | 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 southeast, showing thick vegetation | 3 |
| Photo No. 5 – East slope of Cell 1, looking northwest                            | 4 |
| Photo No. 6 – Cleanout and leachate headwell on the east end of Cell 1           | 4 |
| Photo No. 7 – South slope of Cell 1 and perimeter stormwater ditch.              | 5 |
| Photo No. 8 – Final cover drain pipe outlet on the south slope                   | 5 |
| Photo No. 9 – Top of Cell 1 cover, looking northwest.                            | 6 |
| Photo No. 10 – Top of Cell 1 cover, looking east                                 | 6 |
| Photo No. 11 – Top of Cell 1 cover. lookina south.                               | 7 |





Photo No. 1 – Looking southeast at underground leachate storage tanks.



Photo No. 2 – Leachate sump collection vault.





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



Photo No. 4 – North slope of Cell 1, looking southeast, showing thick vegetation.





Photo No. 5 – East slope of Cell 1, looking northwest.



Photo No. 6 – Cleanout and leachate headwell on the east end of Cell 1.





Photo No. 7 – South slope of Cell 1 and perimeter stormwater ditch.



Photo No. 8 – Final cover drain pipe outlet on the south slope.





Photo No. 9 – Top of Cell 1 cover, looking northwest.



Photo No. 10 – Top of Cell 1 cover, looking east.





Photo No. 11 – Top of Cell 1 cover, looking south.

### **APPENDIX C**

# 2023 GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT [PER NR 506.20(3)(C)]

Prepared for We Energies

Date
January 31, 2024

Project No. **1940102327** 

# 2023 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLEASANT PRAIRIE POWER PLANT ASH LANDFILL



# 2023 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PLEASANT PRAIRIE POWER PLANT ASH LANDFILL

Project name Pleasant Prairie Power Plant Ash Landfill

Project no. 1940102327
Recipient We Energies

Document type Annual CCR Groundwater Monitoring and Corrective Action Report

Revision FINAL

Date January 31, 2024
Prepared by Kyle J. Schaefer
Checked by Eric J. Tlachac, PE
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### **TABLES (IN TEXT)**

Table A 2022-2023 Detection Monitoring Program Summary

### **TABLES (ATTACHED)**

Table 1 Groundwater Elevations

Table 2 Analytical Results – Baseline and CCR Parameters

### **FIGURES (ATTACHED)**

Figure 1 Monitoring Well Location Map

Figure 2 Potentiometric Surface Map, October 5, 2022 Figure 3 Potentiometric Surface Map, April 11, 2023

Figure 4 Potentiometric Surface Map, October 26 and 30, 2023

### **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 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 located near Pleasant Prairie, Wisconsin.

As required in Ch. NR 514.045, a Plan of Operation Modification (Plan Mod), including an Environmental Sampling and Analysis Plan (ESAP) Addendum, was prepared for the above referenced CCR 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 28, 2023 that the Plan Mod was incomplete and requested additional information. A revised Plan Mod was prepared and submitted on December 15, 2023.

From 2016 through 2022 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.

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

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 approval.

In 2023, groundwater sampling was completed in accordance with Ch. NR 507.15(3)(L) (Detection Monitoring). Additional samples were collected to establish baseline groundwater quality for parameters listed in Ch. NR 507 Appendix I, Tables 1A and 3 that were not analyzed as part of the 40 C.F.R. § 257.94 Detection Monitoring Program.

### 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 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:
  - At the start of the current annual reporting period, whether the CCR landfill was operating under Detection Monitoring or Assessment Monitoring. (The P4 Ash Landfill began 2023 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 P4 Ash Landfill ended 2023 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 WDNR approval.)

- 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 P4 Ash Landfill in 2023).
- 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 P4 Ash Landfill in 2023).

This report provides the required information for the P4 Ash Landfill for calendar year 2023.

# 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 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. Accordingly, no changes have occurred to the monitoring program status in calendar year 2023.

From 2016 through 2022 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.

In 2023, groundwater sampling was completed in accordance with Ch. NR 507.15(3)(L) (Detection Monitoring). Additional samples were collected to establish baseline groundwater quality for parameters listed in Ch. NR 507 Appendix I, Tables 1A and 3 that were not collected as part of the 40 C.F.R. § 257.94 Detection Monitoring Program.

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 approval.

In 2024, groundwater sampling will continue to be completed in accordance with Ch. NR 507.15(3)(L).

### 3. KEY ACTIONS COMPLETED IN 2023

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 2023. 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 the fourth quarter of 2022 and both monitoring events in 2023 are included in **Figures 2 through 4**. Water level data, collected from background and downgradient monitoring wells, are included in **Table 1**. All monitoring data and analytical results obtained under Ch. NR 507.15(3)(L) (as applicable) in the fourth quarter of 2022 and all monitoring events in 2023 are presented in **Table 2**. Laboratory reports for all 2023 monitoring events are included in **Appendix A**<sup>1</sup>.

In 2023, groundwater sampling was completed in accordance with Ch. NR 507.15(3)(L) with additional sampling to establish baseline groundwater quality for select parameters listed in Ch. NR 507 Appendix I, Tables 1A and 3 not analyzed as part of the 40 C.F.R. § 257.94 Detection Monitoring Program conducted from 2016-2022. Sampling occurred monthly starting in January of 2023 and extending through October of 2023. **Table 2** and **Appendix A** include all analytical results and laboratory reports for the monitoring events. A total of 8 samples have been collected from each monitoring well and analyzed for each parameter listed in Ch. NR 507 Appendix I Tables 1A and 3.

Table A. 2022-2023 Detection Monitoring Program Summary

| Sampling Date    | Purpose              | Analytical Data<br>Receipt Date | Parameters Analyzed     |
|------------------|----------------------|---------------------------------|-------------------------|
| October 5, 2022  | Detection Monitoring | December 5, 2022                | 40 C.F.R. § 257         |
|                  |                      |                                 | Appendix III            |
| January 30, 2023 | Baseline Sampling    | March 2, 2023                   | Total Alkalinity        |
|                  |                      | Tota                            | Total Calcium           |
|                  |                      |                                 | Total Copper            |
|                  |                      |                                 | Total Hardness          |
|                  |                      |                                 | Total Magnesium         |
|                  |                      |                                 | Total Manganese         |
|                  |                      |                                 | Total Nitrate + Nitrite |
|                  |                      |                                 |                         |
|                  |                      |                                 | Total Silver            |
|                  |                      |                                 | Total Zinc              |
| March 6, 2023    | Baseline Sampling    | June 26, 2023                   | Total Alkalinity        |
|                  |                      |                                 | Total Calcium           |
|                  |                      |                                 | Total Copper            |
|                  |                      |                                 | Total Hardness          |
|                  |                      |                                 | Total Magnesium         |
|                  |                      |                                 | Total Manganese         |
|                  |                      |                                 | Total Nitrate + Nitrite |

<sup>&</sup>lt;sup>1</sup> Laboratory reports for the fourth quarter of 2022 monitoring event were provided in the 2022 annual report.

| Sampling Date       | Purpose              | Analytical Data<br>Receipt Date | Parameters Analyzed            |
|---------------------|----------------------|---------------------------------|--------------------------------|
| March 6, 2023 cont. | Baseline Sampling    | June 26, 2023                   | Field pH                       |
|                     |                      |                                 | Total Silver                   |
|                     |                      |                                 | Total Zinc                     |
| April 11, 2023      | Detection Monitoring | May 3, 2023                     | Ch. NR 507 App A Tables        |
|                     | & Baseline Sampling  |                                 | 1A and 3                       |
| May 15, 2023        | Baseline Sampling    | May 23, 2023                    | Total Alkalinity (W74 only)    |
|                     |                      |                                 | Total Calcium                  |
|                     |                      |                                 | Total Copper                   |
|                     |                      |                                 | Total Hardness                 |
|                     |                      |                                 | Total Magnesium                |
|                     |                      |                                 | Total Manganese                |
|                     |                      |                                 | Total Nitrate + Nitrite        |
|                     |                      |                                 | Field pH                       |
|                     |                      |                                 | Total Silver                   |
|                     |                      |                                 | Total Zinc                     |
| June 14, 2023       | Baseline Sampling    | July 7, 2023                    | Total Calcium                  |
|                     |                      |                                 | Total Copper                   |
|                     |                      |                                 | Total Hardness                 |
|                     |                      |                                 | Total Magnesium                |
|                     |                      |                                 | Total Manganese                |
|                     |                      |                                 | Total Nitrate + Nitrite        |
|                     |                      |                                 | Field pH                       |
|                     |                      |                                 | Total Silver                   |
| Lub. 47, 2002       | Desellas Consultas   | Luk 07 0000                     | Total Zinc                     |
| July 17, 2023       | Baseline Sampling    | July 27, 2023                   | Total Calcium                  |
|                     |                      |                                 | Total Copper<br>Total Hardness |
|                     |                      |                                 | Total Magnesium                |
|                     |                      |                                 | Total Manganese                |
|                     |                      |                                 | Total Nitrate + Nitrite        |
|                     |                      |                                 | Field pH                       |
|                     |                      |                                 | Total Silver                   |
|                     |                      |                                 | Total Zinc                     |
| August 17, 2023     | Baseline Sampling    | September 12, 2023              | Total Calcium                  |
| . <b>.</b>          |                      | , , ,                           | Total Copper                   |
|                     |                      |                                 | Total Hardness                 |
|                     |                      |                                 | Total Magnesium                |
|                     |                      |                                 | Total Manganese                |
|                     |                      |                                 | Total Nitrate + Nitrite        |
|                     |                      |                                 | Field pH                       |
|                     |                      |                                 | Total Silver                   |
|                     |                      |                                 | Total Zinc                     |
| September 21, 2023  | Baseline Sampling    | October 6, 2023                 | Total Calcium                  |
|                     |                      |                                 | Total Copper                   |
|                     |                      |                                 | Total Hardness                 |
|                     |                      |                                 | Total Magnesium                |
|                     |                      |                                 | Total Manganese                |
|                     |                      |                                 | Total Nitrate + Nitrite        |
|                     |                      |                                 | Field pH                       |

| Sampling Date      | Purpose              | Analytical Data<br>Receipt Date | Parameters Analyzed     |
|--------------------|----------------------|---------------------------------|-------------------------|
| September 21, 2023 | Baseline Sampling    | October 6, 2023                 | Total Silver            |
| cont.              |                      |                                 | Total Zinc              |
| October 26 and 30, | Detection Monitoring | December 1, 2023                | Ch. NR 507 App A Tables |
| 2023               | & Baseline Sampling  |                                 | 1A and 3 (Except Total  |
|                    |                      |                                 | Alkalinity)             |

# 4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the Groundwater Monitoring Program during 2023. Groundwater samples were collected and analyzed in accordance with the SAP and all data were accepted.

### 5. KEY ACTIVITIES PLANNED FOR 2024

The following key activities are planned for 2024:

- Detection Monitoring in accordance with Ch. NR 507.15(3)(L) with semi-annual sampling scheduled for the second and fourth quarters of 2024. 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 Preventive Action Limits, Enforcement Standards, and/or ACLs, following WDNR approval.
- 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 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 following discussion with WDNR.

### 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

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PLEASANT PRAIRIE POWER PLANT ASH LANDFILL PLEASANT PRAIRIE, WI

| Well ID | Well Type                    | Latitude<br>(Degrees,<br>minutes,<br>seconds) | Longitude<br>(Degrees,<br>minutes,<br>seconds) | Date       | Groundwater<br>Elevation<br>(ft NAVD88) |
|---------|------------------------------|---|--|------------|---|
|         |                              |   |  | 10/05/2022 | 666.09                                  |
| W20D    | Background<br>(Upgradient)   | 42°33'51.3592"                                | -87°54'15.0776"                                | 4/11/2023  | 672.57                                  |
|         | (opg. dallerit)              |   |  | 10/26/2023 | 666.60                                  |
|         |                              |   |  | 10/05/2022 | 666.86                                  |
| W77     | Background<br>(Upgradient)   | 42°33'45.2513"                                | -87°53'54.2383"                                | 4/11/2023  | 671.20                                  |
|         | (opgradient)                 |   |  | 10/30/2023 | 666.99                                  |
|         | Compliance<br>(Downgradient) | 42°33'57.0560"                                | -87°53'57.3214"                                | 10/05/2022 | 667.59                                  |
| W73     |                              |   |  | 4/11/2023  | 670.14                                  |
|         |                              |   |  | 10/30/2023 | 666.12                                  |
|         | Compliance<br>(Downgradient) | 42°33'56.9099"                                | -87°54'14.3343"                                | 10/05/2022 | 663.50                                  |
| W74     |                              |   |  | 4/11/2023  | 668.92                                  |
|         |                              |   |  | 10/30/2023 | 663.83                                  |
|         |                              | 42°33'56.8116"                                |  | 10/05/2022 | 664.58                                  |
| W75     | Compliance<br>(Downgradient) |   | -87°54'08.8120"                                | 4/11/2023  | 669.93                                  |
|         |                              |   |  | 10/30/2023 | 665.32                                  |
|         |                              |   |  | 10/05/2022 | 665.38                                  |
| W76     | Compliance<br>(Downgradient) | 42°33'56.4738"                                | -87°54'01.8036"                                | 4/11/2023  | 669.88                                  |
|         |                              |   |  | 10/30/2023 | 665.62                                  |

#### Notes:

ft = foot/feet

NAVD88 = North American Vertical Datum of 1988



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

Date Range: 10/01/2022 to 12/31/2023

Lab Methods:

| Well Id | Date<br>Sampled | Lab Id      | Alkalinity, lab,<br>mg/L | Boron, total, mg/L | Calcium, total,<br>mg/L | Chloride, total,<br>mg/L | Copper, tot, ug/L | Fluoride, total,<br>mg/L |
|---------|-----------------|-------------|--------------------------|--------------------|-------------------------|--------------------------|-------------------|--------------------------|
| W20D    | 10/5/2022       | AE62999     | 116.0                    | 0.403              | 23.7                    | 11.9                     |                   | 1.10                     |
|         | 1/30/2023       | AE64759     | 111.0                    |                    | 25.0                    |                          | <0.65             |                          |
|         | 3/6/2023        | AE65326     | 118.0                    |                    | 25.5                    |                          | <1.60             |                          |
|         | 4/11/2023       | AE65951     | 110.0                    | 0.460              | 24.0                    | 11.0                     | <4.00             | 1.00                     |
|         | 5/15/2023       | AE66588     |                          |                    | 23.7                    |                          | 5.00              |                          |
|         | 6/14/2023       | AE67175     |                          |                    | 24.0                    |                          | <4.00             |                          |
|         | 7/17/2023       | 40265339001 |                          |                    | 25.4                    |                          | <3.40             |                          |
|         | 8/17/2023       | AE68378     |                          |                    | 24.1                    |                          | <3.40             |                          |
|         | 9/21/2023       | AE68994     |                          |                    | 25.6                    |                          | <8.40             |                          |
|         | 10/26/2023      | AE69710     | 118.0                    | 0.451              | 24.2                    | 11.6                     |                   | 1.10                     |
| N73     | 10/5/2022       | AE63007     | 115.0                    | 0.437              | 21.2                    | 11.6                     |                   | 1.10                     |
|         | 1/30/2023       | AE64760     | 114.0                    |                    | 20.0                    |                          | 0.95              |                          |
|         | 3/6/2023        | AE65327     | 116.0                    |                    | 23.7                    |                          | 2.00              |                          |
|         | 4/11/2023       | AE65960     | 110.0                    | 0.440              | 18.0                    | 12.0                     | <4.00             | 1.00                     |
|         | 5/15/2023       | AE66589     |                          |                    | 18.6                    |                          | 5.00              |                          |
|         | 6/14/2023       | AE67176     |                          |                    | 19.0                    |                          | <4.00             |                          |
|         | 7/17/2023       | 40265339002 |                          |                    | 18.6                    |                          | <3.40             |                          |
|         | 8/17/2023       | AE68379     |                          |                    | 20.6                    |                          | <3.40             |                          |
|         | 9/21/2023       | AE68995     |                          |                    | 23.2                    |                          | <3.40             |                          |
|         | 10/30/2023      | AE69690     | 120.0                    | 0.447              | 19.0                    | 11.2                     |                   | 1.10                     |
| N74     | 10/5/2022       | AE63003     | 107.0                    | 0.395              | 19.4                    | 15.5                     |                   | 1.10                     |
|         | 3/6/2023        | AE65328     | 114.0                    |                    | 19.6                    |                          | <1.60             |                          |
|         | 4/11/2023       | AE65954     | 100.0                    | 0.410              | 19.0                    | 14.0                     | <4.00             | 1.00                     |
|         | 5/15/2023       | AE66590     | 102.0                    |                    | 18.9                    |                          | <4.00             |                          |
|         | 6/14/2023       | AE67177     |                          |                    | 18.0                    |                          | <4.00             |                          |
|         |                 |             |                          |                    |                         |                          |                   |                          |

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

Date Range: 10/01/2022 to 12/31/2023

|     |            |             | Alkalinity, lab,<br>mg/L | Boron, total, mg/L | Calcium, total,<br>mg/L | Chloride, total,<br>mg/L | Copper, tot, ug/L | Fluoride, total,<br>mg/L |
|-----|------------|-------------|--------------------------|--------------------|-------------------------|--------------------------|-------------------|--------------------------|
| W74 | 7/17/2023  | 40265339003 |                          |                    | 20.0                    |                          | <3.40             |                          |
|     | 8/17/2023  | AE68380     |                          |                    | 18.8                    |                          | <3.40             |                          |
|     | 9/21/2023  | AE68996     |                          |                    | 18.7                    |                          | 3.70              |                          |
|     | 10/30/2023 | AE69691     | 112.0                    | 0.423              | 19.4                    | 13.2                     | <3.40             | 1.10                     |
| W75 | 10/5/2022  | AE63004     | 124.0                    | 0.404              | 18.2                    | 9.6                      |                   | 1.10                     |
|     | 1/30/2023  | AE64761     | 121.0                    |                    | 20.0                    |                          | <0.65             |                          |
|     | 3/6/2023   | AE65329     | 126.0                    |                    | 20.2                    |                          | <1.60             |                          |
|     | 4/11/2023  | AE65955     | 120.0                    | 0.430              | 19.0                    | 8.9                      | <4.00             | 1.00                     |
|     | 5/15/2023  | AE66591     |                          |                    | 18.6                    |                          | <4.00             |                          |
|     | 6/14/2023  | AE67178     |                          |                    | 19.0                    |                          | <4.00             |                          |
|     | 7/17/2023  | 40265339004 |                          |                    | 19.6                    |                          | <3.40             |                          |
|     | 8/17/2023  | AE68381     |                          |                    | 18.9                    |                          | <3.40             |                          |
|     | 9/21/2023  | AE68997     |                          |                    | 20.1                    |                          | 4.70              |                          |
|     | 10/30/2023 | AE69686     | 124.0                    | 0.434              | 19.4                    | 8.7                      |                   | 1.20                     |
| W76 | 10/5/2022  | AE63005     | 118.0                    | 0.428              | 18.8                    | 11.0                     |                   | 1.00                     |
|     | 1/30/2023  | AE64762     | 115.0                    |                    | 19.0                    |                          | <0.65             |                          |
|     | 3/6/2023   | AE65330     | 118.0                    |                    | 19.4                    |                          | <1.60             |                          |
|     | 4/11/2023  | AE65958     | 110.0                    | 0.450              | 18.0                    | 11.0                     | <4.00             | 0.90                     |
|     | 5/15/2023  | AE66592     |                          |                    | 18.1                    |                          | 5.00              |                          |
|     | 6/14/2023  | AE67179     |                          |                    | 18.0                    |                          | <4.00             |                          |
|     | 7/17/2023  | 40265339005 |                          |                    | 19.3                    |                          | 3.50              |                          |
|     | 8/17/2023  | AE68382     |                          |                    | 18.4                    |                          | <3.40             |                          |
|     | 9/21/2023  | AE68998     |                          |                    | 19.0                    |                          | <3.40             |                          |
|     | 10/30/2023 | AE69688     | 122.0                    | 0.450              | 18.9                    | 10.6                     |                   | 1.10                     |
| W77 | 10/5/2022  | AE63008     | 153.0                    | 0.414              | 23.4                    | 8.8                      |                   | 1.20                     |
|     | 1/30/2023  | AE64763     | 150.0                    |                    | 25.0                    |                          | 1.50              |                          |

### Pleasant Prairie Ash LF **Table 2. Analytical Results - Baseline and CCR Parameters**

Date Range: 10/01/2022 to 12/31/2023

| Dute 14.11go. 10/01/2022 to 12/01/2020 |              |            |             |                          |                    |                         |                          |                   |                          |
|--|--------------|------------|-------------|--------------------------|--------------------|-------------------------|--------------------------|-------------------|--------------------------|
|  | Lab Methods: | :          |             |                          |                    |                         |                          |                   |                          |
|  |              |            |             | Alkalinity, lab,<br>mg/L | Boron, total, mg/L | Calcium, total,<br>mg/L | Chloride, total,<br>mg/L | Copper, tot, ug/L | Fluoride, total,<br>mg/L |
|  | W77          | 3/6/2023   | AE65331     | 157.0                    |                    | 25.1                    |                          | <1.60             |                          |
|  |              | 4/11/2023  | AE65956     | 150.0                    | 0.420              | 24.0                    | 8.9                      | <4.00             | 1.10                     |
|  |              | 5/15/2023  | AE66593     |                          |                    | 23.9                    |                          | 5.00              |                          |
|  |              | 6/14/2023  | AE67180     |                          |                    | 23.0                    |                          | <4.00             |                          |
|  |              | 7/17/2023  | 40265339006 |                          |                    | 24.1                    |                          | 7.50              |                          |
|  |              | 8/17/2023  | AE68383     |                          |                    | 22.4                    |                          | 4.10              |                          |
|  |              | 9/21/2023  | AE68999     |                          |                    | 25.4                    |                          | <3.40             |                          |
|  |              | 10/30/2023 | AE69689     | 147.0                    | 0.428              | 24.5                    | 8.1                      |                   | 1.20                     |
|  |              |            |             |                          |                    |                         |                          |                   |                          |

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

Date Range: 10/01/2022 to 12/31/2023

Lab Methods:

| Well Id | Date<br>Sampled | Lab Id                 | Hardness, tot,<br>mg/L | Magnesium, total,<br>mg/L | Manganese, total,<br>ug/L | Nitrite + Nitrate,<br>total, mg/L | pH (Field), SU | Silver, tot, ug/L |
|---------|-----------------|------------------------|------------------------|---------------------------|---------------------------|-----------------------------------|----------------|-------------------|
| W20D    | 10/5/2022       | AE62999                |                        |                           |                           |                                   | 7.1            |                   |
|         | 1/30/2023       | AE64759                | 130.00                 | 16.00                     | 46.0                      | 0.950                             | 7.6            | <2.600            |
|         | 3/6/2023        | AE65326                | 130.00                 | 16.50                     | 37.0                      | 0.159                             | 8.1            | <0.800            |
|         | 4/11/2023       | AE65951                | 130.00                 | 16.00                     | 30.0                      | <0.400                            | 7.8            | <20.000           |
|         | 5/15/2023       | AE66588                | 126.00                 | 16.10                     | 40.0                      | 0.600                             | 7.7            | <20.000           |
|         | 6/14/2023       | AE67175                | 130.00                 | 16.00                     | 30.0                      | 0.640                             | 8.5            | 20.000            |
|         | 7/17/2023       | 40265339001<br>AE67784 | 133.00                 | 17.00                     | 37.1                      | 0.680                             | 8.0            | <3.200            |
|         | 8/17/2023       | AE68378                | 125.00                 | 15.60                     | 61.4                      | 1.720                             | 8.1            | <3.200            |
|         | 9/21/2023       | AE68994                | 133.00                 | 16.80                     | 21.9                      | 1.300                             | 7.9            | <8.000            |
|         | 10/26/2023      | AE69710                | 131.00                 |                           |                           |                                   | 7.5            |                   |
| W73     | 10/5/2022       | AE62974                |                        |                           |                           |                                   | 8.3            |                   |
|         | 1/30/2023       | AE64760                | 100.00                 | 13.00                     | 8.7                       | 0.130                             | 8.1            | <2.600            |
|         | 3/6/2023        | AE65327                | 120.00                 | 14.70                     | 26.0                      | 0.129                             | 8.7            | <1.200            |
|         | 4/11/2023       | AE65960<br>AE65978     | 94.00                  | 12.00                     | 7.0                       | <0.400                            | 8.3            | <20.000           |
|         | 5/15/2023       | AE66589                | 108.00                 | 14.90                     | 10.0                      | <0.400                            | 8.3            | <20.000           |
|         | 6/14/2023       | AE67176                | 48.00                  | 0.02                      | 20.0                      | 0.610                             | 9.0            | <20.000           |
|         | 7/17/2023       | 40265339002<br>AE67785 | 97.40                  | 12.40                     | 4.3                       | 0.590                             | 7.5            | <3.200            |
|         | 8/17/2023       | AE68379                | 104.00                 | 12.90                     | 21.5                      | 1.600                             | 9.1            | <3.200            |
|         | 9/21/2023       | AE68995                | 118.00                 | 14.60                     | 26.9                      | 2.200                             | 8.4            | <3.200            |
|         | 10/30/2023      | AE69690                | 98.70                  |                           |                           |                                   | 8.2            |                   |
| W74     | 10/5/2022       | AE63003                |                        |                           |                           |                                   | 7.9            |                   |
|         | 3/6/2023        | AE65328                | 110.00                 | 15.20                     | 24.0                      | 0.157                             | 8.2            | <1.200            |
|         | 4/11/2023       | AE65954                | 110.00                 | 15.00                     | 50.0                      | <0.400                            | 7.5            | <20.000           |

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

Date Range: 10/01/2022 to 12/31/2023

| Lab Metho | ods:       |                        |                        |                           |                           |                                   |                |                   |
|-----------|------------|------------------------|------------------------|---------------------------|---------------------------|-----------------------------------|----------------|-------------------|
|           |            |                        | Hardness, tot,<br>mg/L | Magnesium, total,<br>mg/L | Manganese, total,<br>ug/L | Nitrite + Nitrate,<br>total, mg/L | pH (Field), SU | Silver, tot, ug/L |
| W74       | 5/15/2023  | AE66590                | 109.00                 | 15.10                     | 10.0                      | 0.660                             | 8.0            | <20.000           |
|           | 6/14/2023  | AE67177                | 110.00                 | 15.00                     | 10.0                      | 0.620                             | 8.8            | <20.000           |
|           | 7/17/2023  | 40265339003<br>AE67786 | 113.00                 | 15.40                     | 14.3                      | 0.640                             | 7.6            | <3.200            |
|           | 8/17/2023  | AE68380                | 107.00                 | 14.50                     | 16.7                      | 1.050                             | 8.9            | <3.200            |
|           | 9/21/2023  | AE68996                | 107.00                 | 14.60                     | 2.7                       | 1.900                             | 7.5            | <3.200            |
|           | 10/30/2023 | AE69691                | 111.00                 |                           | 16.7                      | 0.065                             | 8.2            | <3.200            |
| W75       | 10/5/2022  | AE63004                |                        |                           |                           |                                   | 8.1            |                   |
|           | 1/30/2023  | AE64761                | 100.00                 | 13.00                     | 11.0                      | 0.150                             | 8.2            | <2.600            |
|           | 3/6/2023   | AE65329                | 110.00                 | 13.60                     | 12.0                      | 0.131                             | 8.3            | <1.200            |
|           | 4/11/2023  | AE65955                | 100.00                 | 13.00                     | 10.0                      | <0.400                            | 8.1            | <20.000           |
|           | 5/15/2023  | AE66591                | 99.80                  | 13.00                     | 5.0                       | <0.400                            | 8.1            | <20.000           |
|           | 6/14/2023  | AE67178                | 100.00                 | 13.00                     | 7.0                       | 0.710                             | 8.9            | <20.000           |
|           | 7/17/2023  | 40265339004<br>AE67787 | 104.00                 | 13.30                     | 10.5                      | 0.690                             | 7.7            | <3.200            |
|           | 8/17/2023  | AE68381                | 98.90                  | 12.50                     | 10.1                      | 1.230                             | 8.8            | <3.200            |
|           | 9/21/2023  | AE68997                | 106.00                 | 13.40                     | 2.1                       | 1.600                             | 7.4            | <3.200            |
|           | 10/30/2023 | AE69686                | 102.00                 |                           |                           |                                   | 7.4            |                   |
| W76       | 10/5/2022  | AE63005                |                        |                           |                           |                                   | 8.2            |                   |
|           | 1/30/2023  | AE64762                | 97.00                  | 12.00                     | 35.0                      | 0.140                             | 8.3            | <2.600            |
|           | 3/6/2023   | AE65330                | 100.00                 | 12.50                     | 30.0                      | 0.132                             | 8.8            | <1.200            |
|           | 4/11/2023  | AE65958                | 95.00                  | 12.00                     | 20.0                      | <0.400                            | 8.2            | <20.000           |
|           | 5/15/2023  | AE66592                | 94.80                  | 12.00                     | 10.0                      | <0.400                            | 8.3            | <20.000           |
|           | 6/14/2023  | AE67179                | 94.00                  | 12.00                     | 8.0                       | 0.680                             | 9.1            | <20.000           |
|           | 7/17/2023  | 40265339005<br>AE67788 | 99.90                  | 12.60                     | 10.8                      | 0.860                             | 7.2            | <3.200            |
|           | 8/17/2023  | AE68382                | 94.70                  | 11.80                     | 14.0                      | 7.230                             | 9.1            | <3.200            |

### Pleasant Prairie Ash LF **Table 2. Analytical Results - Baseline and CCR Parameters**

Date Range: 10/01/2022 to 12/31/2023

| Date Range.  | 10/01/2022 to 1 | 2/01/2020              |                        |                           |                           |                                   |                |                   |
|--------------|-----------------|------------------------|------------------------|---------------------------|---------------------------|-----------------------------------|----------------|-------------------|
| Lab Methods: | :               |                        |                        |                           |                           |                                   |                |                   |
|              |                 |                        | Hardness, tot,<br>mg/L | Magnesium, total,<br>mg/L | Manganese, total,<br>ug/L | Nitrite + Nitrate,<br>total, mg/L | pH (Field), SU | Silver, tot, ug/L |
| W76          | 9/21/2023       | AE68998                | 98.00                  | 12.20                     | 12.2                      | 1.900                             | 8.5            | <3.200            |
|              | 10/30/2023      | AE69688                | 96.90                  |                           |                           |                                   | 8.3            |                   |
| W77          | 10/5/2022       | AE63008                |                        |                           |                           |                                   | 7.6            |                   |
|              | 1/30/2023       | AE64763                | 120.00                 | 14.00                     | 90.0                      | 0.150                             | 7.7            | <2.600            |
|              | 3/6/2023        | AE65331                | 120.00                 | 13.90                     | 73.0                      | 0.129                             | 7.9            | <1.200            |
|              | 4/11/2023       | AE65956                | 120.00                 | 13.00                     | 70.0                      | <0.400                            | 7.7            | <20.000           |
|              | 5/15/2023       | AE66593                | 115.00                 | 13.40                     | 60.0                      | 0.520                             | 7.7            | <20.000           |
|              | 6/14/2023       | AE67180                | 110.00                 | 13.00                     | 50.0                      | 0.790                             | 8.6            | <20.000           |
|              | 7/17/2023       | 40265339006<br>AE67789 | 115.00                 | 13.30                     | 21.0                      | 0.890                             | 7.3            | <3.200            |
|              | 8/17/2023       | AE68383                | 107.00                 | 12.30                     | 19.6                      | 1.530                             | 8.3            | <3.200            |
|              | 9/21/2023       | AE68999                | 121.00                 | 14.00                     | 64.9                      | 1.900                             | 7.9            | <3.200            |
|              | 10/30/2023      | AE69689                | 117.00                 |                           |                           |                                   | 7.8            |                   |
|              |                 |                        |                        |                           |                           |                                   |                |                   |

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

Date Range: 10/01/2022 to 12/31/2023

Lab Methods:

| Well Id | Date<br>Sampled | Lab Id      | Sulfate, total, mg/ | L TDS, mg/L | Zinc, tot, ug/L |
|---------|-----------------|-------------|---------------------|-------------|-----------------|
| W20D    | 10/5/2022       | AE62999     | 178                 | 388         |                 |
|         | 1/30/2023       | AE64759     |                     |             | 4.50            |
|         | 3/6/2023        | AE65326     |                     |             | <1.40           |
|         | 4/11/2023       | AE65951     | 170                 | 380         | <20.00          |
|         | 5/15/2023       | AE66588     |                     |             | <60.00          |
|         | 6/14/2023       | AE67175     |                     |             | <60.00          |
|         | 7/17/2023       | 40265339001 |                     |             | <11.60          |
|         | 8/17/2023       | AE68378     |                     |             | <11.60          |
|         | 9/21/2023       | AE68994     |                     |             | <28.90          |
|         | 10/26/2023      | AE69710     | 182                 | 406         |                 |
| W73     | 10/5/2022       | AE63007     | 131                 | 298         |                 |
|         | 1/30/2023       | AE64760     |                     |             | 12.00           |
|         | 3/6/2023        | AE65327     |                     |             | 5.00            |
|         | 4/11/2023       | AE65960     | 130                 | 340         | <20.00          |
|         | 5/15/2023       | AE66589     |                     |             | <60.00          |
|         | 6/14/2023       | AE67176     |                     |             | <60.00          |
|         | 7/17/2023       | 40265339002 |                     |             | <11.60          |
|         | 8/17/2023       | AE68379     |                     |             | <11.60          |
|         | 9/21/2023       | AE68995     |                     |             | <11.60          |
|         | 10/30/2023      | AE69690     | 132                 | 338         |                 |
| W74     | 10/5/2022       | AE63003     | 172                 | 332         |                 |
|         | 3/6/2023        | AE65328     |                     |             | 2.00            |
|         | 4/11/2023       | AE65954     | 150                 | 370         | <20.00          |
|         | 5/15/2023       | AE66590     |                     |             | <60.00          |
|         | 6/14/2023       | AE67177     |                     |             | <60.00          |

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

Date Range: 10/01/2022 to 12/31/2023

| Lab Meth | ioas:      |             | Sulfate, total | l, mg/L TDS, mg/L | Zinc, tot, ug/L |
|----------|------------|-------------|----------------|-------------------|-----------------|
|          |            |             | Junato, tota   | ,g_ 1.50,g_       | , tot, ug-      |
| W74      | 7/17/2023  | 40265339003 |                |                   | <11.60          |
|          | 8/17/2023  | AE68380     |                |                   | 22.20           |
|          | 9/21/2023  | AE68996     |                |                   | <11.60          |
|          | 10/30/2023 | AE69691     | 162            | 372               | <11.60          |
| W75      | 10/5/2022  | AE63004     | 133            | 302               |                 |
|          | 1/30/2023  | AE64761     |                |                   | 4.00            |
|          | 3/6/2023   | AE65329     |                |                   | <1.80           |
|          | 4/11/2023  | AE65955     | 120            | 340               | <20.00          |
|          | 5/15/2023  | AE66591     |                |                   | <60.00          |
|          | 6/14/2023  | AE67178     |                |                   | <60.00          |
|          | 7/17/2023  | 40265339004 |                |                   | <11.60          |
|          | 8/17/2023  | AE68381     |                |                   | <11.60          |
|          | 9/21/2023  | AE68997     |                |                   | 13.80           |
|          | 10/30/2023 | AE69686     | 133            | 340               |                 |
| W76      | 10/5/2022  | AE63005     | 144            | 288               |                 |
|          | 1/30/2023  | AE64762     |                |                   | 5.00            |
|          | 3/6/2023   | AE65330     |                |                   | 2.00            |
|          | 4/11/2023  | AE65958     | 130            | 350               | <20.00          |
|          | 5/15/2023  | AE66592     |                |                   | <60.00          |
|          | 6/14/2023  | AE67179     |                |                   | <60.00          |
|          | 7/17/2023  | 40265339005 |                |                   | <11.60          |
|          | 8/17/2023  | AE68382     |                |                   | <11.60          |
|          | 9/21/2023  | AE68998     |                |                   | 12.50           |
|          | 10/30/2023 | AE69688     | 139            | 344               |                 |
| W77      | 10/5/2022  | AE63008     | 132            | 328               |                 |
|          | 1/30/2023  | AE64763     |                |                   | 4.80            |

### Pleasant Prairie Ash LF **Table 2. Analytical Results - Baseline and CCR Parameters**

Date Range: 10/01/2022 to 12/31/2023

| Lab Methods | :          |             | Sulfate, total, mg/L | TDS, mg/L | Zinc, tot, ug/L |
|-------------|------------|-------------|----------------------|-----------|-----------------|
| W77         | 3/6/2023   | AE65331     |                      |           | <1.80           |
|             | 4/11/2023  | AE65956     | 130                  | 360       | <20.00          |
|             | 5/15/2023  | AE66593     |                      |           | <60.00          |
|             | 6/14/2023  | AE67180     |                      |           | <60.00          |
|             | 7/17/2023  | 40265339006 |                      |           | <11.60          |
|             | 8/17/2023  | AE68383     |                      |           | <11.60          |
|             | 9/21/2023  | AE68999     |                      |           | <11.60          |
|             | 10/30/2023 | AE69689     | 135                  | 366       |                 |

### **FIGURES**



UNIT BOUNDARY

CCR DOWNGRADIENT MONITORING WELL LOCATION

CCR UPGRADIENT
MONITORING WELL LOCATION

#### **MONITORING WELL LOCATION MAP**

2023 CCR ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
PLEASANT PRAIRIE POWER PLANT
ASH LANDFILL
PLEASANT PRAIRIE, WISCONSIN

FIGURE 1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



IMAGERY DATE = 6/23/2022 0 150 300 L Feet



UNIT BOUNDARY

BEDROCK UNIT (UPPERMOST AQUIFER) CCR MONITORING WELL LOCATION

GROUNDWATER ELEVATION CONTOUR (1-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 5, 2022

2023 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PLEASANT PRAIRIE POWER PLANT ASH LANDFILL

PLEASANT PRAIRIE, WISCONSIN

### FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



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

| OCTOBER 2022     | V = K          | i / n <sub>e</sub> | V = Groundwater Velocity   |           |   |                 |       |
|------------------|----------------|--------------------|--|-----------|---|-----------------|-------|
|                  |                |                    | K = Hydraulic Conductivity   |           |   |                 |       |
| UPPERMOST AQUI   | FER            |                    | $i$ = Hydraulic Gradient (unitless value) $n_e$ = Effective Porosity |           |   |                 |       |
| Contours         | 666.0 to       | 665.0              | North to Northeast Across the Landfill                               | Elevation |   | Distance        |       |
| K =              | 1.04E+03 ft/yr | Geometric mear     | า  | Change    |   | Change          |       |
| i =              | 0.006          | between contou     | rs identified above  | (ft)      |   | (ft)            |       |
| n <sub>e</sub> = | 25 %           |                    |  |           | 1 | / 180           | 0.006 |
| V =              | 1.04E+03 *     | 5.56E-03           | _  |           |   |                 |       |
|                  | 0.25           |                    |  |           |   |                 |       |
| V =              | 23 feet/ye     | ear                |  |           |   | 14 /2022 O NIME |       |

[O: KLT 1/31/2023, C:NMD 1/31/2023]



UNIT BOUNDARY

BEDROCK UNIT (UPPERMOST AQUIFER) CCR MONITORING WELL LOCATION

GROUNDWATER ELEVATION CONTOUR (1-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 11, 2023

2023 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

| APRIL 2023       | V = K          | i / n <sub>e</sub> | V = Groundwater Velocity  |           |          |       |
|------------------|----------------|--------------------|---|-----------|----------|-------|
|                  |                |                    | K = Hydraulic Conductivity  |           |          |       |
| UPPERMOST AQUI   | FER            |                    | $ i = \mbox{Hydraulic Gradient (unitless value)} \\ n_e = \mbox{Effective Porosity} $ |           |          |       |
| Contours         | 672.5 to       | 672.0              | North to Northeast Across the Landfill  | Elevation | Distance |       |
| K =              | 1.04E+03 ft/yr | Geometric mean     | n for Landfill 3 (all)  | Change    | Change   |       |
| i =              | 0.004          | between contou     | rs identified above   | (ft)      | (ft)     |       |
| n <sub>e</sub> = | 25 %           |                    |   | 0.5       | / 137    | 0.004 |
| V =              | 1.04E+03 *     | 3.65E-03           | _   |           |          |       |
|                  | 0.25           |                    |   |           |          |       |
| V =              | 15 feet/ye     | ear                |   |           |          |       |

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





UNIT BOUNDARY

BEDROCK UNIT (UPPERMOST AQUIFER) CCR MONITORING WELL LOCATION

GROUNDWATER ELEVATION CONTOUR (1-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 26 AND 30, 2023

2023 CCR ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PLEASANT PRAIRIE POWER PLANT ASH LANDFILL

PLEASANT PRAIRIE, WISCONSIN

### FIGURE 4

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.



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

| OCTOBER 2023     | V = K          | i / n <sub>e</sub> | V = Groundwater Velocity   |           |          |       |
|------------------|----------------|--------------------|--|-----------|----------|-------|
|                  |                |                    | K = Hydraulic Conductivity   |           |          |       |
| UPPERMOST AQUI   | IFER           |                    | i = Hydraulic Gradient (unitless value)<br>n <sub>e</sub> = Effective Porosity |           |          |       |
| Contours         | 665.5 to       | 665.0              | North to Northeast Across the Landfill   | Elevation | Distance |       |
| K =              | 1.04E+03 ft/yr | Geometric mea      | n for Landfill 3 (all)   | Change    | Change   |       |
| i =              | 0.005          | between contou     | urs identified above   | (ft)      | (ft)     |       |
| n <sub>e</sub> = | 25 %           |                    |  | 0.5       | / 106    | 0.005 |
| V =              | 1.04E+03 *     | 4.72E-03           | _  |           |          |       |
| _                | 0.25           |                    |  |           |          |       |
| V =              | 20 feet/ye     | ear                |  |           |          |       |

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



### APPENDIX A LABORATORY REPORTS

To: Eric Kovatch

Sample Description:

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Wednesday, January 24, 2024

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

W20D P4 Landfill CCR Well Sample

Sample ID: AE64759 Sample Collection Date/Time: 01/30/2023 09:19
Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

| <u>Parameter</u>          | <u>Result</u> | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|---------------------------|---------------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level         | 17.76         | 0.05       | feet         |            | 1          |                       | H2OD                      | 1/30/23                 | RAMBOLL        |
| Field Temperature         | 9.4           | 0.1        | Degrees      | (          | 1          |                       | TEMP                      | 1/30/23                 | RAMBOLL        |
| Field Conductivity        | 163           | 0          | umhos        |            | 1          |                       | FCOND25                   | 1/30/23                 | RAMBOLL        |
| Field pH                  | 7.6           | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 1/30/23                 | RAMBOLL        |
| Total Alkalinity as CaCO3 | 111           | 20         | mg/L         |            | 1          |                       | SM 2320 B-1997            | 2/13/23                 | C153278        |
| Nitrate-Nitrite as N      | 0.95          | 0.011      | mg/L         | 0.036      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Nitrate as N              | 0.95          | 0.008      | mg/L         | 0.027      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Nitrite as N              | Less Than     | 0.003      | mg/L         | 0.009      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Total Silver              | Less Than     | 2.6        | ug/L         | 8.7        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Copper              | Less Than     | 0.65       | ug/L         | 2.2        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Manganese           | 46            | 0.27       | ug/L         | 0.90       | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Calcium             | 25000         | 1.2        | ug/L         | 4.0        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Magnesium           | 16000         | 3.5        | ug/L         | 12         | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Zinc                | 4.5           | 1.8        | ug/L         | 6.0        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Hardness as CaCO3   | 130           | 1          | mg/L         |            | 1          |                       | Std Mtd 2340B             | 3/1/23                  | CMW            |
|                           |               |            |              |            |            |                       |                           |                         |                |

Sample Comments:

Sample Description: W73 P4 Landfill CCR Well Sample

Sample ID: AE64760 Sample Collection Date/Time: 01/30/2023 14:47
Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

| <u>Parameter</u>          | <u>Result</u> | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|---------------------------|---------------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level         | 22.25         | 0.05       | feet         |            | 1          |                       | H2OD                      | 1/30/23                 | RAMBOLL        |
| Field Temperature         | 7.1           | 0.1        | Degrees      | 1          | 1          |                       | TEMP                      | 1/30/23                 | RAMBOLL        |
| Field Conductivity        | 562           | 0          | umhos        |            | 1          |                       | FCOND25                   | 1/30/23                 | RAMBOLL        |
| Field pH                  | 8.1           | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 1/30/23                 | RAMBOLL        |
| Total Alkalinity as CaCO3 | 114           | 20         | mg/L         |            | 1          |                       | SM 2320 B-1997            | 2/13/23                 | C153278        |
| Nitrate-Nitrite as N      | 0.13          | 0.011      | mg/L         | 0.036      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Nitrate as N              | 0.13          | 0.008      | mg/L         | 0.027      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Nitrite as N              | Less Than     | 0.003      | mg/L         | 0.009      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Total Silver              | Less Than     | 2.6        | ug/L         | 8.7        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Copper              | 0.95          | 0.65       | ug/L         | 2.2        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Manganese           | 8.7           | 0.27       | ug/L         | 0.90       | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Calcium             | 20000         | 1.2        | ug/L         | 4.0        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Magnesium           | 13000         | 3.5        | ug/L         | 12         | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |

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

| Sample Description: | W73 | P4 Landfill CCR Well Sample |
|---------------------|-----|-----------------------------|
|---------------------|-----|-----------------------------|

Sample ID: AE64760 Sample Collection Date/Time: 01/30/2023 14:47
Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

|                         |        |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|--------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Total Zinc              | 12     | 1.8        | ug/L         | 6.0        | 1          |             | EPA 200.7     | 2/22/23     | EDL            |
| Total Hardness as CaCO3 | 100    | 1          | mg/L         |            | 1          |             | Std Mtd 2340B | 3/1/23      | CMW            |

Sample Comments:

Sample Description: W75 P4 Landfill CCR Well Sample

Sample ID: AE64761 Sample Collection Date/Time: 01/30/2023 11:11
Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|---------------------------|-----------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level         | 22.04     | 0.05       | feet         |            | 1          |                       | H2OD                      | 1/30/23                 | RAMBOLL        |
| Field Temperature         | 9.2       | 0.1        | Degrees      |            | 1          |                       | TEMP                      | 1/30/23                 | RAMBOLL        |
| Field Conductivity        | 467       | 0          | umhos        |            | 1          |                       | FCOND25                   | 1/30/23                 | RAMBOLL        |
| Field pH                  | 8.2       | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 1/30/23                 | RAMBOLL        |
| Total Alkalinity as CaCO3 | 121       | 20         | mg/L         |            | 1          |                       | SM 2320 B-1997            | 2/13/23                 | C153278        |
| Nitrate-Nitrite as N      | 0.15      | 0.011      | mg/L         | 0.036      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Nitrate as N              | 0.15      | 0.008      | mg/L         | 0.027      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM            |
| Total Silver              | Less Than | 2.6        | ug/L         | 8.7        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Copper              | Less Than | 0.65       | ug/L         | 2.2        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Manganese           | 11        | 0.27       | ug/L         | 0.90       | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Calcium             | 20000     | 1.2        | ug/L         | 4.0        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Magnesium           | 13000     | 3.5        | ug/L         | 12         | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Zinc                | 4.0       | 1.8        | ug/L         | 6.0        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL            |
| Total Hardness as CaCO3   | 100       | 1          | mg/L         |            | 1          |                       | Std Mtd 2340B             | 3/1/23                  | CMW            |

Sample Comments:

| Sample Description: | W76        | P4 Landfill CCR Well | Sample             |
|---------------------|------------|----------------------|--------------------|
| C1- ID:             | A E ( 47 ( | 2                    | C1- C-11+: D-4-/T: |

Sample ID: AE64762 Sample Collection Date/Time: 01/30/2023 12:37 Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | Analyst |
|---------------------------|-----------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|---------|
| Field Water Level         | 23.50     | 0.05       | feet         |            | 1          |                       | H2OD                      | 1/30/23                 | RAMBOLL |
| Field Temperature         | 9.1       | 0.1        | Degrees      |            | 1          |                       | TEMP                      | 1/30/23                 | RAMBOLL |
| Field Conductivity        | 563       | 0          | umhos        |            | 1          |                       | FCOND25                   | 1/30/23                 | RAMBOLL |
| Field pH                  | 8.3       | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 1/30/23                 | RAMBOLL |
| Total Alkalinity as CaCO3 | 115       | 20         | mg/L         |            | 1          |                       | SM 2320 B-1997            | 2/13/23                 | C153278 |
| Nitrate-Nitrite as N      | 0.14      | 0.011      | mg/L         | 0.036      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM     |
| Nitrate as N              | 0.14      | 0.008      | mg/L         | 0.027      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM     |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009      | 1          |                       | EPA 300.0                 | 1/31/23                 | JLM     |
| Total Silver              | Less Than | 2.6        | ug/L         | 8.7        | 1          |                       | EPA 200.7                 | 2/22/23                 | EDL     |

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

| Sample Description: W70 | 6 P4 Landfill CC | CR Well Sample |
|-------------------------|------------------|----------------|
|-------------------------|------------------|----------------|

Sample ID: AE64762 Sample Collection Date/Time: 01/30/2023 12:37 Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

|                         |           |            |              |      |            | Result | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------|------------|--------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <b>LOD</b> | <u>Units</u> | LOQ  | <u>DIL</u> | Flag   | Method        | <u>Date</u> | <u>Analyst</u> |
| Total Copper            | Less Than | 0.65       | ug/L         | 2.2  | 1          |        | EPA 200.7     | 2/22/23     | EDL            |
| Total Manganese         | 35        | 0.27       | ug/L         | 0.90 | 1          |        | EPA 200.7     | 2/22/23     | EDL            |
| Total Calcium           | 19000     | 1.2        | ug/L         | 4.0  | 1          |        | EPA 200.7     | 2/22/23     | EDL            |
| Total Magnesium         | 12000     | 3.5        | ug/L         | 12   | 1          |        | EPA 200.7     | 2/22/23     | EDL            |
| Total Zinc              | 5.0       | 1.8        | ug/L         | 6.0  | 1          |        | EPA 200.7     | 2/22/23     | EDL            |
| Total Hardness as CaCO3 | 97        | 1          | mg/L         |      | 1          |        | Std Mtd 2340B | 3/1/23      | CMW            |

Sample Comments:

Sample Description: W77 P4 Landfill CCR Well Sample

Sample ID: AE64763 Sample Collection Date/Time: 01/30/2023 13:49
Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |       |     | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|-----|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | DIL | <u>Flag</u> | Method         | <u>Date</u> | <b>Analyst</b> |
| Field Water Level         | 18.15     | 0.05       | feet         |       | 1   |             | H2OD           | 1/30/23     | RAMBOLL        |
| Field Temperature         | 9.1       | 0.1        | Degrees      | I     | 1   |             | TEMP           | 1/30/23     | RAMBOLL        |
| Field Conductivity        | 637       | 0          | umhos        |       | 1   |             | FCOND25        | 1/30/23     | RAMBOLL        |
| Field pH                  | 7.7       | 0.1        | Units        | 0.1   | 1   |             | FIELDPH        | 1/30/23     | RAMBOLL        |
| Total Alkalinity as CaCO3 | 150       | 20         | mg/L         |       | 1   |             | SM 2320 B-1997 | 2/13/23     | C153278        |
| Nitrate-Nitrite as N      | 0.15      | 0.011      | mg/L         | 0.036 | 1   |             | EPA 300.0      | 1/31/23     | JLM            |
| Nitrate as N              | 0.15      | 0.008      | mg/L         | 0.027 | 1   |             | EPA 300.0      | 1/31/23     | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009 | 1   |             | EPA 300.0      | 1/31/23     | JLM            |
| Total Silver              | Less Than | 2.6        | ug/L         | 8.7   | 1   |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Copper              | 1.5       | 0.65       | ug/L         | 2.2   | 1   |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Manganese           | 90        | 0.27       | ug/L         | 0.90  | 1   |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Calcium             | 25000     | 1.2        | ug/L         | 4.0   | 1   |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Magnesium           | 14000     | 3.5        | ug/L         | 12    | 1   |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Zinc                | 4.8       | 1.8        | ug/L         | 6.0   | 1   |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Hardness as CaCO3   | 120       | 1          | mg/L         |       | 1   |             | Std Mtd 2340B  | 3/1/23      | CMW            |

Sample Comments:

| Sample Description: | OAOC1 | P4 Landfill CCR Well Sample |
|---------------------|-------|-----------------------------|

Sample ID: AE64764 Sample Collection Date/Time: 01/30/2023 13:54
Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |       |            | Result | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|--------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | <u>DIL</u> | Flag   | Method         | <u>Date</u> | <u>Analyst</u> |
| Total Alkalinity as CaCO3 | 147       | 20         | mg/L         |       | 1          |        | SM 2320 B-1997 | 2/13/23     | C153278        |
| Nitrate-Nitrite as N      | 0.45      | 0.011      | mg/L         | 0.036 | 1          |        | EPA 300.0      | 1/31/23     | JLM            |
| Nitrate as N              | 0.45      | 0.008      | mg/L         | 0.027 | 1          |        | EPA 300.0      | 1/31/23     | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009 | 1          |        | EPA 300.0      | 1/31/23     | JLM            |
| Total Silver              | Less Than | 2.6        | ug/L         | 8.7   | 1          |        | EPA 200.7      | 2/22/23     | EDL            |

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

Sample Description: QAQC1 P4 Landfill CCR Well Sample

Sample ID: AE64764 Sample Collection Date/Time: 01/30/2023 13:54
Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

|                         |           |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Total Copper            | Less Than | 0.65       | ug/L         | 2.2        | 1          |             | EPA 200.7     | 2/22/23     | EDL            |
| Total Manganese         | 89        | 0.27       | ug/L         | 0.90       | 1          |             | EPA 200.7     | 2/22/23     | EDL            |
| Total Calcium           | 25000     | 1.2        | ug/L         | 4.0        | 1          |             | EPA 200.7     | 2/22/23     | EDL            |
| Total Magnesium         | 14000     | 3.5        | ug/L         | 12         | 1          |             | EPA 200.7     | 2/22/23     | EDL            |
| Total Zinc              | 2.1       | 1.8        | ug/L         | 6.0        | 1          |             | EPA 200.7     | 2/22/23     | EDL            |
| Total Hardness as CaCO3 | 120       | 1          | mg/L         |            | 1          |             | Std Mtd 2340B | 3/1/23      | CMW            |

Sample Comments:

Sample Description: EB1 P4 Landfill CCR Well Sample

Sample ID: AE64765 Sample Collection Date/Time: 01/30/2023 15:30 Sample Received: 01/30/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |       |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | <u>Method</u>  | <u>Date</u> | <b>Analyst</b> |
| Total Alkalinity as CaCO3 | Less Than | 20         | mg/L         |       | 1          |             | SM 2320 B-1997 | 2/13/23     | C153278        |
| Nitrate-Nitrite as N      | Less Than | 0.011      | mg/L         | 0.036 | 1          |             | EPA 300.0      | 1/31/23     | JLM            |
| Nitrate as N              | Less Than | 0.008      | mg/L         | 0.027 | 1          |             | EPA 300.0      | 1/31/23     | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009 | 1          |             | EPA 300.0      | 1/31/23     | JLM            |
| Total Silver              | Less Than | 2.6        | ug/L         | 8.7   | 1          |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Copper              | 0.78      | 0.65       | ug/L         | 2.2   | 1          |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Manganese           | 0.43      | 0.27       | ug/L         | 0.90  | 1          |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Calcium             | 300       | 1.2        | ug/L         | 4.0   | 1          |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Magnesium           | 130       | 3.5        | ug/L         | 12    | 1          |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Zinc                | Less Than | 1.8        | ug/L         | 6.0   | 1          |             | EPA 200.7      | 2/22/23     | EDL            |
| Total Hardness as CaCO3   | 1.3       | 1          | mg/L         |       | 1          |             | Std Mtd 2340B  | 3/1/23      | CMW            |

Sample Comments:

LOD and LOQ are adjusted for dilution factor.

If there are any questions concerning this report, please contact: Laboratory Services at (414) 221-4595.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

To: Eric Kovatch

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Wednesday, January 24, 2024

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

Sample Description: W20D P4 Landfill CCR Well Sample

Sample ID: AE65326 Sample Collection Date/Time: 03/06/2023 09:16
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

| _                         |           | _          |              |            |     |             |                |             |                |
|---------------------------|-----------|------------|--------------|------------|-----|-------------|----------------|-------------|----------------|
|                           |           |            |              |            |     | Result      | Analysis       | Analysis    |                |
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | DIL | <u>Flag</u> | <u>Method</u>  | <u>Date</u> | <u>Analyst</u> |
| Field Water Level         | 17.29     | 0.05       | feet         |            | 1   |             | H2OD           | 3/6/23      | RAMBOLL        |
| Field Temperature         | 10        | 0.1        | Degrees      | (          | 1   |             | TEMP           | 3/6/23      | RAMBOLL        |
| Field Conductivity        | 598       | 0          | umhos        |            | 1   |             | FCOND25        | 3/6/23      | RAMBOLL        |
| Field pH                  | 8.1       | 0.1        | Units        | 0.1        | 1   |             | FIELDPH        | 3/6/23      | RAMBOLL        |
| Total Calcium             | 25500     | 12.4       | ug/L         | 41.4       | 1   |             | EPA 200.7      | 3/23/23     | EDL            |
| Total Zinc                | Less Than | 1.4        | ug/L         | 4.7        | 1   |             | EPA 200.7      | 3/23/23     | EDL            |
| Total Silver              | Less Than | 0.8        | ug/L         | 2.8        | 1   |             | EPA 200.7      | 3/23/23     | EDL            |
| Total Manganese           | 37        | 0.2        | ug/L         | 0.7        | 1   |             | EPA 200.7      | 3/23/23     | EDL            |
| Total Magnesium           | 16500     | 7.1        | ug/L         | 24         | 1   |             | EPA 200.7      | 3/23/23     | EDL            |
| Total Copper              | Less Than | 1.6        | ug/L         | 5.2        | 1   |             | EPA 200.7      | 3/23/23     | EDL            |
| Nitrate-Nitrite as N      | 0.1585    | 0.011      | mg/L         | 0.036      | 1   |             | EPA 300.0      | 3/15/23     | JLM            |
| Total Alkalinity as CaCO3 | 118       | 20         | mg/L         |            | 1   |             | SM 2320 B-1997 | 3/14/23     | C153278        |
| Nitrate as N              | 0.16      | 0.008      | mg/L         | 0.027      | 1   |             | EPA 353.2      | 3/15/23     | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009      | 1   |             | EPA 300.0      | 3/15/23     | JLM            |
| Total Hardness as CaCO3   | 130       | 1          | mg/L         |            | 1   |             | Std Mtd 2340B  | 3/23/23     | EDL            |
|                           |           |            |              |            |     |             |                |             |                |

Sample Comments:

Sample Description: W73 P4 Landfill CCR Well Sample

Sample ID: AE65327 Sample Collection Date/Time: 03/06/2023 13:11
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

| <u>Parameter</u>          | <u>Result</u> | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|---------------------------|---------------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level         | 21.24         | 0.05       | feet         |            | 1          |                       | H2OD                      | 3/6/23                  | RAMBOLL        |
| Field Temperature         | 11            | 0.1        | Degrees      |            | 1          |                       | TEMP                      | 3/6/23                  | RAMBOLL        |
| Field Conductivity        | 504           | 0          | umhos        |            | 1          |                       | FCOND25                   | 3/6/23                  | RAMBOLL        |
| Field pH                  | 8.7           | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 3/6/23                  | RAMBOLL        |
| Total Calcium             | 23700         | 43         | ug/L         | 140        | 1          |                       | EPA 200.7                 | 3/23/23                 | EDL            |
| Total Alkalinity as CaCO3 | 116           | 20         | mg/L         |            | 1          |                       | SM 2320 B-1997            | 3/14/23                 | C153278        |
| Total Zinc                | 5             | 1.8        | ug/L         | 6.0        | 1          |                       | EPA 200.7                 | 3/23/23                 | EDL            |
| Total Silver              | Less Than     | 1.2        | ug/L         | 4.0        | 1          |                       | EPA 200.7                 | 3/23/23                 | EDL            |
| Total Manganese           | 26            | 0.11       | ug/L         | 0.38       | 1          |                       | EPA 200.7                 | 3/23/23                 | EDL            |
| Total Magnesium           | 14700         | 7.1        | ug/L         | 24         | 1          |                       | EPA 200.7                 | 3/23/23                 | EDL            |
| Total Copper              | 2             | 1.6        | ug/L         | 5.2        | 1          | J                     | EPA 200.7                 | 3/23/23                 | EDL            |
| Nitrate-Nitrite as N      | 0.1290        | 0.011      | mg/L         | 0.036      | 1          |                       | EPA 300.0                 | 3/14/23                 | JLM            |
| Nitrate as N              | 0.13          | 0.008      | mg/L         | 0.027      | 1          |                       | EPA 353.2                 | 3/14/23                 | JLM            |

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

Sample Description: W73 P4 Landfill CCR Well Sample

Sample ID: AE65327 Sample Collection Date/Time: 03/06/2023 13:11
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                         |           |            |              |            |     | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|-----|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | DIL | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Nitrite as N            | Less Than | 0.003      | mg/L         | 0.009      | 1   |             | EPA 300.0     | 3/14/23     | JLM            |
| Total Hardness as CaCO3 | 120       | 1          | mg/L         |            | 1   |             | Std Mtd 2340B | 5/1/23      | EDL            |

Sample Comments:

Sample Description: W74 P4 Landfill CCR Well Sample

Sample ID: AE65328 Sample Collection Date/Time: 03/06/2023 10:10
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |       |            | Result | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|--------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | Flag   | Method         | <u>Date</u> | <b>Analyst</b> |
| Field Water Level         | 18.29     | 0.05       | feet         |       | 1          |        | H2OD           | 3/6/23      | RAMBOLL        |
| Field Temperature         | 10        | 0.1        | Degrees      |       | 1          |        | TEMP           | 3/6/23      | RAMBOLL        |
| Field Conductivity        | 559       | 0          | umhos        |       | 1          |        | FCOND25        | 3/6/23      | RAMBOLL        |
| Field pH                  | 8.2       | 0.1        | Units        | 0.1   | 1          |        | FIELDPH        | 3/6/23      | RAMBOLL        |
| Total Calcium             | 19600     | 43         | ug/L         | 140   | 1          |        | EPA 200.7      | 4/25/23     | EDL            |
| Total Alkalinity as CaCO3 | 114       | 20         | mg/L         |       | 1          |        | SM 2320 B-1997 | 3/14/23     | C153278        |
| Total Zinc                | 2         | 1.8        | ug/L         | 6.0   | 1          | J      | EPA 200.7      | 4/25/23     | EDL            |
| Total Silver              | Less Than | 1.2        | ug/L         | 4.0   | 1          |        | EPA 200.7      | 4/27/23     | JLM            |
| Total Manganese           | 24        | 0.11       | ug/L         | 0.38  | 1          |        | EPA 200.7      | 4/25/23     | EDL            |
| Total Magnesium           | 15200     | 7.1        | ug/L         | 24    | 1          |        | EPA 200.7      | 4/25/23     | EDL            |
| Total Copper              | Less Than | 1.6        | ug/L         | 5.2   | 1          |        | EPA 200.7      | 4/25/23     | EDL            |
| Nitrate-Nitrite as N      | 0.1569    | 0.011      | mg/L         | 0.036 | 1          |        | EPA 300.0      | 3/14/23     | JLM            |
| Nitrate as N              | 0.16      | 0.008      | mg/L         | 0.027 | 1          |        | EPA 353.2      | 3/14/23     | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009 | 1          |        | EPA 300.0      | 3/14/23     | JLM            |
| Total Hardness as CaCO3   | 110       | 1          | mg/L         |       | 1          |        | Std Mtd 2340B  | 4/25/23     | EDL            |
|                           |           |            |              |       |            |        |                |             |                |

Sample Comments:

Sample Description: W75 P4 Landfill CCR Well Sample

Sample ID: AE65329 Sample Collection Date/Time: 03/06/2023 10:45

Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

Result Analysis Analysis DIL Result **LOD** Units LOQ Flag Method **Date Analyst Parameter** Field Water Level 20.95 0.05 H2OD 3/6/23 RAMBOLL feet Field Temperature 10 0.1 1 TEMP 3/6/23 RAMBOLL Degrees ( Field Conductivity 515 0 umhos FCOND25 3/6/23 RAMBOLL RAMBOLL Field pH 8.3 0.1 Units 0.1 **FIELDPH** 3/6/23 Total Calcium 20200 43 ug/L 140 EPA 200.7 4/25/23 EDL C153278 Total Alkalinity as CaCO3 3/14/23 126 20 mg/L SM 2320 B-1997 EDL 4/25/23 Total Zinc Less Than 1.8 ug/L 6.0 EPA 200.7 Less Than Total Silver 1.2 ug/L 4.0 EPA 200.7 4/27/23 JLM 12 0.11 EPA 200.7 4/25/23 EDL Total Manganese ug/L 0.38

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

| Sample Description: | W75 | P4 Landfill CCR Well Sample |
|---------------------|-----|-----------------------------|

Sample ID: AE65329 Sample Collection Date/Time: 03/06/2023 10:45
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                         |           |            |              |       |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|-------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Total Magnesium         | 13600     | 7.1        | ug/L         | 24    | 1          |             | EPA 200.7     | 4/25/23     | EDL            |
| Total Copper            | Less Than | 1.6        | ug/L         | 5.2   | 1          |             | EPA 200.7     | 4/25/23     | EDL            |
| Nitrate-Nitrite as N    | 0.1306    | 0.011      | mg/L         | 0.036 | 1          |             | EPA 300.0     | 3/14/23     | JLM            |
| Nitrate as N            | 0.13      | 0.008      | mg/L         | 0.027 | 1          |             | EPA 353.2     | 3/14/23     | JLM            |
| Nitrite as N            | Less Than | 0.003      | mg/L         | 0.009 | 1          |             | EPA 300.0     | 3/14/23     | JLM            |
| Total Hardness as CaCO3 | 110       | 1          | mg/L         |       | 1          |             | Std Mtd 2340B | 4/25/23     | EDL            |

Sample Comments:

Sample Description: W76 P4 Landfill CCR Well Sample

Sample ID: AE65330 Sample Collection Date/Time: 03/06/2023 11:26 Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |            |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <u>Analyst</u> |
| Field Water Level         | 22.45     | 0.05       | feet         |            | 1          |             | H2OD           | 3/6/23      | RAMBOLL        |
| Field Temperature         | 9.8       | 0.1        | Degrees (    |            | 1          |             | TEMP           | 3/6/23      | RAMBOLL        |
| Field Conductivity        | 517       | 0          | umhos        |            | 1          |             | FCOND25        | 3/6/23      | RAMBOLL        |
| Field pH                  | 8.8       | 0.1        | Units        | 0.1        | 1          |             | FIELDPH        | 3/6/23      | RAMBOLL        |
| Total Calcium             | 19400     | 43         | ug/L         | 140        | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Alkalinity as CaCO3 | 118       | 20         | mg/L         |            | 1          |             | SM 2320 B-1997 | 3/14/23     | C153278        |
| Total Zinc                | 2         | 1.8        | ug/L         | 6.0        | 1          | J           | EPA 200.7      | 4/25/23     | EDL            |
| Total Silver              | Less Than | 1.2        | ug/L         | 4.0        | 1          |             | EPA 200.7      | 4/27/23     | JLM            |
| Total Manganese           | 30        | 0.11       | ug/L         | 0.38       | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Magnesium           | 12500     | 7.1        | ug/L         | 24         | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Copper              | Less Than | 1.6        | ug/L         | 5.2        | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Nitrate-Nitrite as N      | 0.1319    | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0      | 3/14/23     | JLM            |
| Nitrate as N              | 0.13      | 0.008      | mg/L         | 0.027      | 1          |             | EPA 353.2      | 3/14/23     | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009      | 1          |             | EPA 300.0      | 3/14/23     | JLM            |
| Total Hardness as CaCO3   | 100       | 1          | mg/L         |            | 1          |             | Std Mtd 2340B  | 4/25/23     | EDL            |

Sample Comments:

| Sample Description: | W77 | P4 Landfill CCR Well Sample |
|---------------------|-----|-----------------------------|
|---------------------|-----|-----------------------------|

Sample ID: AE65331 Sample Collection Date/Time: 03/06/2023 12:08
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                    |        |            |              |     |     | Result      | Analysis  | Analysis    |                |
|--------------------|--------|------------|--------------|-----|-----|-------------|-----------|-------------|----------------|
| <u>Parameter</u>   | Result | <b>LOD</b> | <u>Units</u> | LOQ | DIL | <u>Flag</u> | Method    | <u>Date</u> | <b>Analyst</b> |
| Field Water Level  | 17.18  | 0.05       | feet         |     | 1   |             | H2OD      | 3/6/23      | RAMBOLL        |
| Field Temperature  | 11     | 0.1        | Degrees (    |     | 1   |             | TEMP      | 3/6/23      | RAMBOLL        |
| Field Conductivity | 560    | 0          | umhos        |     | 1   |             | FCOND25   | 3/6/23      | RAMBOLL        |
| Field pH           | 7.9    | 0.1        | Units        | 0.1 | 1   |             | FIELDPH   | 3/6/23      | RAMBOLL        |
| Total Calcium      | 25100  | 43         | ug/L         | 140 | 1   |             | EPA 200.7 | 4/25/23     | EDL            |

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

| Sample Description: | W77 | P4 Landfill CCR Well Sample |
|---------------------|-----|-----------------------------|
|---------------------|-----|-----------------------------|

Sample ID: AE65331 Sample Collection Date/Time: 03/06/2023 12:08
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |       |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <u>Analyst</u> |
| Total Alkalinity as CaCO3 | 157       | 20         | mg/L         |       | 1          |             | SM 2320 B-1997 | 3/14/23     | C153278        |
| Total Zinc                | Less Than | 1.8        | ug/L         | 6.0   | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Silver              | Less Than | 1.2        | ug/L         | 4.0   | 1          |             | EPA 200.7      | 4/27/23     | JLM            |
| Total Manganese           | 73        | 0.11       | ug/L         | 0.38  | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Magnesium           | 13900     | 7.1        | ug/L         | 24    | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Copper              | Less Than | 1.6        | ug/L         | 5.2   | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Nitrate-Nitrite as N      | 0.1285    | 0.011      | mg/L         | 0.036 | 1          |             | EPA 300.0      | 3/14/23     | JLM            |
| Nitrate as N              | 0.13      | 0.008      | mg/L         | 0.027 | 1          |             | EPA 353.2      | 3/14/23     | JLM            |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009 | 1          |             | EPA 300.0      | 3/14/23     | JLM            |
| Total Hardness as CaCO3   | 120       | 1          | mg/L         |       | 1          |             | Std Mtd 2340B  | 4/25/23     | EDL            |

Sample Comments:

Sample Description: QA/QC 1 P4 Landfill CCR Well Sample

Sample ID: AE65332 Sample Collection Date/Time: 03/06/2023 10:50 Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |       |            | Result      | Analysis       | Analysis    |         |
|---------------------------|-----------|------------|--------------|-------|------------|-------------|----------------|-------------|---------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | Analyst |
| Total Calcium             | 20300     | 43         | ug/L         | 140   | 1          |             | EPA 200.7      | 4/25/23     | EDL     |
| Total Alkalinity as CaCO3 | 124       | 20         | mg/L         |       | 1          |             | SM 2320 B-1997 | 3/14/23     | C153278 |
| Total Zinc                | Less Than | 1.8        | ug/L         | 6.0   | 1          |             | EPA 200.7      | 4/25/23     | EDL     |
| Total Silver              | Less Than | 1.2        | ug/L         | 4.0   | 1          |             | EPA 200.7      | 4/27/23     | JLM     |
| Total Manganese           | 12        | 0.11       | ug/L         | 0.38  | 1          |             | EPA 200.7      | 4/25/23     | EDL     |
| Total Magnesium           | 13700     | 7.1        | ug/L         | 24    | 1          |             | EPA 200.7      | 4/25/23     | EDL     |
| Total Copper              | Less Than | 1.6        | ug/L         | 5.2   | 1          |             | EPA 200.7      | 4/25/23     | EDL     |
| Nitrate-Nitrite as N      | 0.1165    | 0.011      | mg/L         | 0.036 | 1          |             | EPA 300.0      | 3/14/23     | JLM     |
| Nitrate as N              | 0.12      | 0.008      | mg/L         | 0.027 | 1          |             | EPA 353.2      | 3/14/23     | JLM     |
| Nitrite as N              | Less Than | 0.003      | mg/L         | 0.009 | 1          |             | EPA 300.0      | 3/14/23     | JLM     |
| Total Hardness as CaCO3   | 110       | 1          | mg/L         |       | 1          |             | Std Mtd 2340B  | 4/25/23     | EDL     |
|                           |           |            |              |       |            |             |                |             |         |

Sample Comments:

Sample Description: EB1 P4 Landfill CCR Well Sample

Sample ID: AE65333 Sample Collection Date/Time: 03/06/2023 13:48 Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |            |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <u>Analyst</u> |
| Total Calcium             | 148       | 43         | ug/L         | 140        | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Alkalinity as CaCO3 | 1.91      | 20         | mg/L         |            | 1          |             | SM 2320 B-1997 | 3/14/23     | C153278        |
| Total Zinc                | Less Than | 1.8        | ug/L         | 6.0        | 1          |             | EPA 200.7      | 4/25/23     | EDL            |
| Total Silver              | Less Than | 1.2        | ug/L         | 4.0        | 1          |             | EPA 200.7      | 4/27/23     | JLM            |
| Total Manganese           | Less Than | 0.11       | ug/L         | 0.38       | 1          |             | EPA 200.7      | 4/25/23     | EDL            |

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

Sample Description: EB1 P4 Landfill CCR Well Sample
Sample ID: AE65333 Sample Collection Date/Time: 03/06/2023 13:48

Sample ID: AE65333 Sample Collection Date/Time: 03/06/2023 13:48
Sample Received: 03/06/2023 Sample Collector: KYLE SCHAEFER

|                         |           |            |              |       |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|-------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Total Magnesium         | 81        | 7.1        | ug/L         | 24    | 1          |             | EPA 200.7     | 4/25/23     | EDL            |
| Total Copper            | Less Than | 1.6        | ug/L         | 5.2   | 1          |             | EPA 200.7     | 4/25/23     | EDL            |
| Nitrate-Nitrite as N    | 0.0086    | 0.011      | mg/L         | 0.036 | 1          |             | EPA 300.0     | 3/14/23     | JLM            |
| Nitrate as N            | 0.0086    | 0.008      | mg/L         | 0.027 | 1          |             | EPA 353.2     | 3/14/23     | JLM            |
| Nitrite as N            | Less Than | 0.003      | mg/L         | 0.009 | 1          |             | EPA 300.0     | 3/14/23     | JLM            |
| Total Hardness as CaCO3 | 0.70      | 1          | mg/L         |       | 1          |             | Std Mtd 2340B | 4/25/23     | EDL            |

Sample Comments:

If there are any questions concerning this report, please contact:

Laboratory Services at (414) 221-4595.

LOD and LOQ are adjusted for dilution factor.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

To: Eric Kovatch

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Wednesday, January 24, 2024

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



| Sample Description:       | W-20D     | P4 Landfill ( | CCR Well Sa | mple           |            |            |             |                |             |                |
|---------------------------|-----------|---------------|-------------|----------------|------------|------------|-------------|----------------|-------------|----------------|
| Sample ID:                | AE65951   |               | Samp        | ole Collection | Date/Time: | 04/1       | 1/2023      | 09:09          |             |                |
| Sample Received:          | 04/12/202 | 3             | Samp        | ole Collector: |            | RAN        | MBOLL       |                |             |                |
|                           |           |               | . on        | · ·            | * 0.0      |            | Result      | Analysis       | Analysis    |                |
| <u>Parameter</u>          |           | Result        | <u>LOD</u>  | <u>Units</u>   | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <u>Analyst</u> |
| Field Water Level         |           | 17.21         | 0.05        | feet           |            | 1          |             | H2OD           | 4/11/23     | RAMBOLI        |
| Field Temperature         |           | 12.0          | 0.1         | Degrees        | l          | 1          |             | TEMP           | 4/11/23     | RAMBOLI        |
| Field Conductivity        |           | 620           | 0           | umhos          |            | 1          |             | FCOND25        | 4/11/23     | RAMBOLI        |
| Field pH                  |           | 7.8           | 0.1         | Units          | 0.1        | 1          |             | FIELDPH        | 4/11/23     | RAMBOLI        |
| Total Fluoride            |           | 1.0           | 0.6         | mg/L           | 2.0        | 20         | J           | EPA 300.0      | 4/13/23     | 057            |
| Total Chloride            |           | 11            | 1.0         | mg/L           | 3.4        | 20         |             | EPA 300.0      | 4/13/23     | 057            |
| Total Sulfate             |           | 170           | 2.0         | mg/L           | 6.8        | 20         |             | EPA 300.0      | 4/13/23     | 057            |
| Total Boron               |           | 460           | 10          | ug/L           | 50         | 1          |             | EPA 200.7      | 4/25/23     | 057            |
| Total Calcium             |           | 24000         | 40          | ug/L           | 100        | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Alkalinity as CaCO3 |           | 110           | 2           | mg/L           | 6          | 1          |             | SM 2320 B-1997 | 4/21/23     | 057            |
| Total Copper              |           | Less Than     | 4           | ug/L           | 10         | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Hardness as CaCO3   |           | 130           | 1           | mg/L           |            | 1          |             | Std Mtd 2340B  | 4/24/23     | 057            |
| Total Magnesium           |           | 16000         | 40          | ug/L           | 100        | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Manganese           |           | 30            | 4           | ug/L           | 10         | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Nitrate-Nitrite as N      |           | Less Than     | 0.40        | mg/L           | 0.72       | 20         |             | EPA 300.0      | 4/24/23     | 057            |
| Total Silver              |           | Less Than     | 20          | ug/L           | 70         | 1          |             | EPA 200.7      | 4/17/23     | 057            |
| Total Zinc                |           | Less Than     | 20          | ug/L           | 70         | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Dissolved Solids    |           | 380           | 10          | mg/L           | 10         | 1          | H1          | Std Mtd 2540 C | 4/20/23     | 057            |

| Sample Description:       | W-74      | P4 Landfil | ll CCR Well Sai            | mple          |            |            |              |                |             |                |
|---------------------------|-----------|------------|----------------------------|---------------|------------|------------|--------------|----------------|-------------|----------------|
| Sample ID:                | AE65954   |            | Sample Collection Date/Tim |               |            | 04/1       |              |                |             |                |
| Sample Received:          | 04/12/202 | 3          | Samp                       | le Collector: | :          | RAN        | <b>MBOLL</b> |                |             |                |
|                           |           |            |                            |               |            |            | Result       | Analysis       | Analysis    |                |
| <u>Parameter</u>          |           | Result     | <u>LOD</u>                 | <u>Units</u>  | <u>LOQ</u> | <u>DIL</u> | Flag         | Method         | <u>Date</u> | <u>Analyst</u> |
| Field Water Level         |           | 17.93      | 0.05                       | feet          |            | 1          |              | H2OD           | 4/11/23     | RAMBOLL        |
| Field Temperature         |           | 18.2       | 0.1                        | Degrees       | (          | 1          |              | TEMP           | 4/11/23     | RAMBOLL        |
| Field Conductivity        |           | 584        | 0                          | umhos         |            | 1          |              | FCOND25        | 4/11/23     | RAMBOLL        |
| Field pH                  |           | 7.5        | 0.1                        | Units         | 0.1        | 1          |              | FIELDPH        | 4/11/23     | RAMBOLL        |
| Total Fluoride            |           | 1.0        | 0.6                        | mg/L          | 2.0        | 20         | J            | EPA 300.0      | 4/13/23     | 057            |
| Total Chloride            |           | 14         | 1.0                        | mg/L          | 3.4        | 20         |              | EPA 300.0      | 4/13/23     | 057            |
| Total Sulfate             |           | 150        | 2.0                        | mg/L          | 6.8        | 20         |              | EPA 300.0      | 4/13/23     | 057            |
| Total Boron               |           | 410        | 10                         | ug/L          | 50         | 1          |              | EPA 200.7      | 4/25/23     | 057            |
| Total Calcium             |           | 19000      | 40                         | ug/L          | 100        | 1          |              | EPA 200.7      | 4/24/23     | 057            |
| Total Alkalinity as CaCO3 |           | 100        | 2                          | mg/L          | 6          | 1          |              | SM 2320 B-1997 | 4/21/23     | 057            |

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

P4 Landfill CCR Well Sample

W-74

| Sample ID:              | AE65954    | Samp       | le Collection | n Date/Time: | 04/1 | 1/2023         | 11:16              |                         |         |
|-------------------------|------------|------------|---------------|--------------|------|----------------|--------------------|-------------------------|---------|
| Sample Received:        | 04/12/2023 | Samp       | le Collector: |              | RAN  | MBOLL          |                    |                         |         |
| Parameter               | Result     | <u>LOD</u> | Units         | LOQ          | DIL  | Result<br>Flag | Analysis<br>Method | Analysis<br><u>Date</u> | Analyst |
|                         |            |            | /T            |              |      |                | EDA 200 7          |                         | 057     |
| Total Copper            | Less Than  | 4          | ug/L          | 10           | 1    |                | EPA 200.7          | 4/24/23                 | 057     |
| Total Hardness as CaCO3 | 110        | 1          | mg/L          |              | 1    |                | Std Mtd 2340B      | 4/24/23                 | 057     |
| Total Magnesium         | 15000      | 40         | ug/L          | 100          | 1    |                | EPA 200.7          | 4/24/23                 | 057     |
| Total Manganese         | 50         | 4          | ug/L          | 10           | 1    |                | EPA 200.7          | 4/24/23                 | 057     |
| Nitrate-Nitrite as N    | Less Than  | 0.40       | mg/L          | 0.72         | 20   |                | EPA 300.0          | 4/13/23                 | 057     |
| Total Silver            | Less Than  | 20         | ug/L          | 70           | 1    |                | EPA 200.7          | 4/17/23                 | 057     |
| Total Zinc              | Less Than  | 20         | ug/L          | 70           | 1    |                | EPA 200.7          | 4/24/23                 | 057     |
| Total Dissolved Solids  | 370        | 10         | mg/L          | 10           | 1    | H1             | Std Mtd 2540 C     | 4/20/23                 | 057     |

Sample Comments:

Sample Description:

| Sample Description:       | W-75      | P4 Landfill C | CR Well Sa | mple          |            |            |              |                |             |                |
|---------------------------|-----------|---------------|------------|---------------|------------|------------|--------------|----------------|-------------|----------------|
| Sample ID:                | AE65955   |               | Samp       | le Collection | Date/Time: | 04/1       | 1/2023       | 11:58          |             |                |
| Sample Received:          | 04/12/202 | 3             | Samp       | le Collector: |            | RAN        | <b>MBOLL</b> |                |             |                |
|                           |           |               |            |               |            |            | Result       | Analysis       | Analysis    |                |
| <u>Parameter</u>          |           | Result        | <b>LOD</b> | <u>Units</u>  | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u>  | Method         | <u>Date</u> | <u>Analyst</u> |
| Field Water Level         |           | 20.08         | 0.05       | feet          |            | 1          |              | H2OD           | 4/11/23     | RAMBOLL        |
| Field Temperature         |           | 11.7          | 0.1        | Degrees       |            | 1          |              | TEMP           | 4/11/23     | RAMBOLL        |
| Field Conductivity        |           | 530           | 0          | umhos         |            | 1          |              | FCOND25        | 4/11/23     | RAMBOLL        |
| Field pH                  |           | 8.1           | 0.1        | Units         | 0.1        | 1          |              | FIELDPH        | 4/11/23     | RAMBOLL        |
| Total Fluoride            |           | 1.0           | 0.6        | mg/L          | 2.0        | 20         | J            | EPA 300.0      | 4/13/23     | 057            |
| Total Chloride            |           | 8.9           | 1.0        | mg/L          | 3.4        | 20         |              | EPA 300.0      | 4/13/23     | 057            |
| Total Sulfate             |           | 120           | 2.0        | mg/L          | 6.8        | 20         |              | EPA 300.0      | 4/13/23     | 057            |
| Total Boron               |           | 430           | 10         | ug/L          | 50         | 1          |              | EPA 200.7      | 4/25/23     | 057            |
| Total Calcium             |           | 19000         | 40         | ug/L          | 100        | 1          |              | EPA 200.7      | 4/24/23     | 057            |
| Total Alkalinity as CaCO3 |           | 120           | 2          | mg/L          | 6          | 1          |              | SM 2320 B-1997 | 4/21/23     | 057            |
| Total Copper              |           | Less Than     | 4          | ug/L          | 10         | 1          |              | EPA 200.7      | 4/24/23     | 057            |
| Total Hardness as CaCO3   |           | 100           | 1          | mg/L          |            | 1          |              | Std Mtd 2340B  | 4/24/23     | 057            |
| Total Magnesium           |           | 13000         | 40         | ug/L          | 100        | 1          |              | EPA 200.7      | 4/24/23     | 057            |
| Total Manganese           |           | 10            | 4          | ug/L          | 10         | 1          |              | EPA 200.7      | 4/24/23     | 057            |
| Nitrate-Nitrite as N      |           | Less Than     | 0.40       | mg/L          | 0.72       | 20         |              | EPA 300.0      | 4/13/23     | 057            |
| Total Silver              |           | Less Than     | 20         | ug/L          | 70         | 1          |              | EPA 200.7      | 4/17/23     | 057            |
| Total Zinc                |           | Less Than     | 20         | ug/L          | 70         | 1          |              | EPA 200.7      | 4/24/23     | 057            |
| Total Dissolved Solids    |           | 340           | 10         | mg/L          | 10         | 1          | H1           | Std Mtd 2540 C | 4/20/23     | 057            |

Sample Comments:

| Sample Description: | W-77 P4 Landfill | CCR Well Sample              |                  |                                  |
|---------------------|------------------|------------------------------|------------------|----------------------------------|
| Sample ID:          | AE65956          | Sample Collection Date/Time: | 04/11/2023 12:46 | ,                                |
| Sample Received:    | 04/12/2023       | Sample Collector:            | RAMBOLL          |                                  |
|                     |                  |                              | Result An        | alysis Analysis                  |
| <u>Parameter</u>    | Result           | LOD Units LOQ                | DIL Flag Me      | ethod <u>Date</u> <u>Analyst</u> |

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

| Sample Description: | W-77       | P4 Landfill CCR Well Sample  |            |       |
|---------------------|------------|------------------------------|------------|-------|
| Sample ID:          | AE65956    | Sample Collection Date/Time: | 04/11/2023 | 12:46 |
| Sample Received:    | 04/12/2023 | Sample Collector:            | RAMBOLL    |       |

| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|---------------------------|-----------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level         | 16.25     | 0.05       | feet         |            | 1          |                       | H2OD                      | 4/11/23                 | RAMBOLL        |
| Field Temperature         | 11.5      | 0.1        | Degrees      | l          | 1          |                       | TEMP                      | 4/11/23                 | RAMBOLL        |
| Field Conductivity        | 560       | 0          | umhos        |            | 1          |                       | FCOND25                   | 4/11/23                 | RAMBOLL        |
| Field pH                  | 7.7       | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 4/11/23                 | RAMBOLL        |
| Total Fluoride            | 1.1       | 0.6        | mg/L         | 2.0        | 20         | J                     | EPA 300.0                 | 4/13/23                 | 057            |
| Total Chloride            | 8.9       | 1.0        | mg/L         | 3.4        | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Sulfate             | 130       | 2.0        | mg/L         | 6.8        | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Boron               | 420       | 10         | ug/L         | 50         | 1          |                       | EPA 200.7                 | 4/25/23                 | 057            |
| Total Calcium             | 24000     | 40         | ug/L         | 100        | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Total Alkalinity as CaCO3 | 150       | 2          | mg/L         | 6          | 1          |                       | SM 2320 B-1997            | 4/21/23                 | 057            |
| Total Copper              | Less Than | 4          | ug/L         | 10         | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Total Hardness as CaCO3   | 120       | 1          | mg/L         |            | 1          |                       | Std Mtd 2340B             | 4/24/23                 | 057            |
| Total Magnesium           | 13000     | 40         | ug/L         | 100        | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Total Manganese           | 70        | 4          | ug/L         | 10         | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Nitrate-Nitrite as N      | Less Than | 0.40       | mg/L         | 0.72       | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Silver              | Less Than | 20         | ug/L         | 70         | 1          |                       | EPA 200.7                 | 4/17/23                 | 057            |
| Total Zinc                | Less Than | 20         | ug/L         | 70         | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Total Dissolved Solids    | 360       | 10         | mg/L         | 10         | 1          | H1                    | Std Mtd 2540 C            | 4/20/23                 | 057            |

Sample Comments:

| Sample Description: | QAQC01     | P4 Landfill CCR Well Sample  |            |       |
|---------------------|------------|------------------------------|------------|-------|
| Sample ID:          | AE65957    | Sample Collection Date/Time: | 04/11/2023 | 12:51 |
| Sample Received:    | 04/12/2023 | Sample Collector:            | RAMBOLL    |       |

| Parameter                 | Result    | LOD  | Units | LOQ  | DIL | Result<br>Flag | Analysis<br>Method | Analysis<br>Date | Analyst |
|---------------------------|-----------|------|-------|------|-----|----------------|--------------------|------------------|---------|
| <u> </u>                  |           |      |       |      |     |                |                    |                  | 057     |
| Total Fluoride            | 1.0       | 0.6  | mg/L  | 2.0  | 20  | J              | EPA 300.0          | 4/13/23          | 057     |
| Total Chloride            | 9.0       | 1.0  | mg/L  | 3.4  | 20  |                | EPA 300.0          | 4/13/23          | 057     |
| Total Sulfate             | 130       | 2.0  | mg/L  | 6.8  | 20  |                | EPA 300.0          | 4/13/23          | 057     |
| Total Boron               | 430       | 10   | ug/L  | 50   | 1   |                | EPA 200.7          | 4/25/23          | 057     |
| Total Calcium             | 24000     | 40   | ug/L  | 100  | 1   |                | EPA 200.7          | 4/24/23          | 057     |
| Total Alkalinity as CaCO3 | 140       | 2    | mg/L  | 6    | 1   |                | SM 2320 B-1997     | 4/21/23          | 057     |
| Total Copper              | Less Than | 4    | ug/L  | 10   | 1   |                | EPA 200.7          | 4/24/23          | 057     |
| Total Hardness as CaCO3   | 120       | 1    | mg/L  |      | 1   |                | Std Mtd 2340B      | 4/24/23          | 057     |
| Total Magnesium           | 13000     | 40   | ug/L  | 100  | 1   |                | EPA 200.7          | 4/24/23          | 057     |
| Total Manganese           | 70        | 4    | ug/L  | 10   | 1   |                | EPA 200.7          | 4/24/23          | 057     |
| Nitrate-Nitrite as N      | Less Than | 0.40 | mg/L  | 0.72 | 20  |                | EPA 300.0          | 4/13/23          | 057     |
| Total Silver              | Less Than | 20   | ug/L  | 70   | 1   |                | EPA 200.7          | 4/17/23          | 057     |
| Total Zinc                | Less Than | 20   | ug/L  | 70   | 1   |                | EPA 200.7          | 4/24/23          | 057     |
| Total Dissolved Solids    | 390       | 10   | mg/L  | 10   | 1   | H1             | Std Mtd 2540 C     | 4/20/23          | 057     |

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

Sample Comments:

| Sample Description:       | W-76      | P4 Landfill | CCR Well Sa | mple           |            |            |             |                |             |                |
|---------------------------|-----------|-------------|-------------|----------------|------------|------------|-------------|----------------|-------------|----------------|
| Sample ID:                | AE65958   |             | Samp        | ole Collection | Date/Time: | 04/1       | 1/2023      | 13:45          |             |                |
| Sample Received:          | 04/12/202 | 3           | Samp        | ole Collector: |            | RAN        | /BOLL       |                |             |                |
|                           |           |             |             |                |            |            | Result      | Analysis       | Analysis    |                |
| <u>Parameter</u>          |           | Result      | <b>LOD</b>  | <u>Units</u>   | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <b>Date</b> | <b>Analyst</b> |
| Field Water Level         |           | 22.48       | 0.05        | feet           |            | 1          |             | H2OD           | 4/11/23     | RAMBOLI        |
| Field Temperature         |           | 12.6        | 0.1         | Degrees        | (          | 1          |             | TEMP           | 4/11/23     | RAMBOL         |
| Field Conductivity        |           | 533         | 0           | umhos          |            | 1          |             | FCOND25        | 4/11/23     | RAMBOLI        |
| Field pH                  |           | 8.2         | 0.1         | Units          | 0.1        | 1          |             | FIELDPH        | 4/11/23     | RAMBOLI        |
| Total Fluoride            |           | 0.9         | 0.6         | mg/L           | 2.0        | 20         | J           | EPA 300.0      | 4/13/23     | 057            |
| Total Chloride            |           | 11          | 1.0         | mg/L           | 3.4        | 20         |             | EPA 300.0      | 4/13/23     | 057            |
| Total Sulfate             |           | 130         | 2.0         | mg/L           | 6.8        | 20         |             | EPA 300.0      | 4/13/23     | 057            |
| Total Boron               |           | 450         | 10          | ug/L           | 50         | 1          |             | EPA 200.7      | 4/25/23     | 057            |
| Total Calcium             |           | 18000       | 40          | ug/L           | 100        | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Alkalinity as CaCO3 |           | 110         | 2           | mg/L           | 6          | 1          |             | SM 2320 B-1997 | 4/21/23     | 057            |
| Total Copper              |           | Less Than   | 4           | ug/L           | 10         | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Hardness as CaCO3   |           | 95          | 1           | mg/L           |            | 1          |             | Std Mtd 2340B  | 4/24/23     | 057            |
| Total Magnesium           |           | 12000       | 40          | ug/L           | 100        | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Manganese           |           | 20          | 4           | ug/L           | 10         | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Nitrate-Nitrite as N      |           | Less Than   | 0.40        | mg/L           | 0.72       | 20         |             | EPA 300.0      | 4/13/23     | 057            |
| Total Silver              |           | Less Than   | 20          | ug/L           | 70         | 1          |             | EPA 200.7      | 4/17/23     | 057            |
| Total Zinc                |           | Less Than   | 20          | ug/L           | 70         | 1          |             | EPA 200.7      | 4/24/23     | 057            |
| Total Dissolved Solids    |           | 350         | 10          | mg/L           | 10         | 1          | H1          | Std Mtd 2540 C | 4/20/23     | 057            |

| Sample | Comments: |
|--------|-----------|
|--------|-----------|

| Sample Description:       | W-73      | P4 Landfill C | CR Well Sar | nple          |            |            |        |                |             |                |
|---------------------------|-----------|---------------|-------------|---------------|------------|------------|--------|----------------|-------------|----------------|
| Sample ID:                | AE65960   |               | Samp        | le Collection | Date/Time: | 04/1       | 1/2023 | 15:05          |             |                |
| Sample Received:          | 04/12/202 | 3             | Samp        | le Collector: |            | RAN        | MBOLL  |                |             |                |
|                           |           |               |             |               |            |            | Result | Analysis       | Analysis    |                |
| <u>Parameter</u>          |           | Result        | <b>LOD</b>  | <u>Units</u>  | LOQ        | <u>DIL</u> | Flag   | Method         | <u>Date</u> | <b>Analyst</b> |
| Field Water Level         |           | 20.68         | 0.05        | feet          |            | 1          |        | H2OD           | 4/11/23     | RAMBOLL        |
| Field Temperature         |           | 11.8          | 0.1         | Degrees       | (          | 1          |        | TEMP           | 4/11/23     | RAMBOLL        |
| Field Conductivity        |           | 522           | 0           | umhos         |            | 1          |        | FCOND25        | 4/11/23     | RAMBOLL        |
| Field pH                  |           | 8.3           | 0.1         | Units         | 0.1        | 1          |        | FIELDPH        | 4/11/23     | RAMBOLL        |
| Total Fluoride            |           | 1.0           | 0.6         | mg/L          | 2.0        | 20         | J      | EPA 300.0      | 4/13/23     | 057            |
| Total Chloride            |           | 12            | 1.0         | mg/L          | 3.4        | 20         |        | EPA 300.0      | 4/13/23     | 057            |
| Total Sulfate             |           | 130           | 2.0         | mg/L          | 6.8        | 20         |        | EPA 300.0      | 4/13/23     | 057            |
| Total Boron               |           | 440           | 10          | ug/L          | 50         | 1          |        | EPA 200.7      | 4/25/23     | 057            |
| Total Calcium             |           | 18000         | 40          | ug/L          | 100        | 1          |        | EPA 200.7      | 4/24/23     | 057            |
| Total Alkalinity as CaCO3 |           | 110           | 2           | mg/L          | 6          | 1          |        | SM 2320 B-1997 | 4/21/23     | 057            |
| Total Copper              |           | Less Than     | 4           | ug/L          | 10         | 1          |        | EPA 200.7      | 4/24/23     | 057            |
| Total Hardness as CaCO3   |           | 94            | 1           | mg/L          |            | 1          |        | Std Mtd 2340B  | 4/24/23     | 057            |
| Total Magnesium           |           | 12000         | 40          | ug/L          | 100        | 1          |        | EPA 200.7      | 4/24/23     | 057            |

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

18000

130

15

340

W-73

| Sample ID:<br>Sample Received: | AE65960<br>04/12/2023 | 1          | le Collection<br>le Collector: | n Date/Time: |            | 1/2023<br>MBOLL       | 15:05                     |                         |                |
|--------------------------------|-----------------------|------------|--------------------------------|--------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| <u>Parameter</u>               | <u>Result</u>         | <u>LOD</u> | <u>Units</u>                   | LOQ          | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
| Total Manganese                | 7.0                   | 4          | ug/L                           | 10           | 1          | J                     | EPA 200.7                 | 4/24/23                 | 057            |
| Nitrate-Nitrite as N           | Less Than             | 0.40       | mg/L                           | 0.72         | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Silver                   | Less Than             | 20         | ug/L                           | 70           | 1          |                       | EPA 200.7                 | 4/13/23                 | 057            |
| Total Zinc                     | Less Than             | 20         | ug/L                           | 70           | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Dissolved Boron                | 460                   | 8          | ug/L                           | 30           | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |

ug/L

mg/L

mg/L

mg/L

60

3.4

1.7

10

1

10

10

H1

EPA 200.7

EPA 300.0

EPA 300.0

Std Mtd 2540 C

4/24/23

4/24/23

4/22/23

4/20/23

057

057

057

057

Sample Comments:

Dissolved Calcium

Dissolved Sulfate

Dissolved Chloride

**Total Dissolved Solids** 

Sample Description:

| Sample Description: | EB-1      | P4 Landfill CCR Well Sample  |            |       |
|---------------------|-----------|------------------------------|------------|-------|
| Sample ID:          | AE65961   | Sample Collection Date/Time: | 04/11/2023 | 16:20 |
| Sample Received:    | 04/12/202 | Sample Collector:            | RAMBOLL    |       |

20

1.0

0.5

10

P4 Landfill CCR Well Sample

| Parameter                 | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|---------------------------|-----------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Temperature         | 19.1      | 0.1        | Degrees      | (          | 1          |                       | TEMP                      | 4/11/23                 | RAMBOLL        |
| Field Conductivity        | 16        | 0          | umhos        |            | 1          |                       | FCOND25                   | 4/11/23                 | RAMBOLL        |
| Field pH                  | 6.9       | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 4/11/23                 | RAMBOLL        |
| Total Fluoride            | Less Than | 0.6        | mg/L         | 2.0        | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Chloride            | Less Than | 1.0        | mg/L         | 3.4        | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Sulfate             | Less Than | 2.0        | mg/L         | 6.8        | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Boron               | Less Than | 10         | ug/L         | 50         | 1          |                       | EPA 200.7                 | 4/25/23                 | 057            |
| Total Calcium             | 60        | 40         | ug/L         | 100        | 1          | J                     | EPA 200.7                 | 4/24/23                 | 057            |
| Total Alkalinity as CaCO3 | 2         | 2          | mg/L         | 6          | 1          | J                     | SM 2320 B-1997            | 4/21/23                 | 057            |
| Total Copper              | Less Than | 4          | ug/L         | 10         | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Total Hardness as CaCO3   | Less Than | 0.27       | mg/L         | 1.0        | 1          |                       | Std Mtd 2340B             | 4/24/23                 | 057            |
| Total Magnesium           | Less Than | 40         | ug/L         | 100        | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Total Manganese           | Less Than | 4          | ug/L         | 10         | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Nitrate-Nitrite as N      | Less Than | 0.40       | mg/L         | 0.72       | 20         |                       | EPA 300.0                 | 4/13/23                 | 057            |
| Total Silver              | Less Than | 20         | ug/L         | 70         | 1          |                       | EPA 200.7                 | 4/17/23                 | 057            |
| Total Zinc                | Less Than | 20         | ug/L         | 70         | 1          |                       | EPA 200.7                 | 4/24/23                 | 057            |
| Total Dissolved Solids    | Less Than | 10         | mg/L         | 10         | 1          | H1                    | Std Mtd 2540 C            | 4/20/23                 | 057            |

Sample Comments:

If there are any questions concerning this report, please contact:

Laboratory Services at (414) 221-4595.

LOD and LOQ are adjusted for dilution factor.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

To: Eric Kovatch

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Wednesday, January 24, 2024

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

Sample Description: W20D P4 Landfill CCR Well Catchup Sample

Sample ID: AE66588 Sample Collection Date/Time: 05/15/2023 09:26 Sample Received: 05/15/2023 Sample Collector: KYLE SCHAEFER

|                         |           |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | <u>Method</u> | <u>Date</u> | <u>Analyst</u> |
| Field Water Level       | 18.57     | 0.05       | feet         |            | 1          |             | H2OD          | 5/15/23     | RAMBOLL        |
| Field Temperature       | 12        | 0.1        | Degrees      |            | 1          |             | TEMP          | 5/15/23     | RAMBOLL        |
| Field Conductivity      | 613       | 0          | umhos        |            | 1          |             | FCOND25       | 5/15/23     | RAMBOLL        |
| Field pH                | 7.7       | 0.1        | Units        | 0.1        | 1          |             | FIELDPH       | 5/15/23     | RAMBOLL        |
| Nitrite as N            | Less Than | 0.2        | mg/L         | 0.8        | 20         |             | EPA 300.0     | 5/17/23     | 057            |
| Nitrate as N            | 0.60      | 0.20       | mg/L         | 0.68       | 20         | J           | EPA 300.0     | 5/17/23     | 057            |
| Nitrate-Nitrite as N    | 0.60      | 0.4        | mg/L         | 0.036      | 20         |             | EPA 300.0     | 5/17/23     | 057            |
| Total Calcium           | 23700     | 600        | ug/L         | 1800       | 1          |             | EPA 200.7     | 5/16/23     | 057            |
| Total Copper            | 5         | 4          | ug/L         | 10         | 1          | J           | EPA 200.7     | 5/16/23     | 057            |
| Total Magnesium         | 16100     | 60         | ug/L         | 100        | 1          |             | EPA 200.7     | 5/16/23     | 057            |
| Total Manganese         | 40        | 4          | ug/L         | 10         | 1          |             | EPA 200.7     | 5/16/23     | 057            |
| Total Silver            | Less Than | 20         | ug/L         | 70         | 1          |             | EPA 200.7     | 5/22/23     | 057            |
| Total Zinc              | Less Than | 60         | ug/L         | 160        | 1          |             | EPA 200.7     | 5/16/23     | 057            |
| Total Hardness as CaCO3 | 126       | 1          | mg/L         |            | 1          |             | Std Mtd 2340B | 5/16/23     | 057            |

Sample Comments:

Sample Description: W73 P4 Landfill CCR Well Catchup Sample

Sample ID: AE66589 Sample Collection Date/Time: 05/15/2023 13:02 Sample Received: 05/15/2023 Sample Collector: KYLE SCHAEFER

| Parameter               | <u>Result</u> | LOD  | <u>Units</u> | LOQ   | <u>DIL</u> | Result<br>Flag | Analysis<br>Method | Analysis<br><u>Date</u> | <u>Analyst</u> |
|-------------------------|---------------|------|--------------|-------|------------|----------------|--------------------|-------------------------|----------------|
| Field Water Level       | 21.41         |      | feet         |       |            | <del></del>    | H2OD               | · <del></del>           | RAMBOLL        |
|                         |               | 0.05 | ieet         |       | 1          |                |                    | 5/15/23                 |                |
| Field Temperature       | 11            | 0.1  | Degrees      | l     | 1          |                | TEMP               | 5/15/23                 | RAMBOLL        |
| Field Conductivity      | 517           | 0    | umhos        |       | 1          |                | FCOND25            | 5/15/23                 | RAMBOLL        |
| Field pH                | 8.3           | 0.1  | Units        | 0.1   | 1          |                | FIELDPH            | 5/15/23                 | RAMBOLL        |
| Nitrite as N            | Less Than     | 0.2  | mg/L         | 0.8   | 20         |                | EPA 300.0          | 5/17/23                 | 057            |
| Nitrate as N            | Less Than     | 0.20 | mg/L         | 0.68  | 20         |                | EPA 300.0          | 5/17/23                 | 057            |
| Nitrate-Nitrite as N    | Less Than     | 0.4  | mg/L         | 0.036 | 20         |                | EPA 300.0          | 5/17/23                 | 057            |
| Total Calcium           | 18600         | 600  | ug/L         | 1800  | 1          |                | EPA 200.7          | 5/16/23                 | 057            |
| Total Copper            | 5             | 4    | ug/L         | 10    | 1          | J              | EPA 200.7          | 5/16/23                 | 057            |
| Total Magnesium         | 14900         | 60   | ug/L         | 100   | 1          |                | EPA 200.7          | 5/16/23                 | 057            |
| Total Manganese         | 10            | 4    | ug/L         | 10    | 1          |                | EPA 200.7          | 5/16/23                 | 057            |
| Total Silver            | Less Than     | 20   | ug/L         | 70    | 1          |                | EPA 200.7          | 5/22/23                 | 057            |
| Total Zinc              | Less Than     | 60   | ug/L         | 160   | 1          |                | EPA 200.7          | 5/16/23                 | 057            |
| Total Hardness as CaCO3 | 108           | 1    | mg/L         |       | 1          |                | Std Mtd 2340B      | 5/16/23                 | 057            |

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

Sample Comments:

| Sample Description: | W74 | P4 Landfill CCR | Well | Catchup | Sample |
|---------------------|-----|-----------------|------|---------|--------|
|---------------------|-----|-----------------|------|---------|--------|

Sample ID: AE66590 Sample Collection Date/Time: 05/15/2023 10:16 Sample Received: 05/15/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |            |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <b>Analyst</b> |
| Field Water Level         | 19.28     | 0.05       | feet         |            | 1          |             | H2OD           | 5/15/23     | RAMBOLL        |
| Field Temperature         | 11        | 0.1        | Degrees      | (          | 1          |             | TEMP           | 5/15/23     | RAMBOLL        |
| Field Conductivity        | 578       | 0          | umhos        |            | 1          |             | FCOND25        | 5/15/23     | RAMBOLL        |
| Field pH                  | 8.0       | 0.1        | Units        | 0.1        | 1          |             | FIELDPH        | 5/15/23     | RAMBOLL        |
| Nitrite as N              | Less Than | 0.2        | mg/L         | 0.8        | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Nitrate as N              | 0.66      | 0.20       | mg/L         | 0.68       | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Nitrate-Nitrite as N      | 0.66      | 0.4        | mg/L         | 0.036      | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Total Calcium             | 18900     | 600        | ug/L         | 1800       | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Copper              | Less Than | 4          | ug/L         | 10         | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Magnesium           | 15100     | 60         | ug/L         | 100        | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Manganese           | 10        | 4          | ug/L         | 10         | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Silver              | Less Than | 20         | ug/L         | 70         | 1          |             | EPA 200.7      | 5/22/23     | 057            |
| Total Zinc                | Less Than | 60         | ug/L         | 160        | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Alkalinity as CaCO3 | 102       | 2          | mg/L         | 6          | 1          |             | SM 2320 B-1997 | 5/18/23     | 057            |
| Total Hardness as CaCO3   | 109       | 1          | mg/L         |            | 1          |             | Std Mtd 2340B  | 5/16/23     | 057            |
|                           |           |            |              |            |            |             |                |             |                |

Sample Comments:

Sample Description: W75 P4 Landfill CCR Well Catchup Sample

Sample ID: AE66591 Sample Collection Date/Time: 05/15/2023 10:56 Sample Received: 05/15/2023 Sample Collector: KYLE SCHAEFER

| Parameter               | <u>Result</u> | LOD  | <u>Units</u> | LOQ   | DIL | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|-------------------------|---------------|------|--------------|-------|-----|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level       | 21.41         | 0.05 | feet         |       | 1   |                       | H2OD                      | 5/15/23                 | RAMBOLL        |
| Field Temperature       | 11            | 0.1  | Degrees      | (     | 1   |                       | TEMP                      | 5/15/23                 | RAMBOLL        |
| Field Conductivity      | 529           | 0    | umhos        |       | 1   |                       | FCOND25                   | 5/15/23                 | RAMBOLL        |
| Field pH                | 8.1           | 0.1  | Units        | 0.1   | 1   |                       | FIELDPH                   | 5/15/23                 | RAMBOLL        |
| Nitrite as N            | Less Than     | 0.2  | mg/L         | 0.8   | 20  |                       | EPA 300.0                 | 5/17/23                 | 057            |
| Nitrate as N            | Less Than     | 0.20 | mg/L         | 0.68  | 20  |                       | EPA 300.0                 | 5/17/23                 | 057            |
| Nitrate-Nitrite as N    | Less Than     | 0.4  | mg/L         | 0.036 | 20  |                       | EPA 300.0                 | 5/17/23                 | 057            |
| Total Calcium           | 18600         | 600  | ug/L         | 1800  | 1   |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Copper            | Less Than     | 4    | ug/L         | 10    | 1   |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Magnesium         | 13000         | 60   | ug/L         | 100   | 1   |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Manganese         | 5             | 4    | ug/L         | 10    | 1   | J                     | EPA 200.7                 | 5/16/23                 | 057            |
| Total Silver            | Less Than     | 20   | ug/L         | 70    | 1   |                       | EPA 200.7                 | 5/22/23                 | 057            |
| Total Zinc              | Less Than     | 60   | ug/L         | 160   | 1   |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Hardness as CaCO3 | 99.8          | 1    | mg/L         |       | 1   |                       | Std Mtd 2340B             | 5/16/23                 | 057            |

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

Sample Comments:

| Sample Description: | W76     | P4 Landfill CCR Wel | l Catchup Sample             |            |       |
|---------------------|---------|---------------------|------------------------------|------------|-------|
| Sample ID:          | AE6659  | 92                  | Sample Collection Date/Time: | 05/15/2023 | 11:35 |
| Sample Received:    | 05/15/2 | 023                 | Sample Collector:            | KYLE SCHAE | FER   |

|                         |           |            |              |       |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|-------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Field Water Level       | 22.75     | 0.05       | feet         |       | 1          |             | H2OD          | 5/15/23     | RAMBOLL        |
| Field Temperature       | 11        | 0.1        | Degrees      | l     | 1          |             | TEMP          | 5/15/23     | RAMBOLL        |
| Field Conductivity      | 531       | 0          | umhos        |       | 1          |             | FCOND25       | 5/15/23     | RAMBOLL        |
| Field pH                | 8.3       | 0.1        | Units        | 0.1   | 1          |             | FIELDPH       | 5/15/23     | RAMBOLL        |
| Nitrite as N            | Less Than | 0.20       | mg/L         | 0.80  | 20         |             | EPA 300.0     | 5/17/23     | 057            |
| Nitrate as N            | Less Than | 0.20       | mg/L         | 0.68  | 20         |             | EPA 300.0     | 5/17/23     | 057            |
| Nitrate-Nitrite as N    | Less Than | 0.4        | mg/L         | 0.036 | 20         |             | EPA 300.0     | 5/17/23     | 057            |
| Total Calcium           | 18100     | 600        | ug/L         | 1800  | 1          |             | EPA 200.7     | 5/16/23     | 057            |
| Total Copper            | 5         | 4          | ug/L         | 10    | 1          | J           | EPA 200.7     | 5/16/23     | 057            |
| Total Magnesium         | 12000     | 60         | ug/L         | 100   | 1          |             | EPA 200.7     | 5/16/23     | 057            |
| Total Manganese         | 10        | 4          | ug/L         | 10    | 1          |             | EPA 200.7     | 5/16/23     | 057            |
| Total Silver            | Less Than | 20         | ug/L         | 70    | 1          |             | EPA 200.7     | 5/22/23     | 057            |
| Total Zinc              | Less Than | 60         | ug/L         | 160   | 1          |             | EPA 200.7     | 5/22/23     | 057            |
| Total Hardness as CaCO3 | 94.8      | 1          | mg/L         |       | 1          |             | Std Mtd 2340B | 5/31/23     | CMW            |
|                         |           |            |              |       |            |             |               |             |                |

Sample Comments:

| Sample Description: | W77 | P4 Landfill CCR Well Catchup Sample |
|---------------------|-----|-------------------------------------|
|---------------------|-----|-------------------------------------|

Sample ID: AE66593 Sample Collection Date/Time: 05/15/2023 12:06 Sample Received: 05/15/2023 Sample Collector: KYLE SCHAEFER

| Parameter               | <u>Result</u> | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|-------------------------|---------------|------------|--------------|-------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level       | 17.30         | 0.05       | feet         |       | 1          |                       | H2OD                      | 5/15/23                 | RAMBOLL        |
| Field Temperature       | 11            | 0.1        | Degrees      | (     | 1          |                       | TEMP                      | 5/15/23                 | RAMBOLL        |
| Field Conductivity      | 570           | 0          | umhos        |       | 1          |                       | FCOND25                   | 5/15/23                 | RAMBOLL        |
| Field pH                | 7.7           | 0.1        | Units        | 0.1   | 1          |                       | FIELDPH                   | 5/15/23                 | RAMBOLL        |
| Nitrite as N            | Less Than     | 0.2        | mg/L         | 0.8   | 20         |                       | EPA 300.0                 | 5/17/23                 | 057            |
| Nitrate as N            | 0.52          | 0.20       | mg/L         | 0.68  | 20         | J                     | EPA 300.0                 | 5/17/23                 | 057            |
| Nitrate-Nitrite as N    | 0.52          | 0.4        | mg/L         | 0.036 | 20         |                       | EPA 300.0                 | 5/17/23                 | 057            |
| Total Calcium           | 23900         | 600        | ug/L         | 1800  | 1          |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Copper            | 5             | 4          | ug/L         | 10    | 1          | J                     | EPA 200.7                 | 5/16/23                 | 057            |
| Total Magnesium         | 13400         | 60         | ug/L         | 100   | 1          |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Manganese         | 60            | 4          | ug/L         | 10    | 1          |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Silver            | Less Than     | 20         | ug/L         | 70    | 1          |                       | EPA 200.7                 | 5/22/23                 | 057            |
| Total Zinc              | Less Than     | 60         | ug/L         | 160   | 1          |                       | EPA 200.7                 | 5/16/23                 | 057            |
| Total Hardness as CaCO3 | 115           | 1          | mg/L         |       | 1          |                       | Std Mtd 2340B             | 5/31/23                 | CMW            |

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

Sample Comments:

Sample Description: QAQC01 P4 Landfill CCR Well Catchup Sample

Sample ID: AE66594 Sample Collection Date/Time: 05/15/2023 10:21 Sample Received: 05/15/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |       |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <u>Analyst</u> |
| Nitrite as N              | Less Than | 0.2        | mg/L         | 0.8   | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Nitrate as N              | 0.64      | 0.20       | mg/L         | 0.68  | 20         | J           | EPA 300.0      | 5/17/23     | 057            |
| Nitrate-Nitrite as N      | 0.64      | 0.4        | mg/L         | 0.036 | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Total Calcium             | 20200     | 600        | ug/L         | 1800  | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Copper              | 6         | 4          | ug/L         | 10    | 1          | J           | EPA 200.7      | 5/16/23     | 057            |
| Total Magnesium           | 13400     | 60         | ug/L         | 100   | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Manganese           | 10        | 4          | ug/L         | 10    | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Silver              | Less Than | 20         | ug/L         | 70    | 1          |             | EPA 200.7      | 5/22/23     | 057            |
| Total Zinc                | Less Than | 60         | ug/L         | 160   | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Alkalinity as CaCO3 | 110       | 2          | mg/L         | 6     | 1          |             | SM 2320 B-1997 | 5/18/23     | 057            |
| Total Hardness as CaCO3   | 106       | 1          | mg/L         |       | 1          |             | Std Mtd 2340B  | 5/31/23     | CMW            |

Sample Comments:

Sample Description: EB1 P4 Landfill CCR Well Catchup Sample

Sample ID: AE66595 Sample Collection Date/Time: 05/15/2023 13:20 Sample Received: 05/15/2023 Sample Collector: KYLE SCHAEFER

|                           |           |            |              |            |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <b>Analyst</b> |
| Nitrite as N              | Less Than | 0.2        | mg/L         | 0.8        | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Nitrate as N              | Less Than | 0.20       | mg/L         | 0.68       | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Nitrate-Nitrite as N      | Less Than | 0.4        | mg/L         | 0.036      | 20         |             | EPA 300.0      | 5/17/23     | 057            |
| Total Calcium             | 1900      | 600        | ug/L         | 1800       | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Copper              | 10        | 4          | ug/L         | 10         | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Magnesium           | 1000      | 60         | ug/L         | 100        | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Manganese           | Less Than | 4          | ug/L         | 10         | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Silver              | Less Than | 20         | ug/L         | 70         | 1          |             | EPA 200.7      | 5/22/23     | 057            |
| Total Zinc                | Less Than | 60         | ug/L         | 160        | 1          |             | EPA 200.7      | 5/16/23     | 057            |
| Total Alkalinity as CaCO3 | 10        | 2          | mg/L         | 6          | 1          |             | SM 2320 B-1997 | 5/18/23     | 057            |
| Total Hardness as CaCO3   | 8.9       | 1          | mg/L         |            | 1          |             | Std Mtd 2340B  | 5/16/23     | 057            |

Sample Comments:

LOD and LOQ are adjusted for dilution factor.

If there are any questions concerning this report, please contact:

Laboratory Services at (414) 221-4595.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

To: Eric Kovatch

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Wednesday, January 24, 2024

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





| Sample Description:     | W20D      | P4 Landfill CC |            |              |            | 0.544      |             |               |             |                |
|-------------------------|-----------|----------------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| Sample ID:              | AE67175   |                |            | Collection   | Date/Time: |            |             | 09:17         |             |                |
| Sample Received:        | 06/15/202 | 3              | Sample     | Collector:   |            | RAM        | IBOLL       |               |             |                |
|                         |           |                |            |              |            |            | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        |           | Result         | <b>LOD</b> | <u>Units</u> | <b>LOQ</b> | <u>DIL</u> | <u>Flag</u> | <u>Method</u> | <u>Date</u> | <b>Analyst</b> |
| Field Water Level       |           | 21.08          | 0.05       | feet         |            | 1          |             | H2OD          | 6/14/23     | RAMBOLL        |
| Field Temperature       |           | 14             | 0.1        | Degrees (    |            | 1          |             | TEMP          | 6/14/23     | RAMBOLL        |
| Field Conductivity      |           | 633            | 0          | umhos        |            | 1          |             | FCOND25       | 6/14/23     | RAMBOLL        |
| Field pH                |           | 8.5            | 0.1        | Units        | 0.1        | 1          |             | FIELDPH       | 6/14/23     | RAMBOLL        |
| Total Calcium           |           | 24000          | 600        | ug/L         | 1800       | 1          |             | EPA 200.7     | 7/5/23      | 057            |
| Total Copper            |           | Less Than      | 4          | ug/L         | 10         | 1          |             | EPA 200.7     | 7/6/23      | 057            |
| Total Magnesium         |           | 16000          | 60         | ug/L         | 100        | 1          |             | EPA 200.7     | 7/5/23      | 057            |
| Total Manganese         |           | 30             | 4          | ug/L         | 10         | 1          | J           | EPA 200.7     | 7/5/23      | 057            |
| Total Silver            |           | 20             | 20         | ug/L         | 70         | 1          |             | EPA 200.7     | 6/28/23     | 057            |
| Total Zinc              |           | Less Than      | 60         | ug/L         | 200        | 1          |             | EPA 200.7     | 7/5/23      | 057            |
| Total Hardness as CaCO3 |           | 130            | 1          | mg/L         |            | 1          |             | Std Mtd 2340B | 7/17/23     | 057            |
| Nitrite as N            |           | 0.61           | 0.003      | mg/L         | 0.009      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate as N            |           | 0.031          | 0.008      | mg/L         | 0.027      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate-Nitrite as N    |           | 0.64           | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Sample Comments:        |           |                |            |              |            |            |             |               |             |                |

| Sample Description:     | W73       | P4 Landfill C | CR Well Cat       | chup Sampl   | le         |            |             |               |             |                |
|-------------------------|-----------|---------------|-------------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| Sample ID:              | AE67176   |               | Sample Collection |              |            | 06/1       | 4/2023      | 13:51         |             |                |
| Sample Received:        | 06/15/202 | 3             | Sample            | e Collector: |            | RAN        | MBOLL       |               |             |                |
|                         |           |               |                   |              |            |            | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        |           | Result        | <b>LOD</b>        | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <b>Flag</b> | Method        | <u>Date</u> | <b>Analyst</b> |
| Field Water Level       |           | 24.15         | 0.05              | feet         |            | 1          |             | H2OD          | 6/14/23     | RAMBOLL        |
| Field Temperature       |           | 15            | 0.1               | Degrees (    |            | 1          |             | TEMP          | 6/14/23     | RAMBOLL        |
| Field Conductivity      |           | 535           | 0                 | umhos        |            | 1          |             | FCOND25       | 6/14/23     | RAMBOLL        |
| Field pH                |           | 9.0           | 0.1               | Units        | 0.1        | 1          |             | FIELDPH       | 6/14/23     | RAMBOLL        |
| Total Calcium           |           | 19000         | 600               | ug/L         | 1800       | 1          |             | EPA 200.7     | 7/5/23      | 057            |
| Total Copper            |           | Less Than     | 4                 | ug/L         | 10         | 1          |             | EPA 200.7     | 7/6/23      | 057            |
| Total Magnesium         |           | 20            | 4                 | ug/L         | 10         | 1          |             | EPA 200.7     | 7/5/23      | 057            |
| Total Manganese         |           | 20            | 4                 | ug/L         | 10         | 1          |             | EPA 200.7     | 7/5/23      | 057            |
| Total Silver            |           | Less Than     | 20                | ug/L         | 70         | 1          |             | EPA 200.7     | 6/28/23     | 057            |
| Total Zinc              |           | Less Than     | 60                | ug/L         | 200        | 1          |             | EPA 200.7     | 6/28/23     | 057            |
| Total Hardness as CaCO3 |           | 48            | 1                 | mg/L         |            | 1          |             | Std Mtd 2340B | 7/17/23     | 057            |
| Nitrite as N            |           | 0.60          | 0.003             | mg/L         | 0.009      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate as N            |           | Less Than     | 0.008             | mg/L         | 0.027      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate-Nitrite as N    |           | 0.61          | 0.011             | mg/L         | 0.036      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |

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

Sample Comments:

Sample Description:

W75

| Sample Description:     | W74       | P4 Landfill ( | CR Well Car                  | tchup Sample  | e          |            |                  |               |             |                |  |
|-------------------------|-----------|---------------|------------------------------|---------------|------------|------------|------------------|---------------|-------------|----------------|--|
| Sample ID:              | AE67177   |               | Sample Collection Date/Time: |               |            |            | 06/14/2023 10:09 |               |             |                |  |
| Sample Received:        | 06/15/202 | 3             | Samp                         | le Collector: |            | RAN        | MBOLL            |               |             |                |  |
|                         |           |               |                              |               |            |            | Result           | Analysis      | Analysis    |                |  |
| <u>Parameter</u>        |           | Result        | <b>LOD</b>                   | <u>Units</u>  | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u>      | Method        | <u>Date</u> | <b>Analyst</b> |  |
| Field Water Level       |           | 22.08         | 0.05                         | feet          |            | 1          |                  | H2OD          | 6/14/23     | RAMBOLL        |  |
| Field Temperature       |           | 11            | 0.1                          | Degrees (     |            | 1          |                  | TEMP          | 6/14/23     | RAMBOLL        |  |
| Field Conductivity      |           | 591           | 0                            | umhos         |            | 1          |                  | FCOND25       | 6/14/23     | RAMBOLL        |  |
| Field pH                |           | 8.8           | 0.1                          | Units         | 0.1        | 1          |                  | FIELDPH       | 6/14/23     | RAMBOLL        |  |
| Total Calcium           |           | 18000         | 600                          | ug/L          | 1800       | 1          |                  | EPA 200.7     | 6/30/23     | 057            |  |
| Total Copper            |           | Less Than     | 4                            | ug/L          | 10         | 1          |                  | EPA 200.7     | 6/30/23     | 057            |  |
| Total Magnesium         |           | 15000         | 60                           | ug/L          | 100        | 1          |                  | EPA 200.7     | 6/30/23     | 057            |  |
| Total Manganese         |           | 10            | 4                            | ug/L          | 10         | 1          |                  | EPA 200.7     | 6/30/23     | 057            |  |
| Total Silver            |           | Less Than     | 20                           | ug/L          | 70         | 1          |                  | EPA 200.7     | 6/28/23     | 057            |  |
| Total Zinc              |           | Less Than     | 60                           | ug/L          | 200        | 1          |                  | EPA 200.7     | 6/30/23     | 057            |  |
| Total Hardness as CaCO3 |           | 110           | 1                            | mg/L          |            | 1          |                  | Std Mtd 2340B | 7/17/23     | AEU            |  |
| Nitrite as N            |           | 0.59          | 0.003                        | mg/L          | 0.009      | 1          |                  | EPA 300.0     | 6/16/23     | AEU            |  |
| Nitrate as N            |           | 0.025         | 0.008                        | mg/L          | 0.027      | 1          |                  | EPA 300.0     | 6/16/23     | AEU            |  |
| Nitrate-Nitrite as N    |           | 0.62          | 0.011                        | mg/L          | 0.036      | 1          |                  | EPA 300.0     | 6/16/23     | AEU            |  |

| Sample ID:              | AE67178    | Samp              | le Collection | Date/Time: | 06/1       | 4/2023      | 11:01         |             |                |  |
|-------------------------|------------|-------------------|---------------|------------|------------|-------------|---------------|-------------|----------------|--|
| Sample Received:        | 06/15/2023 | Sample Collector: |               |            | RAN        | MBOLL       |               |             |                |  |
|                         |            |                   |               |            |            | Result      | Analysis      | Analysis    |                |  |
| <u>Parameter</u>        | Result     | <b>LOD</b>        | <u>Units</u>  | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | <u>Method</u> | <u>Date</u> | <u>Analyst</u> |  |
| Field Water Level       | 24.14      | 0.05              | feet          |            | 1          |             | H2OD          | 6/14/23     | RAMBOLL        |  |
| Field Temperature       | 11         | 0.1               | Degrees       | (          | 1          |             | TEMP          | 6/14/23     | RAMBOLL        |  |
| Field Conductivity      | 544        | 0                 | umhos         |            | 1          |             | FCOND25       | 6/14/23     | RAMBOLL        |  |
| Field pH                | 8.9        | 0.1               | Units         | 0.1        | 1          |             | FIELDPH       | 6/14/23     | RAMBOLL        |  |
| Total Calcium           | 19000      | 600               | ug/L          | 1800       | 1          |             | EPA 200.7     | 6/30/23     | 057            |  |
| Total Copper            | Less Than  | 4                 | ug/L          | 10         | 1          |             | EPA 200.7     | 6/30/23     | 057            |  |
| Total Magnesium         | 13000      | 60                | ug/L          | 100        | 1          |             | EPA 200.7     | 6/30/23     | 057            |  |
| Total Manganese         | 7          | 4                 | ug/L          | 10         | 1          | J           | EPA 200.7     | 6/30/23     | 057            |  |
| Total Silver            | Less Than  | 20                | ug/L          | 70         | 1          |             | EPA 200.7     | 6/28/23     | 057            |  |
| Total Zinc              | Less Than  | 60                | ug/L          | 200        | 1          |             | EPA 200.7     | 6/28/23     | 057            |  |
| Total Hardness as CaCO3 | 100        | 1                 | mg/L          |            | 1          |             | Std Mtd 2340B | 7/17/23     | AEU            |  |
| Nitrite as N            | 0.69       | 0.003             | mg/L          | 0.009      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |  |
| Nitrate as N            | 0.013      | 0.008             | mg/L          | 0.027      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |  |
| Nitrate-Nitrite as N    | 0.71       | 0.011             | mg/L          | 0.036      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |  |
|                         |            |                   |               |            |            |             |               |             |                |  |

P4 Landfill CCR Well Catchup Sample

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

Sample Comments:

Sample Description:

W77

| Sample Description:     | W76       | P4 Landfill C | CCR Well Car                 | tchup Sampl       | e          |            |             |                  |             |                |  |  |
|-------------------------|-----------|---------------|------------------------------|-------------------|------------|------------|-------------|------------------|-------------|----------------|--|--|
| Sample ID:              | AE67179   |               | Sample Collection Date/Time: |                   |            |            |             | 06/14/2023 11:41 |             |                |  |  |
| Sample Received:        | 06/15/202 | 3             | Samp                         | Sample Collector: |            |            | MBOLL       |                  |             |                |  |  |
|                         |           |               |                              |                   |            |            | Result      | Analysis         | Analysis    |                |  |  |
| <u>Parameter</u>        |           | Result        | <b>LOD</b>                   | <u>Units</u>      | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method           | <u>Date</u> | <b>Analyst</b> |  |  |
| Field Water Level       |           | 25.53         | 0.05                         | feet              |            | 1          |             | H2OD             | 6/14/23     | RAMBOLL        |  |  |
| Field Temperature       |           | 12            | 0.1                          | Degrees           |            | 1          |             | TEMP             | 6/14/23     | RAMBOLL        |  |  |
| Field Conductivity      |           | 447           | 0                            | umhos             |            | 1          |             | FCOND25          | 6/14/23     | RAMBOLL        |  |  |
| Field pH                |           | 9.1           | 0.1                          | Units             | 0.1        | 1          |             | FIELDPH          | 6/14/23     | RAMBOLL        |  |  |
| Total Calcium           |           | 18000         | 600                          | ug/L              | 1800       | 1          |             | EPA 200.7        | 6/30/23     | 057            |  |  |
| Total Copper            |           | Less Than     | 4                            | ug/L              | 10         | 1          |             | EPA 200.7        | 6/30/23     | 057            |  |  |
| Total Magnesium         |           | 12000         | 60                           | ug/L              | 100        | 1          |             | EPA 200.7        | 6/30/23     | 057            |  |  |
| Total Manganese         |           | 8             | 4                            | ug/L              | 10         | 1          | J           | EPA 200.7        | 6/30/23     | 057            |  |  |
| Total Silver            |           | Less Than     | 20                           | ug/L              | 70         | 1          |             | EPA 200.7        | 6/28/23     | 057            |  |  |
| Total Zinc              |           | Less Than     | 60                           | ug/L              | 200        | 1          |             | EPA 200.7        | 6/30/23     | 057            |  |  |
| Total Hardness as CaCO3 |           | 94            | 1                            | mg/L              |            | 1          |             | Std Mtd 2340B    | 7/17/23     | 057            |  |  |
| Nitrite as N            |           | 0.65          | 0.003                        | mg/L              | 0.009      | 1          |             | EPA 300.0        | 6/16/23     | AEU            |  |  |
| Nitrate as N            |           | 0.025         | 0.008                        | mg/L              | 0.027      | 1          |             | EPA 300.0        | 6/16/23     | AEU            |  |  |
| Nitrate-Nitrite as N    |           | 0.68          | 0.011                        | mg/L              | 0.036      | 1          |             | EPA 300.0        | 6/16/23     | AEU            |  |  |

| Sample ID:              | AE67180    | Sample Collection Date/Time: |              |       | 06/1       | 4/2023      | 12:37         |             |                |
|-------------------------|------------|------------------------------|--------------|-------|------------|-------------|---------------|-------------|----------------|
| Sample Received:        | 06/15/2023 | Sample Collector:            |              |       | RAN        | MBOLL       |               |             |                |
|                         |            |                              |              |       |            | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        | Result     | <b>LOD</b>                   | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method        | <b>Date</b> | <u>Analyst</u> |
| Field Water Level       | 20.25      | 0.05                         | feet         |       | 1          |             | H2OD          | 6/14/23     | RAMBOLL        |
| Field Temperature       | 11         | 0.1                          | Degrees      | (     | 1          |             | TEMP          | 6/14/23     | RAMBOLL        |
| Field Conductivity      | 583        | 0                            | umhos        |       | 1          |             | FCOND25       | 6/14/23     | RAMBOLL        |
| Field pH                | 8.6        | 0.1                          | Units        | 0.1   | 1          |             | FIELDPH       | 6/14/23     | RAMBOLL        |
| Total Calcium           | 23000      | 600                          | ug/L         | 1800  | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Copper            | Less Than  | 4                            | ug/L         | 10    | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Magnesium         | 13000      | 60                           | ug/L         | 100   | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Manganese         | 50         | 4                            | ug/L         | 10    | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Silver            | Less Than  | 20                           | ug/L         | 70    | 1          |             | EPA 200.7     | 6/28/23     | 057            |
| Total Zinc              | Less Than  | 60                           | ug/L         | 200   | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Hardness as CaCO3 | 110        | 1                            | mg/L         |       | 1          |             | Std Mtd 2340B | 7/17/23     | 057            |
| Nitrite as N            | 0.78       | 0.003                        | mg/L         | 0.009 | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate as N            | Less Than  | 0.008                        | mg/L         | 0.027 | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate-Nitrite as N    | 0.79       | 0.011                        | mg/L         | 0.036 | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
|                         |            |                              |              |       |            |             |               |             |                |

P4 Landfill CCR Well Catchup Sample

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

Sample Comments:

| Sample Description:     | QAQC01 P4 Lan | dfill CCR Well | Catchup Sar    | nple         |            |             |               |             |         |
|-------------------------|---------------|----------------|----------------|--------------|------------|-------------|---------------|-------------|---------|
| Sample ID:              | AE67181       | Samı           | ole Collection | n Date/Time: | 06/1       | 4/2023      | 10:14         |             |         |
| Sample Received:        | 06/15/2023    | Samp           | ole Collector  | :            | RAN        | MBOLL       |               |             |         |
|                         |               |                |                |              |            | Result      | Analysis      | Analysis    |         |
| <u>Parameter</u>        | Result        | <u>LOD</u>     | <u>Units</u>   | <b>LOQ</b>   | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | Analyst |
| Total Calcium           | 19000         | 600            | ug/L           | 1800         | 1          |             | EPA 200.7     | 6/30/23     | 057     |
| Total Copper            | Less Than     | 4              | ug/L           | 10           | 1          |             | EPA 200.7     | 6/30/23     | 057     |
| Total Magnesium         | 13000         | 60             | ug/L           | 100          | 1          |             | EPA 200.7     | 6/30/23     | 057     |
| Total Manganese         | 10            | 4              | ug/L           | 10           | 1          |             | EPA 200.7     | 6/30/23     | 057     |
| Total Silver            | Less Than     | 20             | ug/L           | 70           | 1          |             | EPA 200.7     | 6/28/23     | 057     |
| Total Zinc              | Less Than     | 60             | ug/L           | 200          | 1          |             | EPA 200.7     | 6/30/23     | 057     |
| Total Hardness as CaCO3 | 100           | 1              | mg/L           |              | 1          |             | Std Mtd 2340B | 7/17/23     | 057     |
| Nitrite as N            | 0.65          | 0.003          | mg/L           | 0.009        | 1          |             | EPA 300.0     | 6/16/23     | AEU     |
| Nitrate as N            | 0.11          | 0.008          | mg/L           | 0.027        | 1          |             | EPA 300.0     | 6/16/23     | AEU     |
| Nitrate-Nitrite as N    | 0.76          | 0.011          | mg/L           | 0.036        | 1          |             | EPA 300.0     | 6/16/23     | AEU     |

| Sample Description: | EB1 P4     | Landfill CCR Well Catchup Sample |            |          |          |
|---------------------|------------|----------------------------------|------------|----------|----------|
| Sample ID:          | AE67182    | Sample Collection Date/Time:     | 06/14/2023 | 14:25    |          |
| Sample Received:    | 06/15/2023 | Sample Collector:                | RAMBOLL    |          |          |
|                     |            |                                  | Result     | Analysis | Analysis |

|                         |           |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Total Calcium           | Less Than | 600        | ug/L         | 1800       | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Copper            | Less Than | 4          | ug/L         | 10         | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Magnesium         | 60        | 60         | ug/L         | 100        | 1          | J           | EPA 200.7     | 6/30/23     | 057            |
| Total Manganese         | Less Than | 4          | ug/L         | 10         | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Silver            | Less Than | 20         | ug/L         | 70         | 1          |             | EPA 200.7     | 6/28/23     | 057            |
| Total Zinc              | Less Than | 60         | ug/L         | 200        | 1          |             | EPA 200.7     | 6/30/23     | 057            |
| Total Hardness as CaCO3 | Less Than | 1          | mg/L         |            | 1          |             | Std Mtd 2340B | 6/30/23     | 057            |
| Nitrite as N            | 0.28      | 0.003      | mg/L         | 0.009      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate as N            | 0.038     | 0.008      | mg/L         | 0.027      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |
| Nitrate-Nitrite as N    | 0.32      | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0     | 6/16/23     | AEU            |

Sample Comments:

If there are any questions concerning this report, please contact:

Laboratory Services at (414) 221-4595.

LOD and LOQ are adjusted for dilution factor.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

Eric Kovatch To:

Sample Description:

Sample ID:

PSB Annex A231

From: WEC Business Services

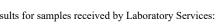
> Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Wednesday, January 24, 2024

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

**W20D** 

AE67784



P4 Landfill CCR Well Sample

| Sample Received:          | 07/18/2023    | Samp       | le Collector: |            | ND         |                       |                           |                         |                |
|---------------------------|---------------|------------|---------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| <u>Parameter</u>          | <u>Result</u> | <u>LOD</u> | <u>Units</u>  | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
| Field Water Level         | 22.48         | 0.05       | feet          |            | 1          |                       | H2OD                      | 7/17/23                 | N DUDA         |
| Field Temperature         | 15.2          | 0.1        | Degrees       | ı          | 1          |                       | TEMP                      | 7/17/23                 | N DUDA         |
| Field Conductivity        | 706           | 0          | umhos         |            | 1          |                       | FCOND25                   | 7/17/23                 | N DUDA         |
| Field pH                  | 7.4           | 0.1        | Units         | 0.1        | 1          |                       | FIELDPH                   | 7/17/23                 | N DUDA         |
| Total Zinc                | Less Than     | 11.6       | ug/L          | 40.0       | 1          |                       | EPA 200.7                 | 7/20/23                 | 020            |
| Total Silver              | Less Than     | 3.2        | ug/L          | 10.0       | 1          |                       | EPA 200.7                 | 7/20/33                 | 020            |
| Total Magnesium           | 17000         | 180        | ug/L          | 1000       | 1          |                       | EPA 200.7                 | 7/20/33                 | 020            |
| Total Manganese           | 37.1          | 1.5        | ug/L          | 5.0        | 1          |                       | EPA 200.7                 | 7/20/33                 | 020            |
| Total Hardness as CaCO3   | 133           | 1.0        | mg/L          | 5.4        | 1          |                       | Std Mtd 2340B             | 7/20/33                 | 020            |
| Total Calcium             | 25400         | 110        | ug/L          | 500        | 1          |                       | EPA 200.7                 | 7/20/33                 | 020            |
| Total Copper              | Less Than     | 3.4        | ug/L          | 10.0       | 1          |                       | EPA 200.7                 | 7/20/33                 | 020            |
| Total Alkalinity as CaCO3 | 110           | 20         | mg/L          |            | 1          |                       | SM 2320 B-1997            | 7/19/23                 | AEU            |
| Nitrite as N              | 0.52          | 0.003      | mg/L          | 0.009      | 1          |                       | EPA 300.0                 | 7/18/23                 | AEU            |
| Nitrate as N              | 0.16          | 0.008      | mg/L          | 0.027      | 1          |                       | EPA 300.0                 | 7/18/23                 | AEU            |
| Nitrate-Nitrite as N      | 0.68          | 0.011      | mg/L          | 0.036      | 1          | M1                    | EPA 300.0                 | 7/18/23                 | AEU            |

Sample Collection Date/Time:

07/17/2023

12:39

| Sample Description: | W73      | P4 Landfill CCR We | R Well Sample                |            |       |  |  |  |  |
|---------------------|----------|--------------------|------------------------------|------------|-------|--|--|--|--|
| Sample ID:          | AE67785  | 5                  | Sample Collection Date/Time: | 07/17/2023 | 15:16 |  |  |  |  |
| Sample Received:    | 07/18/20 | 23                 | Sample Collector:            | ND         |       |  |  |  |  |

| Parameter                 | Result    | <u>LOD</u> | Units   | LOQ   | <u>DIL</u> | Result<br>Flag | Analysis<br>Method | Analysis<br><u>Date</u> | Analyst |
|---------------------------|-----------|------------|---------|-------|------------|----------------|--------------------|-------------------------|---------|
|                           |           |            |         |       |            |                |                    |                         |         |
| Field Water Level         | 25.48     | 0.05       | feet    |       | 1          |                | H2OD               | 7/17/23                 | N DUDA  |
| Field Temperature         | 14.4      | 0.1        | Degrees |       | 1          |                | TEMP               | 7/17/23                 | N DUDA  |
| Field Conductivity        | 484       | 0          | umhos   |       | 1          |                | FCOND25            | 7/17/23                 | N DUDA  |
| Field pH                  | 7.5       | 0.1        | Units   | 0.1   | 1          |                | FIELDPH            | 7/17/23                 | N DUDA  |
| Total Zinc                | Less Than | 11.6       | ug/L    | 40.0  | 1          |                | EPA 200.7          | 7/20/33                 | 020     |
| Total Silver              | Less Than | 3.2        | ug/L    | 10.0  | 1          |                | EPA 200.7          | 7/20/33                 | 020     |
| Total Magnesium           | 12400     | 180        | ug/L    | 1000  | 1          |                | EPA 200.7          | 7/20/33                 | 020     |
| Total Manganese           | 4.3       | 1.5        | ug/L    | 5.0   | 1          | J              | EPA 200.7          | 7/20/33                 | 020     |
| Total Hardness as CaCO3   | 97.4      | 1.0        | mg/L    | 5.4   | 1          |                | Std Mtd 2340B      | 7/20/33                 | 020     |
| Total Calcium             | 18600     | 110        | ug/L    | 500   | 1          |                | EPA 200.7          | 7/20/33                 | 020     |
| Total Copper              | Less Than | 3.4        | ug/L    | 10.0  | 1          |                | EPA 200.7          | 7/20/33                 | 020     |
| Total Alkalinity as CaCO3 | 110       | 20         | mg/L    |       | 1          |                | SM 2320 B-1997     | 7/19/23                 | AEU     |
| Nitrite as N              | 0.56      | 0.003      | mg/L    | 0.009 | 1          |                | EPA 300.0          | 7/18/23                 | AEU     |

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

| Sample Description: | W73 | P4 Landfill CCR Well Sampl | ما |
|---------------------|-----|----------------------------|----|

Sample ID: AE67785 Sample Collection Date/Time: 07/17/2023 15:16

Sample Received: 07/18/2023 Sample Collector: ND

|                      |        |            |              |            |            | Result      | Analysis  | Analysis    |                |
|----------------------|--------|------------|--------------|------------|------------|-------------|-----------|-------------|----------------|
| <u>Parameter</u>     | Result | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method    | <u>Date</u> | <b>Analyst</b> |
| Nitrate as N         | 0.026  | 0.008      | mg/L         | 0.027      | 1          | J           | EPA 300.0 | 7/18/23     | AEU            |
| Nitrate-Nitrite as N | 0.59   | 0.011      | mg/L         | 0.036      | 1          | M1          | EPA 300.0 | 7/18/23     | AEU            |

Sample Comments:

Sample Description: W74 P4 Landfill CCR Well Sample

Sample ID: 07/17/2023 AE67786 Sample Collection Date/Time: 13:09

Sample Received: 07/18/2023 Sample Collector: ND

|                           |           |            |              |       |     | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|-----|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | DIL | <u>Flag</u> | Method         | <u>Date</u> | <b>Analyst</b> |
| Field Water Level         | 24.38     | 0.05       | feet         |       | 1   |             | H2OD           | 7/17/23     | N DUDA         |
| Field Temperature         | 14.2      | 0.1        | Degrees      | I     | 1   |             | TEMP           | 7/17/23     | N DUDA         |
| Field Conductivity        | 545       | 0          | umhos        |       | 1   |             | FCOND25        | 7/17/23     | N DUDA         |
| Field pH                  | 7.6       | 0.1        | Units        | 0.1   | 1   |             | FIELDPH        | 7/17/23     | N DUDA         |
| Total Zinc                | Less Than | 11.6       | ug/L         | 40.0  | 1   |             | EPA 200.7      | 7/20/33     | 020            |
| Total Silver              | Less Than | 3.2        | ug/L         | 10.0  | 1   |             | EPA 200.7      | 7/20/33     | 020            |
| Total Magnesium           | 15400     | 180        | ug/L         | 1000  | 1   |             | EPA 200.7      | 7/20/33     | 020            |
| Total Manganese           | 14.3      | 1.5        | ug/L         | 5.0   | 1   |             | EPA 200.7      | 7/20/33     | 020            |
| Total Hardness as CaCO3   | 113       | 1.0        | mg/L         | 5.4   | 1   |             | Std Mtd 2340B  | 7/20/33     | 020            |
| Total Calcium             | 20000     | 110        | ug/L         | 500   | 1   |             | EPA 200.7      | 7/20/33     | 020            |
| Total Copper              | Less Than | 3.4        | ug/L         | 10.0  | 1   |             | EPA 200.7      | 7/20/33     | 020            |
| Total Alkalinity as CaCO3 | 100       | 20         | mg/L         |       | 1   |             | SM 2320 B-1997 | 7/19/23     | AEU            |
| Nitrite as N              | 0.49      | 0.003      | mg/L         | 0.009 | 1   |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate as N              | 0.15      | 0.008      | mg/L         | 0.027 | 1   |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate-Nitrite as N      | 0.64      | 0.011      | mg/L         | 0.036 | 1   | M1          | EPA 300.0      | 7/18/23     | AEU            |

Sample Comments:

| Sample Description: | W75     | P4 Landfill CCR Well SamplE  |     |
|---------------------|---------|------------------------------|-----|
| Sample ID:          | AE67787 | Sample Collection Date/Time: | 07/ |

07/17/2023 Sample Received: 07/18/2023 Sample Collector: ND

1.0

Result Analysis Analysis Result **LOD** Units LOQ DIL Flag Method **Date Analyst Parameter** Field Water Level 25.64 0.05 H2OD 7/17/23 N DUDA feet Field Temperature 12.2 0.1 1 TEMP 7/17/23 N DUDA Degrees ( Field Conductivity 465 0 umhos FCOND25 7/17/23 N DUDA N DUDA Field pH 7.7 0.1 Units 0.1 **FIELDPH** 7/17/23 Total Zinc Less Than 11.6 ug/L 40.0 EPA 200.7 7/20/33 020 020 7/20/33 Total Silver Less Than 3.2 ug/L 10.0 EPA 200.7 020 13300 180 1000 Total Magnesium ug/L EPA 200.7 7/20/33 020 Total Manganese 10.5 1.5 ug/L 5.0 EPA 200.7 7/20/33 Total Hardness as CaCO3 104 Std Mtd 2340B 7/20/33 020

mg/L

13:37

5.4

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

| Sample Description: | W75 | P4 Landfill CCR Well SamplE |
|---------------------|-----|-----------------------------|
|                     |     |                             |

Sample ID: AE67787 Sample Collection Date/Time: 07/17/2023 13:37

Sample Received: 07/18/2023 Sample Collector: ND

|                           |           |            |              |            |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <b>Analyst</b> |
| Total Calcium             | 19600     | 110        | ug/L         | 500        | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Copper              | Less Than | 3.4        | ug/L         | 10.0       | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Alkalinity as CaCO3 | 110       | 20         | mg/L         |            | 1          |             | SM 2320 B-1997 | 7/19/23     | AEU            |
| Nitrite as N              | 0.60      | 0.003      | mg/L         | 0.009      | 1          |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate as N              | 0.085     | 0.008      | mg/L         | 0.027      | 1          |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate-Nitrite as N      | 0.69      | 0.011      | mg/L         | 0.036      | 1          | M1          | EPA 300.0      | 7/18/23     | AEU            |
|                           |           |            |              |            |            |             |                |             |                |

Sample Comments:

Sample Description: W76 P4 Landfill CCR Well Sample

Sample ID: AE67788 Sample Collection Date/Time: 07/17/2023 14:03

Sample Received: 07/18/2023 Sample Collector: ND

| Parameter Parame | Result    | LOD   | Units   | LOQ   | DIL | Result<br><u>Flag</u> | Analysis<br>Method | Analysis<br><u>Date</u> | Analyst |
|--|-----------|-------|---------|-------|-----|-----------------------|--------------------|-------------------------|---------|
| 1 at affecter  |           |       |         |       |     |                       | <del></del>        |                         |         |
| Field Water Level  | 27.11     | 0.05  | feet    |       | 1   |                       | H2OD               | 7/17/23                 | N DUDA  |
| Field Temperature  | 18.9      | 0.1   | Degrees | (     | 1   |                       | TEMP               | 7/17/23                 | N DUDA  |
| Field Conductivity   | 636       | 0     | umhos   |       | 1   |                       | FCOND25            | 7/17/23                 | N DUDA  |
| Field pH   | 7.2       | 0.1   | Units   | 0.1   | 1   |                       | FIELDPH            | 7/17/23                 | N DUDA  |
| Total Zinc   | Less Than | 11.6  | ug/L    | 40.0  | 1   |                       | EPA 200.7          | 7/20/33                 | 020     |
| Total Silver   | Less Than | 3.2   | ug/L    | 10.0  | 1   |                       | EPA 200.7          | 7/20/33                 | 020     |
| Total Magnesium  | 12600     | 180   | ug/L    | 1000  | 1   |                       | EPA 200.7          | 7/20/33                 | 020     |
| Total Manganese  | 10.8      | 1.5   | ug/L    | 5.0   | 1   |                       | EPA 200.7          | 7/20/33                 | 020     |
| Total Hardness as CaCO3  | 99.9      | 1.0   | mg/L    | 5.4   | 1   |                       | Std Mtd 2340B      | 7/20/33                 | 020     |
| Total Calcium  | 19300     | 110   | ug/L    | 500   | 1   |                       | EPA 200.7          | 7/20/33                 | 020     |
| Total Copper   | 3.5       | 3.4   | ug/L    | 10.0  | 1   | J                     | EPA 200.7          | 7/20/33                 | 020     |
| Total Alkalinity as CaCO3  | 110       | 20    | mg/L    |       | 1   |                       | SM 2320 B-1997     | 7/19/23                 | AEU     |
| Nitrite as N   | 0.56      | 0.003 | mg/L    | 0.009 | 1   |                       | EPA 300.0          | 7/18/23                 | AEU     |
| Nitrate as N   | 0.29      | 0.008 | mg/L    | 0.027 | 1   |                       | EPA 300.0          | 7/18/23                 | AEU     |
| Nitrate-Nitrite as N   | 0.86      | 0.011 | mg/L    | 0.036 | 1   | M1                    | EPA 300.0          | 7/18/23                 | AEU     |
|  |           |       |         |       |     |                       |                    |                         |         |

Sample Comments:

| Sample Description: | W77     | P4 Landfill CCR Well Sample  |            |
|---------------------|---------|------------------------------|------------|
| Sample ID:          | AE67789 | Sample Collection Date/Time: | 07/17/2023 |

Sample Received: 07/18/2023 Sample Collector: ND

|                    |           |            |              |      |            | Result | Analysis  | Analysis    |                |
|--------------------|-----------|------------|--------------|------|------------|--------|-----------|-------------|----------------|
| <u>Parameter</u>   | Result    | <u>LOD</u> | <u>Units</u> | LOQ  | <u>DIL</u> | Flag   | Method    | <u>Date</u> | <b>Analyst</b> |
| Field Water Level  | 21.35     | 0.05       | feet         |      | 1          |        | H2OD      | 7/17/23     | N DUDA         |
| Field Temperature  | 15.1      | 0.1        | Degrees (    |      | 1          |        | TEMP      | 7/17/23     | N DUDA         |
| Field Conductivity | 679       | 0          | umhos        |      | 1          |        | FCOND25   | 7/17/23     | N DUDA         |
| Field pH           | 7.3       | 0.1        | Units        | 0.1  | 1          |        | FIELDPH   | 7/17/23     | N DUDA         |
| Total Zinc         | Less Than | 11.6       | ug/L         | 40.0 | 1          |        | EPA 200.7 | 7/20/33     | 020            |

14:36

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

| Sample Description: | W77      | P4 Landfill CCR We | Well Sample                  |            |       |  |  |  |  |
|---------------------|----------|--------------------|------------------------------|------------|-------|--|--|--|--|
| Sample ID:          | AE67789  | )                  | Sample Collection Date/Time: | 07/17/2023 | 14:36 |  |  |  |  |
| Sample Received:    | 07/18/20 | 23                 | Sample Collector:            | ND         |       |  |  |  |  |

|                           |           |            |              |       |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <u>Analyst</u> |
| Total Silver              | Less Than | 3.2        | ug/L         | 10.0  | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Magnesium           | 13300     | 180        | ug/L         | 1000  | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Manganese           | 21.0      | 1.5        | ug/L         | 5.0   | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Hardness as CaCO3   | 115       | 1.0        | mg/L         | 5.4   | 1          |             | Std Mtd 2340B  | 7/20/33     | 020            |
| Total Calcium             | 24100     | 110        | ug/L         | 500   | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Copper              | 7.5       | 3.4        | ug/L         | 10.0  | 1          | J           | EPA 200.7      | 7/20/33     | 020            |
| Total Alkalinity as CaCO3 | 150       | 20         | mg/L         |       | 1          |             | SM 2320 B-1997 | 7/19/23     | AEU            |
| Nitrite as N              | 0.70      | 0.003      | mg/L         | 0.009 | 1          |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate as N              | 0.20      | 0.008      | mg/L         | 0.027 | 1          |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate-Nitrite as N      | 0.89      | 0.011      | mg/L         | 0.036 | 1          | M1          | EPA 300.0      | 7/18/23     | AEU            |

Sample Comments:

| Sample Description: | QAQC1      | P4 Landfill CCR Well Sample  |            |       |  |  |  |  |
|---------------------|------------|------------------------------|------------|-------|--|--|--|--|
| Sample ID:          | AE67790    | Sample Collection Date/Time: | 07/17/2023 | 12:44 |  |  |  |  |
| Sample Received:    | 07/18/2023 | Sample Collector:            | ND         |       |  |  |  |  |

|                           |           |            |              |       |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <b>LOD</b> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <b>Analyst</b> |
| Total Zinc                | Less Than | 11.6       | ug/L         | 40.0  | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Silver              | Less Than | 3.2        | ug/L         | 10.0  | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Magnesium           | 16600     | 180        | ug/L         | 1000  | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Manganese           | 74.0      | 1.5        | ug/L         | 5.0   | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Hardness as CaCO3   | 130       | 1.0        | mg/L         | 5.4   | 1          |             | Std Mtd 2340B  | 7/20/33     | 020            |
| Total Calcium             | 24900     | 110        | ug/L         | 500   | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Copper              | Less Than | 3.4        | ug/L         | 10.0  | 1          |             | EPA 200.7      | 7/20/33     | 020            |
| Total Alkalinity as CaCO3 | 110       | 20         | mg/L         |       | 1          |             | SM 2320 B-1997 | 7/19/23     | AEU            |
| Nitrite as N              | 0.52      | 0.003      | mg/L         | 0.009 | 1          |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate as N              | 0.077     | 0.008      | mg/L         | 0.027 | 1          |             | EPA 300.0      | 7/18/23     | AEU            |
| Nitrate-Nitrite as N      | 0.59      | 0.011      | mg/L         | 0.036 | 1          | M1          | EPA 300.0      | 7/18/23     | AEU            |

| Sample Description: | EB 1 P4 Landfill | CCR Well Sample              |            |          |          |
|---------------------|------------------|------------------------------|------------|----------|----------|
| Sample ID:          | AE67791          | Sample Collection Date/Time: | 07/17/2023 | 15:35    |          |
| Sample Received:    | 07/18/2023       | Sample Collector:            | ND         |          |          |
|                     |                  |                              | Dogule     | Analysis | Analysis |

|                    |           |            |              |      |            | Result      | Analysis  | Analysis    |                |
|--------------------|-----------|------------|--------------|------|------------|-------------|-----------|-------------|----------------|
| <u>Parameter</u>   | Result    | <b>LOD</b> | <u>Units</u> | LOQ  | <u>DIL</u> | <u>Flag</u> | Method    | <u>Date</u> | <b>Analyst</b> |
| Field Temperature  | 25.1      | 0.1        | Degrees      | (    | 1          |             | TEMP      | 7/17/23     | N DUDA         |
| Field Conductivity | 26.2      | 0          | umhos        |      | 1          |             | FCOND25   | 7/17/23     | N DUDA         |
| Field pH           | 7.2       | 0.1        | Units        | 0.1  | 1          |             | FIELDPH   | 7/17/23     | N DUDA         |
| Total Zinc         | Less Than | 11.6       | ug/L         | 40.0 | 1          |             | EPA 200.7 | 7/24/23     | 020            |
| Total Silver       | Less Than | 3.2        | ug/L         | 10.0 | 1          |             | EPA 200.7 | 7/24/23     | 020            |

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

| Sample Description: | EB 1 | P4 Landfill CCR Well Sample |
|---------------------|------|-----------------------------|
|---------------------|------|-----------------------------|

Sample ID: AE67791 Sample Collection Date/Time: 07/17/2023 15:35

Sample Received: 07/18/2023 Sample Collector: ND

|                         |           |            |              |      |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | LOQ  | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Total Magnesium         | Less Than | 180        | ug/L         | 1000 | 1          |             | EPA 200.7     | 7/24/23     | 020            |
| Total Manganese         | Less Than | 1.5        | ug/L         | 5.0  | 1          |             | EPA 200.7     | 7/24/23     | 020            |
| Total Hardness as CaCO3 | Less Than | 1          | mg/L         | 5.4  | 1          |             | Std Mtd 2340B | 7/24/23     | 020            |
| Total Calcium           | 170       | 110        | ug/L         | 500  | 1          | JB          | EPA 200.7     | 7/24/23     | 020            |
| Total Copper            | Less Than | 3.4        | ug/L         | 10.0 | 1          |             | EPA 200.7     | 7/24/23     | 020            |

Sample Comments:

If there are any questions concerning this report, please contact: Laboratory Services at (414) 221-4595.

LOD and LOQ are adjusted for dilution factor.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

To: Eric Kovatch

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Wednesday, January 24, 2024

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





| Sample Description:     | W20D     | P4 Landfill C | CR Well Sam                  | ple           |       |                  |             |               |             |                |
|-------------------------|----------|---------------|------------------------------|---------------|-------|------------------|-------------|---------------|-------------|----------------|
| Sample ID:              | AE68378  | 3             | Sample Collection Date/Time: |               |       | 08/17/2023 10:03 |             |               |             |                |
| Sample Received:        | 08/18/20 | 23            | Samp                         | le Collector: |       | RAN              | MBOLL       |               |             |                |
|                         |          |               |                              |               |       |                  | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        |          | Result        | <b>LOD</b>                   | <u>Units</u>  | LOQ   | <u>DIL</u>       | <u>Flag</u> | <u>Method</u> | <u>Date</u> | <u>Analyst</u> |
| Field Water Level       |          | 23.27         | 0.05                         | feet          |       | 1                |             | H2OD          | 8/17/23     | RAMBOLL        |
| Field Temperature       |          | 17            | 0.1                          | Degrees       | (     | 1                |             | TEMP          | 8/17/23     | RAMBOLL        |
| Field Conductivity      |          | 490           | 0                            | umhos         |       | 1                |             | FCOND25       | 8/17/23     | RAMBOLL        |
| Field pH                |          | 8.1           | 0.1                          | Units         | 0.1   | 1                |             | FIELDPH       | 8/17/23     | RAMBOLL        |
| Total Calcium           |          | 24100         | 114                          | ug/L          | 500   | 1                |             | EPA 200.7     | 8/24/23     | 020            |
| Total Copper            |          | Less Than     | 3.4                          | ug/L          | 10.0  | 1                |             | EPA 200.7     | 8/24/23     | 020            |
| Total Magnesium         |          | 15600         | 182                          | ug/L          | 1000  | 1                |             | EPA 200.7     | 8/24/23     | 020            |
| Total Hardness as CaCO3 |          | 125           | 1                            | mg/L          | 5.4   | 1                |             | Std Mtd 2340B | 8/24/23     | 020            |
| Total Manganese         |          | 61.4          | 1.5                          | ug/L          | 5.0   | 1                |             | EPA 200.7     | 8/24/23     | 020            |
| Total Silver            |          | Less Than     | 3.2                          | ug/L          | 10.0  | 1                |             | EPA 200.7     | 8/24/23     | 020            |
| Total Zinc              |          | Less Than     | 11.6                         | ug/L          | 40.0  | 1                |             | EPA 200.7     | 8/24/23     | 020            |
| Nitrite as N            |          | 1.06          | 0.003                        | mg/L          | 0.009 | 1                |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate as N            |          | 0.66          | 0.008                        | mg/L          | 0.027 | 1                |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate-Nitrite as N    |          | 1.72          | 0.011                        | mg/L          | 0.036 | 1                |             | EPA 300.0     | 8/18/23     | CMW            |
| Sample Comments:        |          |               |                              |               |       |                  |             |               |             |                |

| Sample Description:     | W73      |           | P4 Landfill CCR Well Sample Sample Collection Date/Time |              |            |            |             |               |             |                |
|-------------------------|----------|-----------|---|--------------|------------|------------|-------------|---------------|-------------|----------------|
| Sample ID:              | AE6837   |           |   |              |            |            | 7/2023      | 09:29         |             |                |
| Sample Received:        | 08/18/20 | )23       | Sampl   | e Collector: |            | RAN        | MBOLL       |               |             |                |
|                         |          |           |   |              |            |            | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        |          | Result    | <b>LOD</b>  | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Field Water Level       |          | 25.78     | 0.05  | feet         |            | 1          |             | H2OD          | 8/17/23     | RAMBOLL        |
| Field Temperature       |          | 12        | 0.1   | Degrees      | l          | 1          |             | TEMP          | 8/17/23     | RAMBOLL        |
| Field Conductivity      |          | 535       | 0   | umhos        |            | 1          |             | FCOND25       | 8/17/23     | RAMBOLL        |
| Field pH                |          | 9.1       | 0.1   | Units        | 0.1        | 1          |             | FIELDPH       | 8/17/23     | RAMBOLL        |
| Total Calcium           |          | 20600     | 114   | ug/L         | 500        | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Copper            |          | Less Than | 3.4   | ug/L         | 10.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Magnesium         |          | 12900     | 182   | ug/L         | 1000       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Hardness as CaCO3 |          | 104       | 1   | mg/L         | 5.4        | 1          |             | Std Mtd 2340B | 8/24/23     | 020            |
| Total Manganese         |          | 21.5      | 1.5   | ug/L         | 5.0        | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Silver            |          | Less Than | 3.2   | ug/L         | 10.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Zinc              |          | Less Than | 11.6  | ug/L         | 40.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Nitrite as N            |          | 1.08      | 0.003   | mg/L         | 0.009      | 1          |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate as N            |          | 0.52      | 0.008   | mg/L         | 0.027      | 1          |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate-Nitrite as N    |          | 1.60      | 0.011   | mg/L         | 0.036      | 1          |             | EPA 300.0     | 8/18/23     | CMW            |

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

Sample Comments:

| Sample Description:     | W74      | P4 Landfill Co | CR Well Sam | ple            |              |            |             |               |             |                |
|-------------------------|----------|----------------|-------------|----------------|--------------|------------|-------------|---------------|-------------|----------------|
| Sample ID:              | AE6838   | 0              | Samp        | ole Collection | n Date/Time: | 08/1       | 7/2023      | 11:00         |             |                |
| Sample Received:        | 08/18/20 | 023            | Samp        | ole Collector: |              | RAN        | MBOLL       |               |             |                |
|                         |          |                |             |                |              |            | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        |          | Result         | <b>LOD</b>  | <u>Units</u>   | LOQ          | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Field Water Level       |          | 25.05          | 0.05        | feet           |              | 1          |             | H2OD          | 8/17/23     | RAMBOLL        |
| Field Temperature       |          | 11             | 0.1         | Degrees        | (            | 1          |             | TEMP          | 8/17/23     | RAMBOLL        |
| Field Conductivity      |          | 500            | 0           | umhos          |              | 1          |             | FCOND25       | 8/17/23     | RAMBOLL        |
| Field pH                |          | 8.9            | 0.1         | Units          | 0.1          | 1          |             | FIELDPH       | 8/17/23     | RAMBOLL        |
| Total Calcium           |          | 18800          | 114         | ug/L           | 500          | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Copper            |          | Less Than      | 3.4         | ug/L           | 10.0         | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Magnesium         |          | 14500          | 182         | ug/L           | 1000         | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Hardness as CaCO3 |          | 107            | 1           | mg/L           | 5.4          | 1          |             | Std Mtd 2340B | 8/24/23     | 020            |
| Total Manganese         |          | 16.7           | 1.5         | ug/L           | 5.0          | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Silver            |          | Less Than      | 3.2         | ug/L           | 10.0         | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Zinc              |          | 22.2           | 11.6        | ug/L           | 40.0         | 1          | J           | EPA 200.7     | 8/24/23     | 020            |
| Nitrite as N            |          | 1.00           | 0.003       | mg/L           | 0.009        | 1          |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate as N            |          | 0.048          | 0.008       | mg/L           | 0.027        | 1          |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate-Nitrite as N    |          | 1.05           | 0.011       | mg/L           | 0.036        | 1          |             | EPA 300.0     | 8/18/23     | CMW            |

|                         | Units feet Degrees umhos                     | <u>LOQ</u>   |  | 7/2023<br>MBOLL<br>Result<br>Flag  | Analysis Method H2OD TEMP   | Analysis <u>Date</u> 8/17/23   | <u>Analyst</u><br>RAMBOLL<br>RAMBOLL   |
|-------------------------|--|--|--|--|---|--|--|
| LOD<br>0.05<br>0.1<br>0 | Units feet Degrees umhos                     | <u>LOQ</u>   |  | Result   | Method<br>H2OD  | <u>Date</u> 8/17/23  | RAMBOLL  |
| 0.05<br>0.1<br>0        | feet Degrees umhos                           |  | <b>DIL</b> 1  1  |  | Method<br>H2OD  | <u>Date</u> 8/17/23  | RAMBOLL  |
| 0.05<br>0.1<br>0        | feet Degrees umhos                           |  | <b>DIL</b> 1  1  | Flag   | H2OD  | 8/17/23  | RAMBOLL  |
| 0.1<br>0                | Degrees<br>umhos                             | (  | 1  |  |   |  |  |
| 0                       | umhos  | (  | 1  |  | TEMP  | 8/17/23  | DAMBOLI  |
|                         |  |  |  |  |   | 0,17723  | KAMBULL  |
| 0.1                     |  |  | 1  |  | FCOND25   | 8/17/23  | RAMBOLL  |
| 0.1                     | Units  | 0.1  | 1  |  | FIELDPH   | 8/17/23  | RAMBOLL  |
| 114                     | ug/L   | 500  | 1  |  | EPA 200.7   | 8/24/23  | 020  |
| an 3.4                  | ug/L   | 10.0   | 1  |  | EPA 200.7   | 8/24/23  | 020  |
| 182                     | ug/L   | 1000   | 1  |  | EPA 200.7   | 8/24/23  | 020  |
| 1                       | mg/L   | 5.4  | 1  |  | Std Mtd 2340B   | 8/24/23  | 020  |
| 1.5                     | ug/L   | 5.0  | 1  |  | EPA 200.7   | 8/24/23  | 020  |
| an 3.2                  | ug/L   | 10.0   | 1  |  | EPA 200.7   | 8/24/23  | 020  |
| an 11.6                 | ug/L   | 40.0   | 1  |  | EPA 200.7   | 8/24/23  | 020  |
| 0.003                   | mg/L   | 0.009  | 1  |  | EPA 300.0   | 8/18/23  | CMW  |
| 0.008                   | mg/L   | 0.027  | 1  |  | EPA 300.0   | 8/18/23  | CMW  |
| 0.011                   | mg/L   | 0.036  | 1  |  | EPA 300.0   | 8/18/23  | CMW  |
|                         | 114 3.4 182 1 1.5 an 3.2 an 11.6 0.003 0.008 | 114 ug/L an 3.4 ug/L 182 ug/L 1 mg/L 1.5 ug/L an 3.2 ug/L an 11.6 ug/L 0.003 mg/L 0.008 mg/L | 114 ug/L 500 an 3.4 ug/L 10.0 182 ug/L 1000 1 mg/L 5.4 1.5 ug/L 5.0 an 3.2 ug/L 10.0 an 11.6 ug/L 40.0 0.003 mg/L 0.009 0.008 mg/L 0.027 | 114 ug/L 500 1  an 3.4 ug/L 10.0 1  182 ug/L 1000 1  1 mg/L 5.4 1  1.5 ug/L 5.0 1  an 3.2 ug/L 10.0 1  an 11.6 ug/L 40.0 1  0.003 mg/L 0.009 1  0.008 mg/L 0.027 1 | 114 ug/L 500 1  3.4 ug/L 10.0 1  182 ug/L 1000 1  1 mg/L 5.4 1  1.5 ug/L 5.0 1  an 3.2 ug/L 10.0 1  an 11.6 ug/L 40.0 1  0.003 mg/L 0.009 1  0.008 mg/L 0.027 1 | 114 ug/L 500 1 EPA 200.7  an 3.4 ug/L 10.0 1 EPA 200.7  182 ug/L 1000 1 EPA 200.7  1 mg/L 5.4 1 Std Mtd 2340B  1.5 ug/L 5.0 1 EPA 200.7  an 3.2 ug/L 10.0 1 EPA 200.7  an 11.6 ug/L 40.0 1 EPA 200.7  0.003 mg/L 0.009 1 EPA 300.0  0.008 mg/L 0.027 1 EPA 300.0 | 114 ug/L 500 1 EPA 200.7 8/24/23 an 3.4 ug/L 10.0 1 EPA 200.7 8/24/23 182 ug/L 1000 1 EPA 200.7 8/24/23 1 mg/L 5.4 1 Std Mtd 2340B 8/24/23 1.5 ug/L 5.0 1 EPA 200.7 8/24/23 an 3.2 ug/L 10.0 1 EPA 200.7 8/24/23 an 11.6 ug/L 40.0 1 EPA 200.7 8/24/23 0.003 mg/L 0.009 1 EPA 300.0 8/18/23 0.008 mg/L 0.027 1 EPA 300.0 8/18/23 |

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

Sample Comments:

| Sample Description: Sample ID: Sample Received: | W76 P4 Landfill<br>AE68382<br>08/18/2023 |            | Sample Collection Date/Time: Sample Collector: |       |            | 08/17/2023 12:25<br>RAMBOLL |                           |                         |                |
|---|--|------------|--|-------|------------|-----------------------------|---------------------------|-------------------------|----------------|
| <u>Parameter</u>                                | <u>Result</u>                            | <u>LOD</u> | <u>Units</u>                                   | LOQ   | <u>DIL</u> | Result<br><u>Flag</u>       | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
| Field Water Level                               | 27.8                                     | 0.05       | feet   |       | 1          |                             | H2OD                      | 8/17/23                 | RAMBOLI        |
| Field Temperature                               | 14                                       | 0.1        | Degrees  | (     | 1          |                             | TEMP                      | 8/17/23                 | RAMBOLI        |
| Field Conductivity                              | 445                                      | 0          | umhos  |       | 1          |                             | FCOND25                   | 8/17/23                 | RAMBOLI        |
| Field pH  | 9.1                                      | 0.1        | Units  | 0.1   | 1          |                             | FIELDPH                   | 8/17/23                 | RAMBOLI        |
| Total Calcium                                   | 18400                                    | 114        | ug/L   | 500   | 1          |                             | EPA 200.7                 | 8/24/23                 | 020            |
| Total Copper                                    | Less Than                                | 3.4        | ug/L   | 10    | 1          |                             | EPA 200.7                 | 8/24/23                 | 020            |
| Total Magnesium                                 | 11800                                    | 182        | ug/L   | 1000  | 1          |                             | EPA 200.7                 | 8/24/23                 | 020            |
| Total Hardness as CaCO3                         | 94.7                                     | 1          | mg/L   | 5.4   | 1          |                             | Std Mtd 2340B             | 8/24/23                 | 020            |
| Total Manganese                                 | 14.0                                     | 1.5        | ug/L   | 5.0   | 1          |                             | EPA 200.7                 | 8/24/23                 | 020            |
| Total Silver                                    | Less Than                                | 3.2        | ug/L   | 10.0  | 1          |                             | EPA 200.7                 | 8/24/23                 | 020            |
| Total Zinc                                      | Less Than                                | 11.6       | ug/L   | 40.0  | 1          |                             | EPA 200.7                 | 8/24/23                 | 020            |
| Nitrite as N                                    | 1.01                                     | 0.003      | mg/L   | 0.009 | 1          |                             | EPA 300.0                 | 8/18/23                 | CMW            |
| Nitrate as N                                    | 6.22                                     | 0.008      | mg/L   | 0.027 | 1          |                             | EPA 300.0                 | 8/18/23                 | CMW            |
| Nitrate-Nitrite as N                            | 7.23                                     | 0.011      | mg/L   | 0.036 | 1          |                             | EPA 300.0                 | 8/18/23                 | CMW            |

| Sample Description:     | <b>W77</b> | P4 Landfill CC | ole        |              |            |            |             |               |             |                |
|-------------------------|------------|----------------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| Sample ID:              | AE6838     | 3              | Sampl      | e Collection | Date/Time: | 08/1       | 7/2023      | 12:55         |             |                |
| Sample Received:        | 08/18/20   | )23            | Sampl      | e Collector: |            | RAN        | MBOLL       |               |             |                |
|                         |            |                |            |              |            |            | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        |            | Result         | <b>LOD</b> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <b>Date</b> | <u>Analyst</u> |
| Field Water Level       |            | 21.52          | 0.05       | feet         |            | 1          |             | H2OD          | 8/17/23     | RAMBOLL        |
| Field Temperature       |            | 14             | 0.1        | Degrees      | (          | 1          |             | TEMP          | 8/17/23     | RAMBOLL        |
| Field Conductivity      |            | 580            | 0          | umhos        |            | 1          |             | FCOND25       | 8/17/23     | RAMBOLL        |
| Field pH                |            | 8.3            | 0.1        | Units        | 0.1        | 1          |             | FIELDPH       | 8/17/23     | RAMBOLL        |
| Total Calcium           |            | 22400          | 114        | ug/L         | 500        | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Copper            |            | 4.1            | 3.4        | ug/L         | 10.0       | 1          | J           | EPA 200.7     | 8/24/23     | 020            |
| Total Magnesium         |            | 12300          | 182        | ug/L         | 1000       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Hardness as CaCO3 |            | 107            | 1          | mg/L         | 5.4        | 1          |             | Std Mtd 2340B | 8/24/23     | 020            |
| Total Manganese         |            | 19.6           | 1.5        | ug/L         | 5.0        | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Silver            |            | Less Than      | 3.2        | ug/L         | 10.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Zinc              |            | Less Than      | 11.6       | ug/L         | 40.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Nitrite as N            |            | 1.38           | 0.003      | mg/L         | 0.009      | 1          |             | EPA 300.0     | 8/23/23     | CMW            |
| Nitrate as N            |            | 0.16           | 0.008      | mg/L         | 0.027      | 1          |             | EPA 300.0     | 8/23/23     | CMW            |
| Nitrate-Nitrite as N    |            | 1.53           | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0     | 8/23/23     | CMW            |
|                         |            |                |            |              |            |            |             |               |             |                |

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

| Sample Description:     | QAQC1 P4 Landfi | ill CCR Well S | ample         |            |            |             |               |             |                |
|-------------------------|-----------------|----------------|---------------|------------|------------|-------------|---------------|-------------|----------------|
| Sample ID:              | AE68384         | Samp           | le Collection | Date/Time: | 08/1       | 7/2023      | 10:08         |             |                |
| Sample Received:        | 08/18/2023      | Samp           | le Collector: |            | RAN        | MBOLL       |               |             |                |
|                         |                 |                |               |            |            | Result      | Analysis      | Analysis    |                |
| <u>Parameter</u>        | Result          | <u>LOD</u>     | <u>Units</u>  | LOQ        | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Total Calcium           | 23300           | 114            | ug/L          | 500        | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Copper            | Less Than       | 3.4            | ug/L          | 10.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Magnesium         | 15400           | 182            | ug/L          | 1000       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Hardness as CaCO3 | 122             | 1              | mg/L          | 5.4        | 1          |             | Std Mtd 2340B | 8/24/23     | 020            |
| Total Manganese         | 66.5            | 1.5            | ug/L          | 5.0        | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Silver            | Less Than       | 3.2            | ug/L          | 10.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Total Zinc              | Less Than       | 11.6           | ug/L          | 40.0       | 1          |             | EPA 200.7     | 8/24/23     | 020            |
| Nitrite as N            | 1.04            | 0.003          | mg/L          | 0.009      | 1          |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate as N            | 1.00            | 0.008          | mg/L          | 0.027      | 1          |             | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate-Nitrite as N    | 2.04            | 0.011          | mg/L          | 0.036      | 1          |             | EPA 300.0     | 8/18/23     | CMW            |

| Sample Description:     | EB1       | P4 Landfill ( | CR Well Sar | nple          |            |            |        |               |             |                |
|-------------------------|-----------|---------------|-------------|---------------|------------|------------|--------|---------------|-------------|----------------|
| Sample ID:              | AE68385   |               | Samp        | le Collection | Date/Time: | 08/1       | 7/2023 | 13:10         |             |                |
| Sample Received:        | 08/18/202 | 3             | Samp        | le Collector: |            | RAN        | MBOLL  |               |             |                |
|                         |           |               |             |               |            |            | Result | Analysis      | Analysis    |                |
| <u>Parameter</u>        |           | Result        | <u>LOD</u>  | <u>Units</u>  | <u>LOQ</u> | <u>DIL</u> | Flag   | Method        | <u>Date</u> | <b>Analyst</b> |
| Field Temperature       |           | 24            | 0.1         | Degrees       | ı          | 1          |        | TEMP          | 8/17/23     | RAMBOLL        |
| Field Conductivity      |           | 37            | 0           | umhos         |            | 1          |        | FCOND25       | 8/17/23     | RAMBOLL        |
| Field pH                |           | 8.7           | 0.1         | Units         | 0.1        | 1          |        | FIELDPH       | 8/17/23     | RAMBOLL        |
| Total Calcium           |           | 1640          | 114         | ug/L          | 500        | 1          |        | EPA 200.7     | 8/24/23     | 020            |
| Total Copper            |           | 4.8           | 3.4         | ug/L          | 10.0       | 1          | J      | EPA 200.7     | 8/24/23     | 020            |
| Total Magnesium         |           | 785           | 182         | ug/L          | 1000       | 1          | J      | EPA 200.7     | 8/24/23     | 020            |
| Total Hardness as CaCO3 |           | 7.32          | 1           | mg/L          | 5.4        | 1          |        | Std Mtd 2340B | 8/24/23     | 020            |
| Total Manganese         |           | 3.5           | 1.5         | ug/L          | 5.0        | 1          |        | EPA 200.7     | 8/24/23     | 020            |
| Total Silver            |           | Less Than     | 3.2         | ug/L          | 10.0       | 1          |        | EPA 200.7     | 8/24/23     | 020            |
| Total Zinc              |           | Less Than     | 11.6        | ug/L          | 40.0       | 1          |        | EPA 200.7     | 8/24/23     | 020            |
| Nitrite as N            |           | Less Than     | 0.003       | mg/L          | 0.009      | 1          |        | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate as N            |           | 0.21          | 0.008       | mg/L          | 0.027      | 1          |        | EPA 300.0     | 8/18/23     | CMW            |
| Nitrate-Nitrite as N    |           | 0.21          | 0.011       | mg/L          | 0.036      | 1          |        | EPA 300.0     | 8/18/23     | CMW            |
| Total Mercury           |           | 4.03          | 0.17        | ng/L          | 0.57       | 1          |        | EPA 1631E     | 8/25/23     | JLM            |
| Sample Comments:        |           |               |             |               |            |            |        |               |             |                |

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

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:

Laboratory Services at (414) 221-4595.

To: Eric Kovatch

Report Date:

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000



Wednesday, January 24, 2024

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

Sample Description: P4 Landfill CCR Well Sample W20D

Sample ID: AE68994 Sample Collection Date/Time: 09/21/2023 09:24

Sample Received: 09/22/2023 Sample Collector:

| Parameter               | <u>Result</u> | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|-------------------------|---------------|------------|--------------|-------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Field Water Level       | 23.17         | 0.05       | feet         |       | 1          |                       | H2OD                      | 9/21/23                 | RAMBOLL        |
| Field Temperature       | 13.3          | 0.1        | Degrees      | ſ     | 1          |                       | TEMP                      | 9/21/23                 | RAMBOLL        |
| Field Conductivity      | 678           | 0          | umhos        |       | 1          |                       | FCOND25                   | 9/21/23                 | RAMBOLL        |
| Field pH                | 7.9           | 0.1        | Units        | 0.1   | 1          |                       | FIELDPH                   | 9/21/23                 | RAMBOLL        |
| Total Hardness as CaCO3 | 133           | 2.5        | mg/L         | 13.5  | 1          |                       | Std Mtd 2340B             | 10/3/23                 | 020            |
| Nitrate-Nitrite as N    | 1.3           | 0.011      | mg/L         | 0.036 | 1          |                       | EPA 300.0                 | 9/21/23                 | AEU            |
| Total Calcium           | 25600         | 284        | ug/L         | 1500  | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Copper            | Less Than     | 8.4        | ug/L         | 25.0  | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Magnesium         | 16800         | 455        | ug/L         | 2500  | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Manganese         | 21.9          | 3.9        | ug/L         | 12.5  | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Silver            | Less Than     | 8.0        | ug/L         | 25.0  | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Zinc              | Less Than     | 28.9       | ug/L         | 100   | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
|                         |               |            |              |       |            |                       |                           |                         |                |

Sample Comments:

Sample Description: P4 Landfill CCR Well Sample W73

Sample ID: AE68995 Sample Collection Date/Time: 09/21/2023 14:31

Sample Received: 09/22/2023 Sample Collector:

|                         |           |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Field Water Level       | 25.85     | 0.05       | feet         |            | 1          |             | H2OD          | 9/21/23     | RAMBOLL        |
| Field Temperature       | 12.5      | 0.1        | Degrees (    |            | 1          |             | TEMP          | 9/21/23     | RAMBOLL        |
| Field Conductivity      | 580       | 0          | umhos        |            | 1          |             | FCOND25       | 9/21/23     | RAMBOLL        |
| Field pH                | 8.4       | 0.1        | Units        | 0.1        | 1          |             | FIELDPH       | 9/21/23     | RAMBOLL        |
| Total Hardness as CaCO3 | 118       | 1.0        | mg/L         | 5.4        | 1          |             | Std Mtd 2340B | 10/3/23     | 020            |
| Nitrate-Nitrite as N    | 2.2       | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0     | 9/21/23     | AEU            |
| Total Calcium           | 23200     | 114        | ug/L         | 500        | 1          |             | EPA 200.7     | 10/9/23     | 020            |
| Total Copper            | Less Than | 3.4        | ug/L         | 10         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Magnesium         | 14600     | 182        | ug/L         | 1000       | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Manganese         | 26.9      | 1.5        | ug/L         | 5.0        | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Silver            | Less Than | 3.2        | ug/L         | 10         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Zinc              | Less Than | 11.6       | ug/L         | 40         | 1          |             | EPA 200.7     | 10/3/23     | 020            |

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

Sample Comments:

Sample Description: P4 Landfill CCR Well Sample W74

Sample ID: AE68996 Sample Collection Date/Time: 09/21/2023 10:16

Sample Received: 09/22/2023 Sample Collector:

|                         |           |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Field Water Level       | 24.36     | 0.05       | feet         |            | 1          |             | H2OD          | 9/21/23     | RAMBOLL        |
| Field Temperature       | 16.9      | 0.1        | Degrees      | (          | 1          |             | TEMP          | 9/21/23     | RAMBOLL        |
| Field Conductivity      | 638       | 0          | umhos        |            | 1          |             | FCOND25       | 9/21/23     | RAMBOLL        |
| Field pH                | 7.5       | 0.1        | Units        | 0.1        | 1          |             | FIELDPH       | 9/21/23     | RAMBOLL        |
| Total Hardness as CaCO3 | 107       | 1.0        | mg/L         | 5.4        | 1          |             | Std Mtd 2340B | 10/3/23     | 020            |
| Nitrate-Nitrite as N    | 1.9       | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0     | 9/21/23     | AEU            |
| Total Calcium           | 18700     | 114        | ug/L         | 500        | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Copper            | 3.7       | 3.4        | ug/L         | 10         | 1          | J           | EPA 200.7     | 10/3/23     | 020            |
| Total Magnesium         | 14600     | 182        | ug/L         | 1000       | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Manganese         | 2.7       | 1.5        | ug/L         | 5          | 1          | J           | EPA 200.7     | 10/3/23     | 020            |
| Total Silver            | Less Than | 3.2        | ug/L         | 10         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Zinc              | Less Than | 11.6       | ug/L         | 40         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
|                         |           |            |              |            |            |             |               |             |                |

Sample Comments:

Sample Description: P4 Landfill CCR Well Sample W75

Sample ID: AE68997 Sample Collection Date/Time: 09/21/2023 11:11

Sample Received: 09/22/2023 Sample Collector:

|                         |           |            |              |            |     | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|-----|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | DIL | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Field Water Level       | 25.89     | 0.05       | feet         |            | 1   |             | H2OD          | 9/21/23     | RAMBOLL        |
| Field Temperature       | 17.6      | 0.1        | Degrees      | (          | 1   |             | TEMP          | 9/21/23     | RAMBOLL        |
| Field Conductivity      | 591       | 0          | umhos        |            | 1   |             | FCOND25       | 9/21/23     | RAMBOLL        |
| Field pH                | 7.4       | 0.1        | Units        | 0.1        | 1   |             | FIELDPH       | 9/21/23     | RAMBOLL        |
| Total Hardness as CaCO3 | 106       | 1.0        | mg/L         | 5.4        | 1   |             | Std Mtd 2340B | 10/3/23     | 020            |
| Nitrate-Nitrite as N    | 1.6       | 0.011      | mg/L         | 0.036      | 1   |             | EPA 300.0     | 9/21/23     | AEU            |
| Total Calcium           | 20100     | 114        | ug/L         | 500        | 1   |             | EPA 200.7     | 10/3/23     | 020            |
| Total Copper            | 4.7       | 3.4        | ug/L         | 10         | 1   | J           | EPA 200.7     | 10/3/23     | 020            |
| Total Magnesium         | 13400     | 182        | ug/L         | 1000       | 1   |             | EPA 200.7     | 10/3/23     | 020            |
| Total Manganese         | 2.1       | 1.5        | ug/L         | 5          | 1   | J           | EPA 200.7     | 10/3/23     | 020            |
| Total Silver            | Less Than | 3.2        | ug/L         | 10         | 1   |             | EPA 200.7     | 10/3/23     | 020            |
| Total Zinc              | 13.8      | 11.6       | ug/L         | 40         | 1   | J           | EPA 200.7     | 10/3/23     | 020            |
|                         |           |            |              |            |     |             |               |             |                |

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

Sample Description: P4 Landfill CCR Well Sample W76

Sample ID: AE68998 Sample Collection Date/Time: 09/21/2023 12:19

Sample Received: 09/22/2023 Sample Collector:

|                         |           |            |              |       |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|-------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <b>Analyst</b> |
| Field Water Level       | 27.94     | 0.05       | feet         |       | 1          |             | H2OD          | 9/21/23     | RAMBOLL        |
| Field Temperature       | 12.1      | 0.1        | Degrees (    |       | 1          |             | TEMP          | 9/21/23     | RAMBOLL        |
| Field Conductivity      | 588       | 0          | umhos        |       | 1          |             | FCOND25       | 9/21/23     | RAMBOLL        |
| Field pH                | 8.5       | 0.1        | Units        | 0.1   | 1          |             | FIELDPH       | 9/21/23     | RAMBOLL        |
| Total Hardness as CaCO3 | 98        | 1.0        | mg/L         | 5.4   | 1          |             | Std Mtd 2340B | 10/3/23     | 020            |
| Nitrate-Nitrite as N    | 1.9       | 0.011      | mg/L         | 0.036 | 1          |             | EPA 300.0     | 9/21/23     | AEU            |
| Total Calcium           | 19000     | 114        | ug/L         | 500   | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Copper            | Less Than | 3.4        | ug/L         | 10    | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Magnesium         | 12200     | 182        | ug/L         | 1000  | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Manganese         | 12.2      | 1.5        | ug/L         | 5     | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Silver            | Less Than | 3.2        | ug/L         | 10    | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Zinc              | 12.5      | 11.6       | ug/L         | 40    | 1          | J           | EPA 200.7     | 10/3/23     | 020            |
|                         |           |            |              |       |            |             |               |             |                |

Sample Comments:

Sample Description: P4 Landfill CCR Well Sample W77

Sample ID: AE68999 Sample Collection Date/Time: 09/21/2023 13:27

Sample Received: 09/22/2023 Sample Collector:

|                         |           |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <b>LOD</b> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method        | <u>Date</u> | <u>Analyst</u> |
| Field Water Level       | 21.68     | 0.05       | feet         |            | 1          |             | H2OD          | 9/21/23     | RAMBOLL        |
| Field Temperature       | 11.4      | 0.1        | Degrees      | (          | 1          |             | TEMP          | 9/21/23     | RAMBOLL        |
| Field Conductivity      | 621       | 0          | umhos        |            | 1          |             | FCOND25       | 9/21/23     | RAMBOLL        |
| Field pH                | 7.9       | 0.1        | Units        | 0.1        | 1          |             | FIELDPH       | 9/21/23     | RAMBOLL        |
| Total Hardness as CaCO3 | 121       | 1.0        | mg/L         | 5.4        | 1          |             | Std Mtd 2340B | 10/3/23     | 020            |
| Nitrate-Nitrite as N    | 1.9       | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0     | 9/21/23     | AEU            |
| Total Calcium           | 25400     | 114        | ug/L         | 500        | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Copper            | Less Than | 3.4        | ug/L         | 10         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Magnesium         | 14000     | 182        | ug/L         | 1000       | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Manganese         | 64.9      | 1.5        | ug/L         | 5          | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Silver            | Less Than | 3.2        | ug/L         | 10         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Zinc              | Less Than | 11.6       | ug/L         | 40         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
|                         |           |            |              |            |            |             |               |             |                |

Sample Comments:

Sample Description: P4 Landfill CCR Well Sample QA/QC1

Sample ID: AE69000 Sample Collection Date/Time: 09/21/2023 11:16

Sample Received: 09/22/2023 Sample Collector:

| <u>Parameter</u>        | <u>Result</u> | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|-------------------------|---------------|------------|--------------|-------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Total Hardness as CaCO3 | 106           | 1.0        | mg/L         | 5.4   | 1          |                       | Std Mtd 2340B             | 10/3/23                 | 020            |
| Nitrate-Nitrite as N    | 1.7           | 0.011      | mg/L         | 0.036 | 1          |                       | EPA 300.0                 | 9/21/23                 | AEU            |

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

Sample Description: P4 Landfill CCR Well Sample QA/QC1

Sample ID: AE69000 Sample Collection Date/Time: 09/21/2023 11:16

Sample Received: 09/22/2023 Sample Collector:

| <u>Parameter</u> | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
|------------------|-----------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| Total Calcium    | 20300     | 114        | ug/L         | 500        | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Copper     | Less Than | 3.4        | ug/L         | 10         | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Magnesium  | 13500     | 182        | ug/L         | 1000       | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Manganese  | 3.8       | 1.5        | ug/L         | 5          | 1          | J                     | EPA 200.7                 | 10/3/23                 | 020            |
| Total Silver     | Less Than | 3.2        | ug/L         | 10.0       | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |
| Total Zine       | Less Than | 11.6       | ug/L         | 40         | 1          |                       | EPA 200.7                 | 10/3/23                 | 020            |

Sample Comments:

Sample Description: P4 Landfill CCR Well Sample EB1

Sample ID: AE69001 Sample Collection Date/Time: 09/21/2023 15:00

Sample Received: 09/22/2023 Sample Collector:

|                         |           |            |              |            |            | Result      | Analysis      | Analysis    |                |
|-------------------------|-----------|------------|--------------|------------|------------|-------------|---------------|-------------|----------------|
| <u>Parameter</u>        | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | <u>Method</u> | <u>Date</u> | <u>Analyst</u> |
| Field Temperature       | 24.2      | 0.1        | Degrees (    |            | 1          |             | TEMP          | 9/21/23     | RAMBOLL        |
| Field Conductivity      | 14        | 0          | umhos        |            | 1          |             | FCOND25       | 9/21/23     | RAMBOLL        |
| Field pH                | 6.0       | 0.1        | Units        | 0.1        | 1          |             | FIELDPH       | 9/21/23     | RAMBOLL        |
| Total Hardness as CaCO3 | Less Than | 1.0        | mg/L         | 5.4        | 1          |             | Std Mtd 2340B | 10/3/23     | 020            |
| Nitrate-Nitrite as N    | 0.062     | 0.011      | mg/L         | 0.036      | 1          |             | EPA 300.0     | 9/21/23     | AEU            |
| Total Calcium           | 124       | 114        | ug/L         | 500        | 1          | J           | EPA 200.7     | 10/3/23     | 020            |
| Total Copper            | Less Than | 3.4        | ug/L         | 10         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Magnesium         | Less Than | 182        | ug/L         | 1000       | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Manganese         | Less Than | 1.5        | ug/L         | 5          | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Silver            | Less Than | 3.2        | ug/L         | 10         | 1          |             | EPA 200.7     | 10/3/23     | 020            |
| Total Zinc              | Less Than | 11.6       | ug/L         | 40         | 1          |             | EPA 200.7     | 10/3/23     | 020            |

Sample Comments:

LOD and LOQ are adjusted for dilution factor.

If there are any questions concerning this report, please contact: Laboratory Services at (414) 221-4595.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

To: Eric Kovatch

PSB Annex A231

From: WEC Business Services

Laboratory Services PSBA-A070 WDNR Cert # 241329000

Report Date: Friday, December 1, 2023

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

Sample Description: W75 P4 Landfill CCR Well Sample

Sample ID: AE69686 Sample Collection Date/Time: 10/30/2023 09:46

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                           |           |            |              |            |     | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|------------|-----|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | DIL | <u>Flag</u> | <u>Method</u>  | <u>Date</u> | <u>Analyst</u> |
| Field Water Level         | 25.09     | 0.05       | feet         |            | 1   |             | H2OD           | 10/30/23    | RAMBOLL        |
| Field Temperature         | 9.0       | 0.1        | Degrees (    |            | 1   |             | TEMP           | 10/30/23    | RAMBOLL        |
| Field Conductivity        | 528       | 0          | umhos        |            | 1   |             | FCOND25        | 10/30/23    | RAMBOLL        |
| Field pH                  | 7.4       | 0.1        | Units        | 0.1        | 1   |             | FIELDPH        | 10/30/23    | RAMBOLL        |
| Total Dissolved Solids    | 340       | 8.7        | mg/L         | 20         | 1   |             | Std Mtd 2540 C | 11/2/23     | 020            |
| Total Fluoride            | 1.2       | 0.095      | mg/L         | 0.32       | 1   |             | EPA 300.0      | 11/16/23    | 020            |
| Total Chloride            | 8.7       | 0.59       | mg/L         | 2.0        | 1   |             | EPA 300.0      | 11/16/23    | 020            |
| Total Sulfate             | 133       | 4.4        | mg/L         | 20         | 10  |             | EPA 300.0      | 11/15/23    | 020            |
| Total Boron               | 434       | 17.3       | ug/L         | 40         | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Calcium             | 19400     | 114        | ug/L         | 500        | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Calcium         | 21100     | 114        | ug/L         | 500        | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Chloride        | 8.7       | 0.59       | mg/L         | 2          | 1   |             | EPA 300.0      | 11/14/23    | 020            |
| Dissolved Magnesium       | 14300     | 182        | ug/L         | 1000       | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sodium          | 81500     | 350        | ug/L         | 500        | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sulfate         | 129       | 4.4        | mg/L         | 20         | 10  |             | EPA 300.0      | 11/14/23    | 020            |
| Bicarbonate Ion           | 123       | 5.0        | mg/L         | 10.0       | 1   |             | HCO3           | 11/13/23    | 020            |
| Carbonate Ion             | Less Than | 5.0        | mg/L         | 10.0       | 1   |             | CO3            | 11/13/23    | 020            |
| Dissolved Potassium       | 3120      | 325        | ug/L         | 1000       | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Alkalinity as CaCO3 | 124       | 5.0        | mg/L         | 10.0       | 1   |             | SM 2320 B-1997 | 11/9/23     | 020            |
| Total Hardness as CaCO3   | 102       | 1.0        | mg/L         | 5.4        | 1   |             | Std Mtd 2340B  | 11/2/23     | 020            |
| Dissolved Oxygen-Field    | 1.13      | 0.1        | mg/l         |            | 1   |             | FIELDDO        | 10/30/23    | RAMBOLL        |
| Turbidity                 | 0.0       | 0.1        | NTU'S        |            | 1   |             | EPA 180.1      | 10/30/23    | RAMBOLL        |
| Redox Potential           | 167       | 1          | mV           |            | 1   |             | ASTM D1498-93  | 10/30/23    | RAMBOLL        |

Sample Comments:

Sample Description: QA/QC1 P4 Landfill CCR Well Sample

Sample ID: AE69687 Sample Collection Date/Time: 10/30/2023 09:51

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                        |        |            |              |            |            | Result      | Analysis       | Analysis    |                |
|------------------------|--------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>       | Result | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <b>Date</b> | <b>Analyst</b> |
| Total Dissolved Solids | 340    | 8.7        | mg/L         | 20         | 1          |             | Std Mtd 2540 C | 11/2/23     | 020            |
| Total Fluoride         | 1.1    | 0.095      | mg/L         | 0.32       | 1          |             | EPA 300.0      | 11/16/23    | 020            |
| Total Chloride         | 8.7    | 0.59       | mg/L         | 2.0        | 1          |             | EPA 300.0      | 11/16/23    | 020            |
| Total Sulfate          | 132    | 4.4        | mg/L         | 20.0       | 10         |             | EPA 300.0      | 11/15/23    | 020            |
| Total Boron            | 416    | 17.3       | ug/L         | 40.0       | 1          |             | EPA 200.7      | 11/2/23     | 020            |

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

| Sample Description: | OA/OC1 | P4 Landfill | CCR W | ell Sample |
|---------------------|--------|-------------|-------|------------|

Sample ID: AE69687 Sample Collection Date/Time: 10/30/2023 09:51

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                           |           |            |              |            |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | <b>Method</b>  | <u>Date</u> | <b>Analyst</b> |
| Total Calcium             | 18500     | 114        | ug/L         | 500        | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Calcium         | 19500     | 114        | ug/L         | 500        | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Chloride        | 8.7       | 0.59       | mg/L         | 2.0        | 1          |             | EPA 300.0      | 11/14/23    | 020            |
| Dissolved Magnesium       | 13200     | 182        | ug/L         | 1000       | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sodium          | 75400     | 350        | ug/L         | 500        | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sulfate         | 133       | 4.4        | mg/L         | 20         | 10         |             | EPA 300.0      | 11/14/23    | 020            |
| Bicarbonate Ion           | 126       | 5.0        | mg/L         | 10.0       | 1          |             | HCO3           | 11/13/23    | 020            |
| Carbonate Ion             | Less Than | 5.0        | mg/L         | 10.0       | 1          |             | CO3            | 11/13/23    | 020            |
| Dissolved Potassium       | 2820      | 325        | ug/L         | 1000       | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Total Alkalinity as CaCO3 | 127       | 5.0        | mg/L         | 10.0       | 1          |             | SM 2320 B-1997 | 11/9/23     | 020            |
| Total Hardness as CaCO3   | 97.5      | 1.0        | mg/L         | 5.4        | 1          |             | Std Mtd 2340B  | 11/2/23     | 020            |
|                           |           |            |              |            |            |             |                |             |                |

Sample Comments:

Sample Description: W76 P4 Landfill CCR Well Sample

Sample ID: AE69688 Sample Collection Date/Time: 10/30/2023 10:54

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                           |           | r     |          |         |     |                |                    |                  |         |
|---------------------------|-----------|-------|----------|---------|-----|----------------|--------------------|------------------|---------|
| Parameter                 | Result    | LOD   | Units    | LOQ     | DIL | Result<br>Flag | Analysis<br>Method | Analysis<br>Date | Analyst |
|                           | 26.01     | 0.05  | <u> </u> | <u></u> |     |                | Haop               | 10/20/22         | RAMBOLL |
| Field Water Level         | 26.01     | 0.05  | feet     |         | 1   |                | H2OD               | 10/30/23         |         |
| Field Temperature         | 10.1      | 0.1   | Degrees  | (       | 1   |                | TEMP               | 10/30/23         | RAMBOLL |
| Field Conductivity        | 523       | 0     | umhos    |         | 1   |                | FCOND25            | 10/30/23         | RAMBOLL |
| Field pH                  | 8.3       | 0.1   | Units    | 0.1     | 1   |                | FIELDPH            | 10/30/23         | RAMBOLL |
| Total Dissolved Solids    | 344       | 8.7   | mg/L     | 20.0    | 1   |                | Std Mtd 2540 C     | 11/2/23          | 020     |
| Total Fluoride            | 1.1       | 0.095 | mg/L     | 0.32    | 1   |                | EPA 300.0          | 11/16/23         | 020     |
| Total Chloride            | 10.6      | 0.59  | mg/L     | 2.0     | 1   |                | EPA 300.0          | 11/16/23         | 020     |
| Total Sulfate             | 139       | 4.4   | mg/L     | 20.0    | 10  |                | EPA 300.0          | 11/15/23         | 020     |
| Total Boron               | 450       | 17.3  | ug/L     | 40      | 1   |                | EPA 200.7          | 11/2/23          | 020     |
| Total Calcium             | 18900     | 114   | ug/L     | 500     | 1   |                | EPA 200.7          | 11/2/23          | 020     |
| Dissolved Calcium         | 19400     | 114   | ug/L     | 500     | 1   |                | EPA 200.7          | 11/2/23          | 020     |
| Dissolved Chloride        | 10.6      | 0.59  | mg/L     | 2       | 1   |                | EPA 300.0          | 11/14/23         | 020     |
| Dissolved Magnesium       | 12600     | 182   | ug/L     | 1000    | 1   |                | EPA 200.7          | 11/2/23          | 020     |
| Dissolved Sodium          | 81800     | 350   | ug/L     | 500     | 1   |                | EPA 200.7          | 11/2/23          | 020     |
| Dissolved Sulfate         | 138       | 4.4   | mg/L     | 20      | 10  |                | EPA 300.0          | 11/2/23          | 020     |
| Bicarbonate Ion           | 121       | 5.0   | mg/L     | 10.0    | 1   |                | HCO3               | 11/13/23         | 020     |
| Carbonate Ion             | Less Than | 5.0   | mg/L     | 10.0    | 1   |                | CO3                | 11/13/23         | 020     |
| Dissolved Potassium       | 2310      | 325   | ug/L     | 1000    | 1   |                | EPA 200.7          | 11/2/23          | 020     |
| Total Alkalinity as CaCO3 | 122       | 5.0   | mg/L     | 10.0    | 1   |                | SM 2320 B-1997     | 11/9/23          | 020     |
| Total Hardness as CaCO3   | 96.9      | 1.0   | mg/L     | 5.4     | 1   |                | Std Mtd 2340B      | 11/2/23          | 020     |
| Dissolved Oxygen-Field    | 1.2       | 0.1   | mg/l     |         | 1   |                | FIELDDO            | 10/30/23         | RAMBOLL |
| Turbidity                 | 2.1       | 0.1   | NTU'S    |         | 1   |                | EPA 180.1          | 10/30/23         | RAMBOLL |
| Redox Potential           | -81       | 1     | mV       |         | 1   |                | ASTM D1498-93      | 10/30/23         | RAMBOLL |

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

### Sample Comments:

Sample Description:

| Sample Description:<br>Sample ID:<br>Sample Received: | W77 P4 Landfill CCR V<br>AE69689<br>10/31/2023 | Samp       | ell Sample Sample Collection Date/Time: Sample Collector: |            |            | 0/2023<br>MBOLL       | 11:49                     |                         |         |
|---|--|------------|---|------------|------------|-----------------------|---------------------------|-------------------------|---------|
| <u>Parameter</u>                                      | <u>Result</u>                                  | <u>LOD</u> | <u>Units</u>  | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | Analyst |
| Field Water Level                                     | 20.43  | 0.05       | feet  |            | 1          |                       | H2OD                      | 10/30/23                | RAMBOLL |
| Field Temperature                                     | 10.4   | 0.1        | Degrees   | (          | 1          |                       | TEMP                      | 10/30/23                | RAMBOLL |
| Field Conductivity                                    | 543  | 0          | umhos   |            | 1          |                       | FCOND25                   | 10/30/23                | RAMBOLL |
| Field pH  | 7.8  | 0.1        | Units   | 0.1        | 1          |                       | FIELDPH                   | 10/30/23                | RAMBOLL |
| Total Dissolved Solids                                | 366  | 8.7        | mg/L  | 20.0       | 1          |                       | Std Mtd 2540 C            | 11/2/23                 | 020     |
| Total Fluoride  | 1.2  | 0.095      | mg/L  | 0.32       | 1          |                       | EPA 300.0                 | 11/16/23                | 020     |
| Total Chloride  | 8.1  | 0.59       | mg/L  | 2.0        | 1          |                       | EPA 300.0                 | 11/16/23                | 020     |
| Total Sulfate   | 135  | 4.4        | mg/L  | 20         | 10         |                       | EPA 300.0                 | 11/15/23                | 020     |
| Total Boron   | 428  | 17.3       | ug/L  | 40.0       | 1          |                       | EPA 200.7                 | 11/2/23                 | 020     |
| Total Calcium   | 24500  | 114        | ug/L  | 500        | 1          |                       | EPA 200.7                 | 11/2/23                 | 020     |
| Dissolved Calcium                                     | 25400  | 114        | ug/L  | 500        | 1          |                       | EPA 200.7                 | 11/2/23                 | 020     |
| Dissolved Chloride                                    | 8.1  | 0.59       | mg/L  | 2.0        | 1          |                       | EPA 300.0                 | 11/16/23                | 020     |
| Dissolved Magnesium                                   | 14100  | 182        | ug/L  | 1000       | 1          |                       | EPA 200.7                 | 11/2/23                 | 020     |
| Dissolved Sodium                                      | 84300  | 350        | ug/L  | 500        | 1          |                       | EPA 200.7                 | 11/2/23                 | 020     |
| Dissolved Sulfate                                     | 135  | 4.4        | mg/L  | 20.0       | 10         |                       | EPA 300.0                 | 11/14/23                | 020     |
| Bicarbonate Ion                                       | 147  | 5.0        | mg/L  | 10.0       | 1          |                       | HCO3                      | 11/13/23                | 020     |
| Carbonate Ion   | Less Than                                      | 5.0        | mg/L  | 10.0       | 1          |                       | CO3                       | 11/13/23                | 020     |
| Dissolved Potassium                                   | 2280   | 325        | ug/L  | 1000       | 1          |                       | EPA 200.7                 | 11/2/23                 | 020     |
| Total Alkalinity as CaCO3                             | 147  | 5.0        | mg/L  | 10.0       | 1          |                       | SM 2320 B-1997            | 11/9/23                 | 020     |
| Total Hardness as CaCO3                               | 117  | 1.0        | mg/L  | 5.4        | 1          |                       | Std Mtd 2340B             | 11/2/23                 | 020     |
| Redox Potential                                       | -63  | 1          | mV  |            | 1          |                       | ASTM D1498-93             | 10/30/23                | RAMBOLL |
| Turbidity   | 2.4  | 0.1        | NTU'S   |            | 1          |                       | EPA 180.1                 | 10/30/23                | RAMBOLL |
| Dissolved Oxygen-Field                                | 1.2  | 0.1        | mg/l  |            | 1          |                       | FIELDDO                   | 10/30/23                | RAMBOLL |
| Sample Comments:                                      |  |            |   |            |            |                       |                           |                         |         |

| Sample ID:             | AE69690    | Sampl      | e Collection Date/Time: 10/30/2023 12:53 |      |     |                |                    |                         |         |
|------------------------|------------|------------|--|------|-----|----------------|--------------------|-------------------------|---------|
| Sample Received:       | 10/31/2023 | Sampl      | e Collector:                             |      | RAM | /BOLL          |                    |                         |         |
| Parameter              | Result     | <u>LOD</u> | Units                                    | LOQ  | DIL | Result<br>Flag | Analysis<br>Method | Analysis<br><u>Date</u> | Analyst |
| 1 at ameter            |            |            |  |      |     |                |                    |                         |         |
| Field Water Level      | 24.96      | 0.05       | feet                                     |      | 1   |                | H2OD               | 10/30/23                | RAMBOLL |
| Field Temperature      | 11.8       | 0.1        | Degrees (                                |      | 1   |                | TEMP               | 10/30/23                | RAMBOLL |
| Field Conductivity     | 459        | 0          | umhos                                    |      | 1   |                | FCOND25            | 10/30/23                | RAMBOLL |
| Field pH               | 8.24       | 0.1        | Units                                    | 0.1  | 1   |                | FIELDPH            | 10/30/23                | RAMBOLL |
| Total Dissolved Solids | 338        | 8.7        | mg/L                                     | 20.0 | 1   |                | Std Mtd 2540 C     | 11/1/23                 | 020     |
| Total Fluoride         | 1.1        | 0.095      | mg/L                                     | 0.32 | 1   |                | EPA 300.0          | 11/1/23                 | 020     |
| Total Chloride         | 11.2       | 0.59       | mg/L                                     | 2.0  | 1   |                | EPA 300.0          | 11/1/23                 | 020     |
| Total Sulfate          | 132        | 4.4        | mg/L                                     | 20.0 | 1   |                | EPA 300.0          | 11/1/23                 | 020     |

W73 P4 Landfill CCR Well Sample

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

Sample Description: W73 P4 Landfill CCR Well Sample

Sample ID: AE69690 Sample Collection Date/Time: 10/30/2023 12:53

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                                    |           |            |              |            |            | Result      | Analysis       | Analysis    |                |
|------------------------------------|-----------|------------|--------------|------------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>                   | Result    | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <b>Analyst</b> |
| Total Boron                        | 447       | 17.3       | ug/L         | 40.0       | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Total Calcium                      | 19000     | 114        | ug/L         | 500        | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Calcium                  | 18200     | 114        | ug/L         | 500        | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Chloride                 | 11.1      | 0.59       | mg/L         | 2.0        | 1          |             | EPA 300.0      | 11/1/23     | 020            |
| Dissolved Magnesium                | 12100     | 182        | ug/L         | 1000       | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sodium                   | 75800     | 350        | ug/L         | 500        | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sulfate                  | 134       | 4.4        | mg/L         | 20.0       | 1          |             | EPA 300.0      | 11/1/23     | 020            |
| Bicarbonate Ion                    | 117       | 5.0        | mg/L         | 10.0       | 1          |             | HCO3           | 11/8/23     | 020            |
| Carbonate Ion                      | Less Than | 5.0        | mg/L         | 10.0       | 1          |             | CO3            | 11/8/23     | 020            |
| Dissolved Potassium                | 1460      | 325        | ug/L         | 1000       | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Total Alkalinity as CaCO3          | 120       | 5.0        | mg/L         | 10.0       | 1          |             | SM 2320 B-1997 | 11/1/23     | 020            |
| Total Hardness as CaCO3            | 98.7      | 1          | mg/L         | 5.4        | 1          |             | Std Mtd 2340B  | 11/2/23     | 020            |
| Total Filtered Alkalinity as CaCO3 | 117       | 5.0        | mg/l         | 10.0       | 1          |             | Std Mtd 2320 B | 11/1/23     | 020            |
| Dissolved Boron                    | 0.445     | 0.0173     | mg/L         | 0.040      | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Selenium                 | Less Than | 0.0122     | mg/L         | 0.04       | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Organic Carbon           | 2.1       | 0.19       | ppm          | 0.50       | 1          |             | Std Mtd 5310C  | 11/1/23     | 020            |
| Dissolved Molybdenum               | 0.105     | 0.0024     | mg/L         | 0.010      | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Redox Potential                    | -150      | 1          | mV           |            | 1          |             | ASTM D1498-93  | 10/30/23    | RAMBOLL        |
| Turbidity                          | 14.1      | 0.1        | NTU'S        |            | 1          |             | EPA 180.1      | 10/30/23    | RAMBOLL        |
| Dissolved Oxygen-Field             | 0.9       | 0.1        | mg/l         |            | 1          |             | FIELDDO        | 10/30/23    | RAMBOLL        |
|                                    |           |            |              |            |            |             |                |             |                |

Sample Comments:

Sample Description: W74 P4 Landfill CCR Well Sample

Sample ID: AE69691 Sample Collection Date/Time: 10/30/2023 13:52

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

| sumple received.       | 10/31/2023    | Bumpi      | e concetor.  |            | 1011       | IDOLL                 |                           |                         |                |
|------------------------|---------------|------------|--------------|------------|------------|-----------------------|---------------------------|-------------------------|----------------|
| <u>Parameter</u>       | <u>Result</u> | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | <u>DIL</u> | Result<br><u>Flag</u> | Analysis<br><u>Method</u> | Analysis<br><u>Date</u> | <u>Analyst</u> |
| Field Water Level      | 23.03         | 0.05       | feet         |            | 1          |                       | H2OD                      | 10/30/23                | RAMBOLL        |
| Field Temperature      | 10.7          | 0.1        | Degrees      | (          | 1          |                       | TEMP                      | 10/30/23                | RAMBOLL        |
| Field Conductivity     | 556           | 0          | umhos        |            | 1          |                       | FCOND25                   | 10/30/23                | RAMBOLL        |
| Field pH               | 8.2           | 0.1        | Units        | 0.1        | 1          |                       | FIELDPH                   | 10/30/23                | RAMBOLL        |
| Total Dissolved Solids | 372           | 8.7        | mg/L         | 20.0       | 1          |                       | Std Mtd 2540 C            | 11/2/23                 | 020            |
| Total Fluoride         | 1.1           | 0.095      | mg/L         | 0.32       | 1          |                       | EPA 300.0                 | 11/1/23                 | 020            |
| Total Chloride         | 13.2          | 0.59       | mg/L         | 2.0        | 1          |                       | EPA 300.0                 | 11/1/23                 | 020            |
| Total Sulfate          | 162           | 4.4        | mg/L         | 20.0       | 10         |                       | EPA 300.0                 | 11/2/23                 | 020            |
| Total Boron            | 423           | 17.3       | ug/L         | 40.0       | 1          |                       | EPA 200.7                 | 11/2/23                 | 020            |
| Total Calcium          | 19400         | 114        | ug/L         | 500        | 1          |                       | EPA 200.7                 | 11/2/23                 | 020            |
| Dissolved Calcium      | 19700         | 114        | ug/L         | 500        | 1          |                       | EPA 200.7                 | 11/2/23                 | 020            |
| Dissolved Chloride     | 14.5          | 0.59       | mg/L         | 2.0        | 1          |                       | EPA 300.0                 | 11/14/23                | 020            |
| Dissolved Magnesium    | 15500         | 182        | ug/L         | 1000       | 1          |                       | EPA 200.7                 | 11/2/23                 | 020            |
| Dissolved Sodium       | 85200         | 350        | ug/L         | 500        | 1          |                       | EPA 200.7                 | 11/2/23                 | 020            |
| Dissolved Sulfate      | 158           | 4.4        | mg/L         | 20.0       | 10         |                       | EPA 300.0                 | 11/15/23                | 020            |
| Bicarbonate Ion        | 113           | 5.0        | mg/L         | 10.0       | 1          |                       | HCO3                      | 11/13/23                | 020            |
|                        |               |            |              |            |            |                       |                           |                         |                |

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

Sample Description: W74 P4 Landfill CCR Well Sample

Sample ID: AE69691 Sample Collection Date/Time: 10/30/2023 13:52

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                           |           |            |              |       |            | Result      | Analysis       | Analysis    |                |
|---------------------------|-----------|------------|--------------|-------|------------|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | Result    | <u>LOD</u> | <u>Units</u> | LOQ   | <u>DIL</u> | <u>Flag</u> | Method         | <u>Date</u> | <u>Analyst</u> |
| Carbonate Ion             | Less Than | 5.0        | mg/L         | 10.0  | 1          |             | CO3            | 11/13/23    | 020            |
| Dissolved Potassium       | 2180      | 325        | ug/L         | 1000  | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Nitrite                   | Less Than | 0.021      | mg/L         | 0.10  | 1          |             | EPA 300.0      | 11/1/23     | 020            |
| Nitrate                   | Less Than | 0.044      | mg/L         | 0.15  | 1          |             | EPA 300.0      | 11/1/23     | 020            |
| Total Copper              | Less Than | 0.0034     | mg/L         | 0.010 | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Total Manganese           | 0.0167    | 0.0015     | mg/L         | 0.005 | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Total Silver              | Less Than | 0.0032     | mg/L         | 0.010 | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Total Zinc                | Less Than | 0.0116     | mg/L         | 0.040 | 1          |             | EPA 200.7      | 11/2/23     | 020            |
| Total Alkalinity as CaCO3 | 112       | 5          | mg/L         | 10    | 1          |             | SM 2320 B-1997 | 11/9/23     | 020            |
| Total Hardness as CaCO3   | 111       | 1.0        | mg/L         | 5.4   | 1          |             | Std Mtd 2340B  | 11/3/23     | 020            |
| Dissolved Oxygen-Field    | 0.2       | 0.1        | mg/l         |       | 1          |             | FIELDDO        | 10/30/23    | RAMBOLL        |
| Turbidity                 | 0.0       | 0.1        | NTU'S        |       | 1          |             | EPA 180.1      | 10/30/23    | RAMBOLL        |
| Redox Potential           | -183      | 1          | mV           |       | 1          |             | ASTM D1498-93  | 10/30/23    | RAMBOLL        |

Sample Comments:

Sample Description: EB-3 P4 Landfill CCR Well Sample

Sample ID: AE69692 Sample Collection Date/Time: 10/30/2023 15:00

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                           |               |            |              |            |     | Result      | Analysis       | Analysis    |                |
|---------------------------|---------------|------------|--------------|------------|-----|-------------|----------------|-------------|----------------|
| <u>Parameter</u>          | <u>Result</u> | <u>LOD</u> | <u>Units</u> | <u>LOQ</u> | DIL | <u>Flag</u> | <u>Method</u>  | <u>Date</u> | <b>Analyst</b> |
| Total Dissolved Solids    | 26            | 8.7        | mg/L         | 20         | 1   |             | Std Mtd 2540 C | 11/2/23     | 020            |
| Total Fluoride            | Less Than     | 0.095      | mg/L         | 0.32       | 1   |             | EPA 300.0      | 11/2/23     | 020            |
| Total Chloride            | Less Than     | 0.59       | mg/L         | 2.0        | 1   |             | EPA 300.0      | 11/2/23     | 020            |
| Total Sulfate             | Less Than     | 0.44       | mg/L         | 2.0        | 1   |             | EPA 300.0      | 11/2/23     | 020            |
| Total Boron               | Less Than     | 17.3       | ug/L         | 40         | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Calcium             | Less Than     | 114        | ug/L         | 500        | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Calcium         | Less Than     | 114        | ug/L         | 500        | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Chloride        | Less Than     | 0.59       | mg/L         | 2.0        | 1   |             | EPA 300.0      | 11/14/23    | 020            |
| Dissolved Magnesium       | Less Than     | 182        | ug/L         | 1000       | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sodium          | 383           | 350        | ug/L         | 500        | 1   | J           | EPA 200.7      | 11/2/23     | 020            |
| Dissolved Sulfate         | Less Than     | 0.44       | mg/L         | 2.0        | 1   |             | EPA 300.0      | 11/14/23    | 020            |
| Bicarbonate Ion           | Less Than     | 5.0        | mg/L         | 10.0       | 1   |             | HCO3           | 11/13/23    | 020            |
| Carbonate Ion             | Less Than     | 5.0        | mg/L         | 10.0       | 1   |             | CO3            | 11/13/23    | 020            |
| Dissolved Potassium       | Less Than     | 325        | ug/L         | 1000       | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Copper              | Less Than     | 0.0034     | mg/L         | 0.010      | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Manganese           | Less Than     | 0.0015     | mg/L         | 0.005      | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Silver              | Less Than     | 0.0032     | mg/L         | 0.010      | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Zinc                | Less Than     | 0.0116     | mg/L         | 0.040      | 1   |             | EPA 200.7      | 11/2/23     | 020            |
| Total Alkalinity as CaCO3 | Less Than     | 5          | mg/L         | 10         | 1   |             | SM 2320 B-1997 | 11/9/23     | 020            |
| Total Hardness as CaCO3   | Less Than     | 1.0        | mg/L         | 5.4        | 1   |             | Std Mtd 2340B  | 11/2/23     | 020            |
| Dissolved Organic Carbon  | Less Than     | 0.19       | ppm          | 0.50       | 1   |             | Std Mtd 5310C  | 11/8/23     | 020            |
| Total Hardness as CaCO3   | Less Than     | 1.0        | mg/L         | 5.4        | 1   |             | Std Mtd 2340B  | 11/2/23     | 020            |
| Nitrite                   | Less Than     | 0.021      | mg/L         | 0.10       | 1   | H1          | EPA 300.0      | 11/2/23     | 020            |
|                           |               |            |              |            |     |             |                |             |                |

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

Sample Description: EB-3 P4 Landfill CCR Well Sample

Sample ID: AE69692 Sample Collection Date/Time: 10/30/2023 15:00

Sample Received: 10/31/2023 Sample Collector: RAMBOLL

|                  |           |            |              |      |            | Result      | Analysis  | Analysis    |                |
|------------------|-----------|------------|--------------|------|------------|-------------|-----------|-------------|----------------|
| <u>Parameter</u> | Result    | <b>LOD</b> | <u>Units</u> | LOQ  | <u>DIL</u> | <u>Flag</u> | Method    | <u>Date</u> | <u>Analyst</u> |
| Nitrate          | Less Than | 0.044      | mg/L         | 0.15 | 1          | H1          | EPA 300.0 | 11/2/23     | 020            |

Sample Comments:

LOD and LOQ are adjusted for dilution factor.

If there are any questions concerning this report, please contact: Laboratory Services at (414) 221-4595.

<sup>&#</sup>x27;J' Flag, if present indicates an estimated concentration at or above the LOD and below the LOQ.

### APPENDIX D

# 2023 LEACHATE PIPE CLEANING AND INSPECTION REPORT [PER NR 506.20(3)(D)]

# 2023 We Energies Leachate Line Jetting

Jetting for: A. W. Oakes & Son Inc.

Location: Pleasant Prairie Power Plant Ash Landfill – Facility #2786

# 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: 11/9/23   |  |  |  |  |  |  |  |  |  |  |
| Description of water jet cleaning system:  |  |  |  |  |  |  |  |  |  |  |
| Pipe Hunter Trailer Jetter   |  |  |  |  |  |  |  |  |  |  |
| ENZ Roto Pulse Nozzle - 20 gpm at 4,000 PSI  |  |  |  |  |  |  |  |  |  |  |
| Water used to jet landfill: 1,500 gallons  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Foreman: Greg Healy  |  |  |  |  |  |  |  |  |  |  |
| Laborer: Ruvisel Cortez  |  |  |  |  |  |  |  |  |  |  |
| x Cell 1 line – CO 32 to Sum X Cell 1 line – riser vault CO Cell 2/1 transfer line – Te Cell 2/1 transfer line – Ris Cell 1 sump – remove sed Cell 1 riser vault – pump of Cell 1 riser vault – clean v Transfer line – transfer m Transfer line – transfer m Transfer manhole – remo Cell 1 riser vault sump – r Loadout recirc pipe – load Loadout sump – remove sed | of 1 to CO 32 cmp CO to Sump1 ser Vault CO 2 to Temp CO diment from sump of both Cell 1 riser pipes discharge hoses vacuum break, check valves and standpipe sanhole to Cell 1 riser vault sanhole to storage tank eve sediment & liquid dout sump to storage tank sediment on headers & remove sediment ent |  |  |  |  |  |  |  |  |  |

1

| Problems encountered:    | Yes                     | No | Х |  |  |  |  |  |
|--------------------------|-------------------------|----|---|--|--|--|--|--|
| Description of problems: |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
| Repairs performed:       | Yes                     | No | Х |  |  |  |  |  |
| Description of repairs:  | Description of repairs: |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
|                          |                         |    |   |  |  |  |  |  |
| Signed:                  |                         |    |   |  |  |  |  |  |

Return completed form to – Eric Kovatch



3600 Kewaunee Rd. Green Bay, Wi 54311 920-863-3663

# **CLEANING REPORT**

DATE: 11/9/2023
OWNER: WE Energies
LOCATION: Pleasant Prairie Power Plant Ash Landfill - License #2786

CONTRACTOR: <u>AW Oakes & Son</u>
LEACHATE: ☑ STORM: □

|       | TION<br>TO MH | PIPE<br>SIZE | PIPE Easement<br>Machine<br>LENGTH used? |   | nine | REMARKS                        |
|-------|---------------|--------------|--|---|------|--------------------------------|
|       |               | (inch)       | (feet)                                   | Υ | N    |                                |
| CO 32 | CO 1          | 6            | 600                                      |   |      | Jetted well / Section complete |
| CO 1  | CO 32         | 6            | 600                                      |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |
|       |               |              |  |   |      |                                |

Pleasant Prairie Power Plant Ash Landfill – License #2786







