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Wisconsin Public Service Corporation

Date
January 31, 2026

Project No.
1940114239

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WESTON UNITS 3 & 4 BOTTOM ASH BASINS

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2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
WESTON UNITS 3 & 4 BOTTOM ASH BASINS

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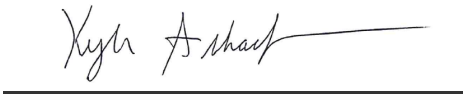

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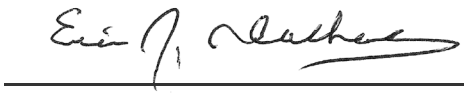

Eric J. Tlachac, PE
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Senior Managing Consultant

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TABLES (IN TEXT)

TABLES (ATTACHED)

FIGURES (ATTACHED)

APPENDICES

ACRONYMS AND ABBREVIATIONS

§	Section
40 C.F.R.	Title 40 of the Code of Federal Regulations
ASD	Alternate Source Demonstration
CCR	Coal Combustion Residuals
GWPS	Groundwater Protection Standard
NA	not applicable
NRT/OBG	Natural Resource Technology, an OBG Company
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SAP	Sampling and Analysis Plan
SSI	Statistically Significant Increase
TBD	to be determined
Weston	Weston Generating Station

EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 40 of the Code of Federal Regulations (40 C.F.R.) Section (§) 257.90(e) for the Weston Generating Station (Weston) Units 3 & 4 Bottom Ash Basins (BABs) located in Rothschild, Wisconsin.

Groundwater is being monitored at Weston Units 3 & 4 BABs in accordance with the Detection Monitoring Program requirements specified in 40 C.F.R. § 257.94. During the Q4 2025 sampling event the field team encountered sampling equipment problems and were unable to complete the sampling prior to the end of the quarter. As a result, the Q4 2025 monitoring was conducted and completed in January 2026. The associated results were not yet available as of the date of this report and will be included in the 2026 Annual Groundwater Monitoring and Corrective Action Report along with associated field documentation.

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

In 2025, groundwater analytical data was evaluated for statistically significant increases (SSIs) over background concentrations for 40 C.F.R. § 257 Appendix III constituents in groundwater monitoring wells at the Weston Units 3 & 4 BABs. The following constituents and wells had SSIs reported in 2025:

- pH – OW-50
- Sulfate (SO_4) – OW-50

Alternate Source Demonstrations (ASDs) prepared in prior years for these parameters and monitoring locations provide justification that the SSIs observed during the Detection Monitoring Program were not due to a release from the Weston Units 3 & 4 BABs but were likely due to naturally occurring conditions (*e.g.,* natural variation in groundwater quality). However, the recent concentrations and trends for sulfate at OW-50 require additional evaluation to confirm the lines of evidence used in the previous ASDs. An ASD will be completed by February 14, 2026, for sulfate and pH at OW-50. The ASD will be included within the 2026 Annual Groundwater Monitoring and Corrective Action Report.

The Weston Units 3 & 4 BABs remain in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of Wisconsin Public Service Corporation, to provide the information required by 40 C.F.R. § 257.90(e) for the Weston Units 3 & 4 BABs located in Rothschild, Wisconsin.

In accordance with 40 C.F.R. § 257.90(e), the owner or operator of a coal combustion residuals (CCR) unit must prepare an Annual Groundwater Monitoring and Corrective Action Report for the preceding calendar year that documents the status of the Groundwater Monitoring and Corrective Action Program for the CCR unit (**Section 2**), summarizes key actions completed (**Section 3**), describes any problems encountered, discusses actions to resolve the problems (**Section 4**), and projects key activities for the upcoming year (**Section 5**). At a minimum, the annual report must contain the following information, to the extent available:

1. A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit (**Figure 1**).
2. Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken (**Section 3**).
3. In addition to all the monitoring data obtained under §§ 257.90 through 257.98 (**Tables 1 and 2**), a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the Detection Monitoring or Assessment Monitoring Programs (**Section 3 and Table A**).
4. A narrative discussion of any transition between monitoring programs (*e.g.*, the date and circumstances for transitioning from Detection Monitoring to Assessment Monitoring (**Section 2**) in addition to identifying the constituent(s) detected at an SSI relative to background levels) (**Table A**).
5. Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.
6. A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit (**Executive Summary**). At a minimum, the summary must specify all of the following:
    i. At the start of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in § 257.94 or the Assessment Monitoring Program in § 257.95.
    ii. At the end of the current annual reporting period, whether the CCR unit was operating under the Detection Monitoring Program in § 257.94 or the Assessment Monitoring Program in § 257.95.
    iii. If it was determined that there was an SSI over background for one or more constituents listed in Appendix III of § 257 pursuant to § 257.94(e):
        A. Identify those constituents listed in Appendix III of § 257 and the names of the monitoring wells associated with such an increase.

B. Provide the date when the Assessment Monitoring Program was initiated for the CCR unit.

iv. If it was determined that there was a statistically significant level above the groundwater protection standard [GWPS] for one or more constituents listed in Appendix IV of § 257 pursuant to § 257.95(g) include all of the following:

A. Identify those constituents listed in Appendix IV of § 257 and the names of the monitoring wells associated with such an increase.

B. Provide the date when the assessment of corrective measures was initiated for the CCR unit.

C. Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit.

D. Provide the date when the assessment of corrective measures was completed for the CCR unit.

v. Whether a remedy was selected pursuant to § 257.97 during the current annual reporting period, and if so, the date of remedy selection.

vi. Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.

This report provides the required information for the Weston Units 3 & 4 BABs for calendar year 2025.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

No changes have occurred to the monitoring program status in calendar year 2025 the Weston Units 3 & 4 Bottom Ash Basins remain in the Detection Monitoring Program in accordance with 40 C.F.R. § 257.94.

3. KEY ACTIONS COMPLETED IN 2025

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

In general, one groundwater sample was collected from each background and downgradient well during each monitoring event. Due to sampling equipment problems encountered during the Q4 2025 sampling event (see **Section 4**), the field team was unable to collect the scheduled samples in the fourth quarter. As a result, the Q4 2025 sampling was conducted and completed in January of 2026. The associated results were not yet available as of the date of this report and will be included in the 2026 Annual Groundwater Monitoring and Corrective Action Report along with associated field documentation. All samples were collected and analyzed in accordance with the *Sampling and Analysis Plan* (SAP; Natural Resource Technology, an OBG Company [NRT/OBG], 2017) prepared for Weston Units 3 & 4 BABs. Potentiometric surface maps for the fourth quarter of 2024 and Q2 2025 monitoring events are included in **Figures 2 and 3**. Water level data, collected from background and downgradient monitoring wells, are included in **Table 1**. All monitoring data and analytical results obtained under 40 C.F.R. §§ 257.90 through 257.98 (as applicable) in the fourth quarter of 2024 and the Q2 monitoring event in 2025 are presented in **Table 2**. Laboratory reports from the Q2 2025 monitoring event are included in **Appendix A**[1]. The Q4 laboratory results will be included in the 2026 Annual Groundwater Monitoring and Corrective Action Report.

Analytical data were evaluated in accordance with the *Statistical Analysis Plan, Weston Units 3 & 4 Bottom Ash Basins* (NRT/OBG, 2017) to determine any SSIs of Appendix III parameters relative to background concentrations. Statistical background values are provided in **Table 3**. A flow chart showing the statistical methodology for determination of background values is included as **Appendix B**.

Statistical evaluation, including SSI determinations, of analytical data from the Detection Monitoring Program for the December 10 and 11, 2024 (Detection Monitoring Round 15) and June 18, 2025 (Detection Monitoring Round 16) sampling events were completed in 2025 and within 90 days of receipt of the analytical data. The SSIs identified in 2025 were also reported in previous sampling events. Potential alternate sources and natural variation were evaluated following those previous sampling events as outlined in the 40 C.F.R. § 257.94(e)(2). ASDs were completed and certified by a qualified professional engineer. The dates ASDs were completed are provided in the notes of **Table A**. Although the SSIs determined were consistent with previous sampling events, the recent concentrations and trends for sulfate at OW-50 require additional evaluation. An ASD will be completed by February 14, 2026, for sulfate and pH at OW-50.

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

Table A. 2024-2025 Detection Monitoring Program Summary

Detection Round	Sampling Date	Analytical Data Receipt Date	Parameters Collected	SSI Wells (Parameters)	SSI(s) Determination Date	ASD Completion Date[1]
15	December 10 and 11, 2024	January 23, 2025	Appendix III	OW-50 (SO_4, and pH - low)	April 23, 2025	NA
16	June 18, 2025	August 18, 2025	Appendix III	OW-50 (SO_4, and pH – low)	November 16, 2025	February 14, 2026
17	January 8, 2026	TBD	Appendix III	TBD	TBD	TBD

Notes:

NA = not applicable

TBD = to be determined

[1] The ASDs dated April 15, 2018, January 8, 2022, and July 5, 2023 for Weston Units 3 & 4 BABs provided a description, data, and pertinent information supporting an alternate source for the wells and parameters with SSIs identified during the December 10 and 11, 2024 and June 18, 2025 sampling events.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

The sampling (bladder) pump controller malfunctioned during the fourth quarter 2025 sampling event scheduled in mid-December. Attempts to repair the controller in the field were unsuccessful, as it was determined that replacement of a 3-way valve was required, and the sampling could not be completed during the quarter. The replacement part was procured and the samples were collected in January 2026.

No other problems were encountered with the groundwater monitoring program during 2025, groundwater samples were collected and analyzed in accordance with the SAP, and all data were accepted.

5. KEY ACTIVITIES PLANNED FOR 2026

The following key activities are planned for 2026:

- Completion of fourth quarter 2025 groundwater sampling in January 2026, following sampling equipment malfunction in the field in December 2025.
- Continuation of the Detection Monitoring Program with semi-annual sampling scheduled for the second and fourth quarters of 2026.
- Complete evaluation of analytical data from the downgradient wells using background data to determine whether an SSI of Appendix III parameters detected at concentrations greater than background concentrations has occurred.
- If an SSI is identified, potential alternate sources (*i.e.,* a source other than the CCR unit caused the SSI or that the SSI resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
  - If an alternate source is identified to be the cause of the SSI, a written demonstration will be completed within 90 days of SSI determination and included in the 2026 Annual Groundwater Monitoring and Corrective Action Report.
  - If an alternate source(s) is not identified to be the cause of the SSI, the applicable requirements of 40 C.F.R. §§ 257.94 through 257.98 as may apply in 2026 (*e.g.,* Assessment Monitoring) will be met, including associated recordkeeping/notifications required by 40 C.F.R. §§ 257.105 through 257.108.

6. REFERENCES

Natural Resource Technology, an OBG Company (NRT/OBG), 2017, *Sampling and Analysis Plan, Weston Units 3 & 4 Bottom Ash Basins, Rothschild, Wisconsin, October 2, 2017.*

Natural Resource Technology, an OBG Company (NRT/OBG), 2017, *Statistical Analysis Plan, Weston Units 3 & 4 Bottom Ash Basins, Rothschild, Wisconsin, October 17, 2017.*

TABLES

TABLE 1. GROUNDWATER ELEVATIONS

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
WESTON GENERATING STATION UNITS 3 & 4 BOTTOM ASH BASINS
ROTHSCHILD, WI

Well ID	Well Type	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Date	Groundwater Elevation (ft NAVD88)
OW-45	Background (Upgradient)	44.853310	-89.649109	12/10/2024	1148.76
				6/17/2025	1148.97
OW-46	Background (Upgradient)	44.852081	-89.649947	12/10/2024	1149.07
				6/17/2025	1149.28
OW-47R	Compliance (Downgradient)	44.854553	-89.654607	12/10/2024	1145.84
				6/17/2025	1146.15
OW-48	Compliance (Downgradient)	44.854558	-89.655273	12/10/2024	1145.43
				6/17/2025	1145.76
OW-49	Compliance (Downgradient)	44.854477	-89.656204	12/10/2024	1145.16
				6/17/2025	1145.51
OW-50	Compliance (Downgradient)	44.853785	-89.656657	12/10/2024	1145.19
				6/17/2025	1145.54

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

Weston Unit 3&4 Bottom Ash CCR
Table 2. Analytical Results - Appendix III Parameters

Date Range: 10/01/2024 to 12/31/2025

Lab Methods:

Well Id	Date Sampled	Lab Id	B, tot, mg/L	Ca, tot, mg/L	Cl, tot, mg/L	F, tot, mg/L	pH (field), STD	SO4, tot, mg/L
OW-45	12/10/2024	AE76240	0.0553	18.9000	40.9	<0.10	6.7	11.8
	6/18/2025	AE79961	0.0290	11.3000	12.2	<0.10	6.8	7.0
OW-46	12/10/2024	AE76241	0.0518	14.3000	52.8	<0.48	6.6	12.0
	6/18/2025	AE79962	0.0211	16.6000	65.4	<0.19	6.3	14.7
OW-47/OW-47R	12/10/2024	AE76242	0.0464	24.4000	73.6	<0.48	6.2	21.8
	6/18/2025	AE79963	0.0349	25.2000	70.2	<0.19	6.0	31.1
OW-48	12/10/2024	AE76243	0.2180	30.5000	74.5	<0.48	6.4	63.4
	6/18/2025	AE79964	0.2420	37.3000	89.1	<0.10	6.2	85.9
OW-49	12/11/2024	AE76244	0.1860	34.7000	105.0	<0.48	6.2	77.1
	6/18/2025	AE79965	0.1440	31.5000	109.0	<0.19	5.9	64.7
OW-50	12/11/2024	AE76245	0.0433	24.3000	60.7	<0.48	5.8	33.1
	6/18/2025	AE79966	0.0403	28.2000	69.1	<0.10	5.6	47.6

Weston Unit 3&4 Bottom Ash CCR
Table 2. Analytical Results - Appendix III Parameters

Date Range: 10/01/2024 to 12/31/2025

Lab Methods:

Well Id	Date Sampled	Lab Id	TDS, mg/L
OW-45	12/10/2024	AE76240	138.0
	6/18/2025	AE79961	88.0
OW-46	12/10/2024	AE76241	142.0
	6/18/2025	AE79962	156.0
OW-47/OW-47R	12/10/2024	AE76242	176.0
	6/18/2025	AE79963	226.0
OW-48	12/10/2024	AE76243	248.0
	6/18/2025	AE79964	322.0
OW-49	12/11/2024	AE76244	310.0
	6/18/2025	AE79965	306.0
OW-50	12/11/2024	AE76245	176.0
	6/18/2025	AE79966	236.0

Notes:

Exceedance of Background

TABLE 3
STATISTICAL BACKGROUND VALUES
2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
WESTON GENERATING STATION
UNITS 3 & 4 BOTTOM ASH BASINS
ROTHSCHILD, WISCONSIN

Parameter	Well ID	Statistical Background Value (LPL/UPL)
40 C.F.R. Part 257 Appendix III		
Boron (mg/L)	OW-45	0.0442
Boron (mg/L)	OW-46	0.0402
Boron (mg/L)	OW-47/OW-47R	0.481
Boron (mg/L)	OW-48	1.02
Boron (mg/L)	OW-49	0.699
Boron (mg/L)	OW-50	0.0578
Calcium (mg/L)	OW-45	22.4
Calcium (mg/L)	OW-46	26.1
Calcium (mg/L)	OW-47/OW-47R	100
Calcium (mg/L)	OW-48	105
Calcium (mg/L)	OW-49	98.6
Calcium (mg/L)	OW-50	28.2
Chloride (mg/L)	OW-45	85.7
Chloride (mg/L)	OW-46	117
Chloride (mg/L)	OW-47/OW-47R	126
Chloride (mg/L)	OW-48	116
Chloride (mg/L)	OW-49	331
Chloride (mg/L)	OW-50	112
Fluoride (mg/L)	OW-45	0.840
Fluoride (mg/L)	OW-46	DQR
Fluoride (mg/L)	OW-47/OW-47R	0.100
Fluoride (mg/L)	OW-48	0.110
Fluoride (mg/L)	OW-49	DQR
Fluoride (mg/L)	OW-50	0.11
pH (field) (SU)	OW-45	6.0/9.0
pH (field) (SU)	OW-46	4.7/9.6
pH (field) (SU)	OW-47/OW-47R	4.8/9.7
pH (field) (SU)	OW-48	4.9/9.9
pH (field) (SU)	OW-49	5.0/9.8
pH (field) (SU)	OW-50	6.1/7.4
Sulfate (mg/L)	OW-45	31.3
Sulfate (mg/L)	OW-46	93.6
Sulfate (mg/L)	OW-47/OW-47R	171
Sulfate (mg/L)	OW-48	192
Sulfate (mg/L)	OW-49	171
Sulfate (mg/L)	OW-50	20.3
Total Dissolved Solids (mg/L)	OW-45	234
Total Dissolved Solids (mg/L)	OW-46	301

TABLE 3

STATISTICAL BACKGROUND VALUES

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WESTON GENERATING STATION

UNITS 3 & 4 BOTTOM ASH BASINS

ROTHSCHILD, WISCONSIN

Parameter	Well ID	Statistical Background Value (LPL/UPL)
40 C.F.R. Part 257 Appendix III		
Total Dissolved Solids (mg/L)	OW-47/OW-47R	601
Total Dissolved Solids (mg/L)	OW-48	515
Total Dissolved Solids (mg/L)	OW-49	552
Total Dissolved Solids (mg/L)	OW-50	273

Notes:

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

LPL = Lower Prediction Limit (applicable for pH only)

mg/L = milligrams per liter

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

SU = Standard Units

UPL = Upper Prediction Limit

FIGURES

Y:\GIS\Projects\161660\Weston_Units3_4_BABIMXD\GM_CAR_2022\Figure 1_GW Samp Well Loc_Weston_U34BAB.mxd

PROJECT: 71202 | DATED: 1/27/2023 | DESIGNER: galammc

CCR RULE UPGRADIENT MONITORING WELL LOCATION

CCR RULE DOWNGRADIENT MONITORING WELL LOCATION

UNIT BOUNDARY

0 100 200 Feet

GROUNDWATER SAMPLING WELL LOCATION MAP

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
WESTON GENERATING STATION UNITS 3 & 4 BOTTOM ASH BASINS
ROTHSCHILD, WISCONSIN

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

CCR RULE MONITORING WELL LOCATION

GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD 88)

GROUNDWATER FLOW DIRECTION

UNIT BOUNDARY

0 125 250 Feet

POTENTIOMETRIC SURFACE MAP
DECEMBER 10, 2024

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
WESTON GENERATING STATION UNITS 3 & 4 BOTTOM ASH BASINS
ROTHSCHILD, WISCONSIN

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

CCR RULE MONITORING WELL LOCATION

GROUNDWATER ELEVATION CONTOUR (1-FT CONTOUR INTERVAL, NAVD 88)

GROUNDWATER FLOW DIRECTION

UNIT BOUNDARY

IMAGERY DATE = 3/02/2024

0 125 250 Feet

POTENTIOMETRIC SURFACE MAP JUNE 17, 2025

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
WESTON GENERATING STATION UNITS 3 & 4 BOTTOM ASH BASINS
ROTHSCHILD, WISCONSIN

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

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

APPENDICES

APPENDIX A
LABORATORY REPORTS

To: Eric Kovatch
PSB Annex A231

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

Report Date: Monday, August 18, 2025

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

Sample Description: OW-45 **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79961 Sample Collection Date/Time: 06/18/2025 13:20
Sample Received: 07/08/2025 Sample Collector: R E LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	26.18	0.05	feet		1		H2OD	6/18/25	CMW
Field Temperature	0.1	0.1	Degrees (		1		TEMP	6/18/25	CMW
Field Conductivity	186	0	umhos		1		FCOND25	6/18/25	CMW
Field pH	6.76	0.1	Units	0.1	1		FIELDPH	6/18/25	CMW
Dissolved Oxygen-Field	13.09	0.1	mg/l		1		FIELDDO	6/18/25	CMW
Turbidity	1.99	0.1	NTU'S		1		EPA 180.1	6/18/25	CMW
Redox Potential	202.7	1	mV		1		ASTM D1498-93	6/18/25	CMW
Total Fluoride	Less Than	0.095	mg/L	0.32	1	U	EPA 300.0	6/25/25	20
Total Sulfate	7	0.44	mg/L	2	1		EPA 300.0	6/25/25	20
Total Chloride	12.2	0.59	mg/L	2	1		EPA 300.0	6/25/25	20
Total Dissolved Solids	88	8.7	mg/L	20	1		Std Mtd 2540 C	6/23/25	20
Total Boron	29	17.3	ug/L	40	1	J	EPA 200.7	6/24/25	20
Total Calcium	11300	114	ug/L	500	1		EPA 200.7	6/24/25	20

Sample Comments:

Sample Description: OW-46 **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79962 Sample Collection Date/Time: 06/18/2025 14:04
Sample Received: 07/08/2025 Sample Collector: R E LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	27.37	0.05	feet		1		H2OD	6/18/25	CMW
Field Temperature	0.4	0.1	Degrees (		1		TEMP	6/18/25	CMW
Field Conductivity	337	0	umhos		1		FCOND25	6/18/25	CMW
Field pH	6.27	0.1	Units	0.1	1		FIELDPH	6/18/25	CMW
Dissolved Oxygen-Field	12.19	0.1	mg/l		1		FIELDDO	6/18/25	CMW
Turbidity	4.07	0.1	NTU'S		1		EPA 180.1	6/18/25	CMW
Redox Potential	214.9	1	mV		1		ASTM D1498-93	6/18/25	CMW
Total Fluoride	Less Than	0.19	mg/L	0.63	2	U	EPA 300.0	6/25/25	20
Total Sulfate	14.7	0.89	mg/L	4	2		EPA 300.0	6/19/25	20
Total Chloride	65.4	1.2	mg/L	4	2		EPA 300.0	6/19/25	20
Total Dissolved Solids	156	8.7	mg/L	20	1		Std Mtd 2540 C	6/23/25	20
Total Boron	21.1	17.3	ug/L	40	1	J	EPA 200.7	6/24/25	20
Total Calcium	16600	114	ug/L	500	1		EPA 200.7	6/24/25	20

Report Date: Monday, August 18, 2025

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

Sample Comments:

Sample Description: OW-47R **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79963 Sample Collection Date/Time: 06/18/2025 14:40
Sample Received: 07/08/2025 Sample Collector: R E LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	37.34	0.05	feet		1		H2OD	6/18/25	CMW
Field Temperature	1.7	0.1	Degrees C		1		TEMP	6/18/25	CMW
Field Conductivity	377	0	umhos		1		FCOND25	6/18/25	CMW
Field pH	5.97	0.1	Units	0.1	1		FIELDPH	6/18/25	CMW
Dissolved Oxygen-Field	10.47	0.1	mg/l		1		FIELDDO	6/18/25	CMW
Turbidity	2.47	0.1	NTU'S		1		EPA 180.1	6/18/25	CMW
Redox Potential	236.3	1	mV		1		ASTM D1498-93	6/18/25	CMW
Total Fluoride	Less Than	0.19	mg/L	0.63	2	U	EPA 300.0	6/25/25	20
Total Sulfate	31.1	0.89	mg/L	4	2		EPA 300.0	6/25/25	20
Total Chloride	70.2	1.2	mg/L	4	2		EPA 300.0	6/25/25	20
Total Dissolved Solids	226	8.7	mg/L	20	1		Std Mtd 2540 C	6/23/25	20
Total Boron	34.9	17.3	ug/L	40	1	J	EPA 200.7	6/24/25	20
Total Calcium	25200	114	ug/L	500	1		EPA 200.7	6/24/25	20

Sample Comments:

Sample Description: OW-48 **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79964 Sample Collection Date/Time: 06/18/2025 15:14
Sample Received: 07/08/2025 Sample Collector: R E LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	30.61	0.05	feet		1		H2OD	6/18/25	CMW
Field Temperature	1.8	0.1	Degrees C		1		TEMP	6/18/25	CMW
Field Conductivity	594	0	umhos		1		FCOND25	6/18/25	CMW
Field pH	6.20	0.1	Units	0.1	1		FIELDPH	6/18/25	CMW
Dissolved Oxygen-Field	9.80	0.1	mg/l		1		FIELDDO	6/18/25	CMW
Turbidity	2.68	0.1	NTU'S		1		EPA 180.1	6/18/25	CMW
Redox Potential	38.7	1	mV		1		ASTM D1498-93	6/18/25	CMW
Total Fluoride	Less Than	0.095	mg/L	0.32	1	U	EPA 300.0	6/25/25	20
Total Sulfate	85.9	2.2	mg/L	10	5		EPA 300.0	6/19/25	20
Total Chloride	89.1	3	mg/L	10	5		EPA 300.0	6/19/25	20
Total Dissolved Solids	322	8.7	mg/L	20	1		Std Mtd 2540 C	6/23/25	20
Total Boron	242	17.3	ug/L	40	1		EPA 200.7	6/24/25	20
Total Calcium	37300	114	ug/L	500	1		EPA 200.7	6/24/25	20

Report Date: Monday, August 18, 2025

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

Sample Comments:

Sample Description: OW-49 **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79965 Sample Collection Date/Time: 06/18/2025 15:50
Sample Received: 07/08/2025 Sample Collector: R E LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	29.57	0.05	feet		1		H2OD	6/18/25	CMW
Field Temperature	1.7	0.1	Degrees C		1		TEMP	6/18/25	CMW
Field Conductivity	603	0	umhos		1		FCOND25	6/18/25	CMW
Field pH	5.92	0.1	Units	0.1	1		FIELDPH	6/18/25	CMW
Dissolved Oxygen-Field	7.00	0.1	mg/l		1		FIELDDO	6/18/25	CMW
Turbidity	1.72	0.1	NTU'S		1		EPA 180.1	6/18/25	CMW
Redox Potential	246.9	1	mV		1		ASTM D1498-93	6/18/25	CMW
Total Fluoride	Less Than	0.19	mg/L	0.63	2	U	EPA 300.0	6/25/25	20
Total Sulfate	64.7	0.89	mg/L	4	2		EPA 300.0	6/25/25	20
Total Chloride	109	1.2	mg/L	4	2		EPA 300.0	6/25/25	20
Total Dissolved Solids	306	8.7	mg/L	20	1		Std Mtd 2540 C	6/23/25	20
Total Boron	144	17.3	ug/L	40	1		EPA 200.7	6/24/25	20
Total Calcium	31500	114	ug/L	500	1		EPA 200.7	6/24/25	20

Sample Comments:

Sample Description: OW-50 **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79966 Sample Collection Date/Time: 06/18/2025 16:24
Sample Received: 07/08/2025 Sample Collector: R E LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Water Level	30.02	0.05	feet		1		H2OD	6/18/25	CMW
Field Temperature	1.1	0.1	Degrees C		1		TEMP	6/18/25	CMW
Field Conductivity	617	0	umhos		1		FCOND25	6/18/25	CMW
Field pH	5.59	0.1	Units	0.1	1		FIELDPH	6/18/25	CMW
Dissolved Oxygen-Field	6.16	0.1	mg/l		1		FIELDDO	6/18/25	CMW
Turbidity	2.85	0.1	NTU'S		1		EPA 180.1	6/18/25	CMW
Redox Potential	257.5	1	mV		1		ASTM D1498-93	6/18/25	CMW
Total Fluoride	Less Than	0.095	mg/L	0.32	1	U	EPA 300.0	6/25/25	20
Total Sulfate	47.6	2.2	mg/L	10	5		EPA 300.0	6/19/25	20
Total Chloride	69.1	3	mg/L	10	5		EPA 300.0	6/19/25	20
Total Dissolved Solids	236	8.7	mg/L	20	1		Std Mtd 2540 C	6/23/25	20
Total Boron	40.3	17.3	ug/L	40	1		EPA 200.7	6/24/25	20
Total Calcium	28200	114	ug/L	500	1		EPA 200.7	6/24/25	20

Report Date: Monday, August 18, 2025

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

Sample Comments:

Sample Description: QAQC 1 **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79967 Sample Collection Date/Time: 06/18/2025 00:00
Sample Received: 07/08/2025 Sample Collector: R E LEE

Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Total Fluoride	Less Than	0.095	mg/L	0.32	1	U	EPA 300.0	6/25/25	20
Total Sulfate	7	0.44	mg/L	2	1		EPA 300.0	6/25/25	20
Total Chloride	12.3	0.59	mg/L	2	1		EPA 300.0	6/25/25	20
Total Dissolved Solids	86	8.7	mg/L	20	1		Std Mtd 2540 C	6/23/25	20
Total Boron	27.1	17.3	ug/L	40	1	J	EPA 200.7	6/24/25	20
Total Calcium	11200	114	ug/L	500	1		EPA 200.7	6/24/25	20

Sample Comments:

Sample Description: EB 1 **Weston Units 3-4 Bottom Ash Basins Well Sample**
Sample ID: AE79968 Sample Collection Date/Time: 06/18/2025 16:40
Sample Received: 07/08/2025 Sample Collector: R E LEE

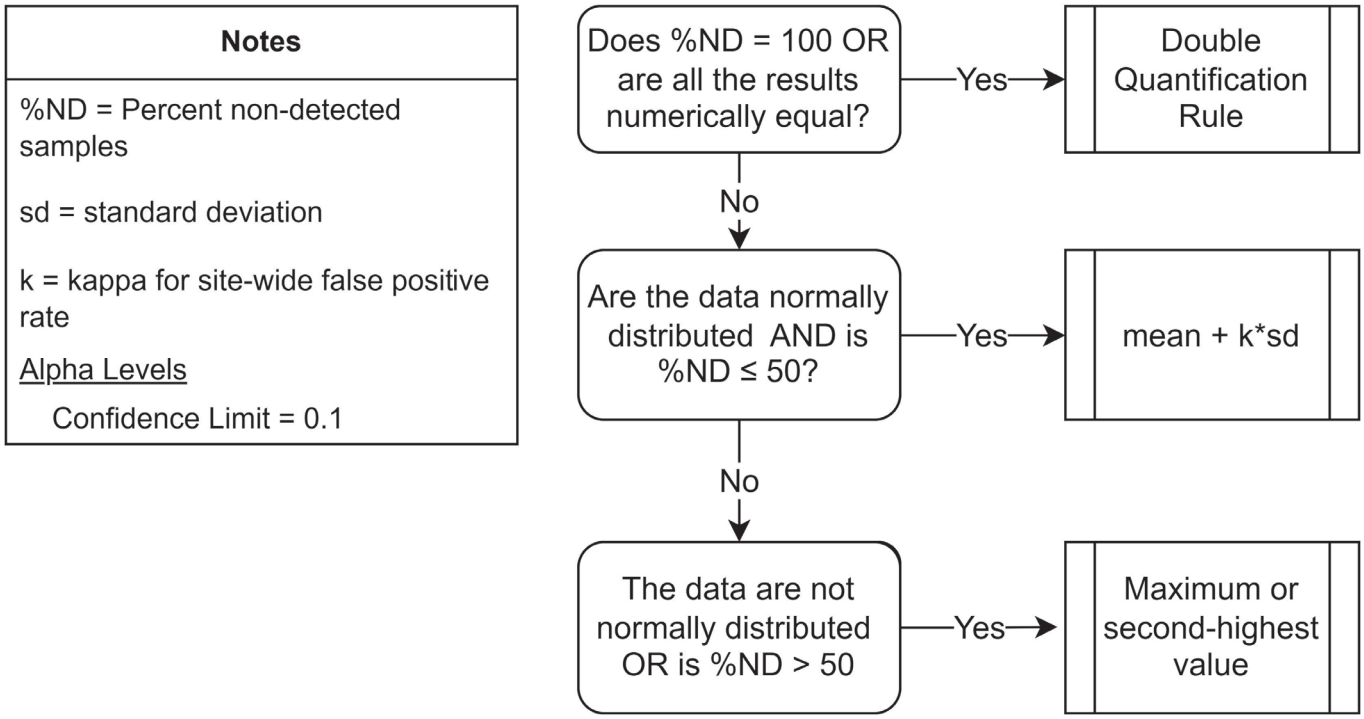
Parameter	Result	LOD	Units	LOQ	DIL	Result Flag	Analysis Method	Analysis Date	Analyst
Field Temperature	15.9	0.1	Degrees (		1		TEMP	6/18/25	CMW
Field Conductivity	3.5	0	umhos		1		FCOND25	6/18/25	CMW
Field pH	7.18	0.1	Units	0.1	1		FIELDPH	6/18/25	CMW
Turbidity	0.21	0.1	NTU'S		1		EPA 180.1	6/18/25	CMW
Total Fluoride	Less Than	0.095	mg/L	0.32	1	U	EPA 300.0	6/25/25	20
Total Sulfate	Less Than	0.44	mg/L	2	1	U	EPA 300.0	6/25/25	20
Total Chloride	Less Than	0.59	mg/L	2	1	U	EPA 300.0	6/25/25	20
Total Dissolved Solids	Less Than	8.7	mg/L	20	1	U	Std Mtd 2540 C	6/23/25	20
Total Boron	Less Than	17.3	ug/L	40	1	U	EPA 200.7	6/24/25	20
Total Calcium	Less Than	114	ug/L	500	1	U	EPA 200.7	6/24/25	20

Sample Comments:

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

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

APPENDIX B
STATISTICAL METHODOLOGY FOR DETERMINATION OF BACKGROUND VALUES



When data are not normally distributed or %ND > 50, the maximum value is used if the background sample size is < 60. Where the background sample size is ≥ 60, the achievable per-constituent false positive rates for the maximum and second-highest background values will be compared, and the background value with the achievable per-constituent false positive rate that is closest to, but does not exceed, the target per-constituent false positive rate of 0.015% is used.