Dynegy Midwest Generation, LLC
1500 Eastport Plaza Dr.
Collinsville, IL 62234

January 30, 2025

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Re: Baldwin Power Plant Bottom Ash Pond (IEPA ID W1578510001-06) 2024 Annual Consolidated Report

Dear Mr. LeCrone:

In accordance with 35 IAC § 845.550, Dynegy Midwest Generation, LLC (DMG) is submitting the annual consolidated report for the Baldwin Power Plant Bottom Ash Pond (IEPA ID W1578510001-06), as enclosed.

Sincerely,

Phil Morris
Senior Environmental Director

Enclosures

Annual Consolidated Report
Dynegy Midwest Generation, LLC
Baldwin Power Plant
Bottom Ash Pond; IEPA **ID W1578510001-06**

In accordance with 35 IAC § 845.550, Dynegy Midwest Generation, LLC (DMG) has prepared the annual consolidated report. The report is provided in three sections as follows:

Section 1
1) Annual CCR fugitive dust control report (Section 845.500(c))

Section 2
2) Annual inspection report (Section 845.540(b)), including:

A) Annual hazard potential classification certification

B) Annual structural stability assessment certification

C) Annual safety factor assessment certification

D) Inflow design flood control system plan certification

Section 3
3) Annual Groundwater Monitoring and Corrective Action Report (Section 845.610(e))

Section 1
Annual CCR Fugitive Dust Control Report

Annual CCR Fugitive Dust Control Report

for

Baldwin Power Plant

Prepared for:

Illinois Power Generating Company

Baldwin Power Plant
10901 Baldwin Rd
Baldwin, IL 62217

November 2024

Baldwin Power Plant
ANNUAL CCR FUGITIVE DUST CONTROL REPORT

Reporting Year: 4th Quarter 2023 through 3rd Quarter 2024

Completed by: [signature] 11-13-2024 Mgr Env. & Chemistry

Name Title

This Annual CCR Fugitive Dust Control Report has been prepared for the Baldwin Power Plant in accordance with 40 CFR 257.80(c) and 35 I.A.C.845.500. Section 1 provides a description of the actions taken to control CCR fugitive dust at the facility during the reporting year, including a summary of any corrective measures taken. Section 2 provides a record of citizen complaints received concerning CCR fugitive dust at the facility during the reporting year, including a summary of any corrective measures taken.

Section 1 Actions Taken to Control CCR Fugitive Dust

In accordance with the Baldwin Power Plant CCR Fugitive Dust Control Plan (Plan), the following measures were used to control CCR fugitive dust from becoming airborne at the facility during the reporting year:

CCR Activity	Actions Taken to Control CCR Fugitive Dust
Management of CCR in the facility's CCR units	Wet management of CCR bottom ash and CCR fly ash in CCR surface impoundments.
	Apply water and/or apply dust suppressant to areas of exposed CCR in CCR units, as necessary.
	Naturally occurring grass vegetation in areas of exposed CCR in CCR surface impoundments.
	Reduce or halt operations during high wind events as necessary.
Handling of CCR at the facility	Wet sluice CCR bottom ash and fly ash to CCR surface impoundments.
	Pneumatically convey dry CCR fly ash and CCR FGD materials to storage silos in an enclosed system.
	CCR scrubber ash to be emplaced in offsite third-party owned/operated landfill is conditioned before loading into trucks for transport to the landfill.
	Water is added to CCR fly ash at the loadout silos for on-site transport in a partially enclosed area.
	Load CCR transport trucks from the CCR fly ash and CCR FGD materials silos in a partially enclosed area.

CCR Activity	Actions Taken to Control CCR Fugitive Dust
Handling of CCR at the facility	Load CCR transport trucks from the CCR fly ash silos using a telescoping chute.
	Transfer CCR dry fly ash into rail cars using a railcar loading spout and associated dust filter collection system.
	Perform housekeeping, as necessary, in the fly ash loading area.
	Operate fly ash and CCR FGD materials handling system in accordance with good operating practices.
	Maintain and repair as necessary dust controls on the CCR fly ash handling system and the CCR fly ash rail load-out system.
	Reduce or halt operations during high wind events as necessary.
Transportation of CCR at the facility for onsite and offsite disposal	CCR fly ash to be transported offsite may be loaded into a fully-enclosed truck.
	Water is added to CCR fly ash at the loadout for on-site transport.
	CCR scrubber ash to be emplaced in offsite third-party owned/operated landfill is conditioned before loading into trucks for transport to the landfill.
	Cover or enclose trucks used to transport CCR material, as necessary.
	Limit the speed of vehicles to no more than 15 mph on facility roads.
	Sweep or rinse off the outside of the trucks transporting CCR, as necessary.
	Remove CCR, as necessary, deposited on facility road surfaces during transport.

Based on a review of the Plan and inspections associated with CCR fugitive dust control performed in the reporting year, the control measures identified in the Plan as implemented at the facility effectively minimized CCR from becoming airborne at the facility. This included application of water on areas outside the silos and on unpaved roads. The addition of a chemical dust suppressant in June and September was used in anticipation of increased vehicle travel on limited unpaved roads, we did expand what roads were treated in 2024 to cover more area. The old East/East and West FA ponds are closed, capped and have vegetation now. A revision to control measures was identified in the Plan and included reducing or halting operations during high wind events.

No material changes occurred in the reporting year in site conditions potentially resulting in CCR fugitive dust becoming airborne at the facility that warrant an amendment of the Plan.

Section 2 Record of Citizen Complaints

No citizen complaints were received regarding CCR fugitive dust at Baldwin Power Station in the reporting year.

Section 2

Annual inspection report (Section 845.540(b)), including:

A) Annual hazard potential classification certification, if applicable (Section 845.440)

B) Annual structural stability assessment certification, if applicable (Section 845.450)

C) Annual safety factor assessment certification, if applicable (Section 845.460)

D) Inflow design flood control system plan certification (Section 845.510(c))

ANNUAL INSPECTION BY A QUALIFIED PROFESSIONAL ENGINEER 35 IAC § 845.540
(b)(1) The CCR surface impoundment must be inspected on an annual basis by a qualified professional engineer to ensure that the design, construction, operation, and maintenance of the CCR surface impoundment is consistent with recognized and generally accepted engineering standards. The inspection must, at a minimum, include: A) A review of available information regarding the status and condition of the CCR surface impoundment, including files available in the operating record (e.g., CCR surface impoundment design and construction information required by Sections 845.220(a)(1) and 845.230(d)(2)(A), previous structural stability assessments required under Section 845.450, the results of inspections by a qualified person, and results of previous annual inspections); B) A visual inspection of the CCR surface impoundment to identify signs of distress or malfunction of the CCR surface impoundment and appurtenant structures; C) A visual inspection of any hydraulic structures underlying the base of the CCR surface impoundment or passing through the dike of the CCR surface impoundment for structural integrity and continued safe and reliable operation; D) The annual hazard potential classification certification, if applicable (see Section 845.440); E) The annual structural stability assessment certification, if applicable (see Section 845.450); F) The annual safety factor assessment certification, if applicable (see Section 845.460); and G) The inflow design flood control system plan certification (see Section 845.510(c)).

SITE INFORMATION	
Site Name / Address / Date of Inspection	Baldwin Energy Complex Randolph County, Illinois 62217 9/19/2024
Operator Name / Address	Luminant Generation Company LLC 6555 Sierra Drive, Irving, TX 75039
CCR unit	Bottom Ash Pond

INSPECTION REPORT 35 IAC § 845.540	
(b)(1)(D) The annual hazard potential classification certification, if applicable (see Section 845.440).	Based on a review of the CCR unit's annual hazard potential classification, the unit is classified as a Class II CCR surface impoundment.
(b)(2)(A) Any changes in geometry of the structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, the only change to the geometry of the structure was an approximate 18" raise of the emergency spillway crest elevation to provide additional freeboard for a design storm event.
(b)(2)(B) The location and type of existing instrumentation and the maximum recorded readings of each instrument since the previous annual inspection	See the attached.
b)(2)(C) The approximate minimum, maximum, and present depth and elevation of the impounded water and CCR since the previous annual inspection;	See the attached.
b)(2)(D) The storage capacity of the impounding structure at the time of the inspection	Approximately 5900 acre-feet
(b)(2)(E) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 1800 acre-feet
(b)(2)(F) 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	Based on a review of the CCR unit's records and visual observation during the on-site inspection, there was no appearance of an actual or potential structural weakness of the CCR unit, nor an existing condition that is disrupting or would disrupt the operation and safety of the unit.

INSPECTION REPORT 35 IAC § 845.540	
(b)(2)(G) Any other changes that may have affected the stability or operation of the impounding structure since the previous annual inspection.	Based on a review of the CCR unit's records and visual observation during the on-site inspection, no other changes which may have affected the stability or operation of the CCR unit have taken place since the previous annual inspection.
(b)(1)(G) The inflow design flood control system plan certification (see Section 845.510(c))	Based on a review of the CCR unit's records, the CCR unit is designed, operated, and maintained to adequately manage the flow from the CCR impoundment and control the peak discharge from the inflow design flood.

35 IAC § 845.540 - Annual inspection by a qualified professional engineer.

I, James Knutelski, P.E., certify under penalty of law that the information submitted in this report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the state of Illinois. The information submitted, is to the best of my knowledge and belief, true, accurate and complete. Based on the annual inspection, the design, construction, operation, and maintenance of the CCR Unit is consistent with recognized and generally accepted good engineering standards. Based on a review of the records for the CCR unit and a visual inspection of the unit to document no material changes to the unit, the hazard potential classification was conducted in accordance with the requirements of Section 845.440, the structural stability assessment was conducted in accordance with the requirements of Section 845.450, the safety factor assessment was conducted in accordance with the requirements of Section 845.460, and the inflow design flood control system plan assessment was conducted in accordance with the requirements of Section 845.510.

James Knutelski, PE
Illinois PE No. 062-054206, Expires: 11/30/2025
Date: 12/13/2024

Site Name: Baldwin Energy Complex
CCR Unit: Bottom Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P003	Piezometer	abandoned
P006	Piezometer	abandoned
P007	Piezometer	433.8'

35 IAC § 845.540 (b)(2)(C)						
	Approximate Depth / Elevation					
Since previous inspection:	Elevation (ft)			Depth (ft)		
	Minimum	Present	Maximum	Minimum	Present	Maximum
Impounded Water		418			20	
CCR	415		460	17		62

Section 3

Annual Groundwater Monitoring and Corrective Action Report (Section 845.610(e))

Prepared for
Dynegy Midwest Generation, LLC

Date
January 31, 2025

Project No.
1940106781-001

2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS
IEPA ID NO. W1578510001-06

RAMBOLL Bright ideas. Sustainable change.

2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT BALDWIN POWER PLANT BOTTOM ASH POND

Project name	**Baldwin Power Plant Bottom Ash Pond**
Project no.	**1940106781-001**
Recipient	**Dynegy Midwest Generation, LLC**
Document type	**Annual Groundwater Monitoring and Corrective Action Report**
Version	**FINAL**
Date	**January 31, 2025**
Prepared by	**Scott S. Woods**
Checked by	**Lauren D. Cook**
Approved by	**Brian G. Hennings, PG**
Description	**Annual Report required by 35 I.A.C. § 845**

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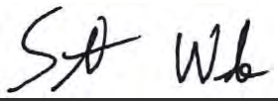
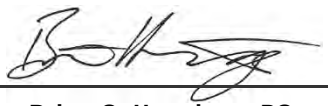


Scott S. Woods
Hydrogeologist



Brian G. Hennings, PG
Project Officer, Hydrogeology

CONTENTS

TABLES (IN TEXT)

TABLES (ATTACHED)

FIGURES (ATTACHED)

ATTACHMENTS

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
ASD	Alternative Source Demonstration
BAP	Bottom Ash Pond
BPP	Baldwin Power Plant
CCA	compliance commitment agreement
CCR	coal combustion residuals
DMG	Dynegy Midwest Generation, LLC
E003	Quarter 4, 2023 sampling event
E003R	Quarter 4, 2023 resampling event
E004	Quarter 1, 2024 sampling event
E005	Quarter 2, 2024 sampling event
E006	Quarter 3, 2024 sampling event
E007	Quarter 4, 2024 sampling event
GMP	Groundwater Monitoring Plan
GWPS	groundwater protection standard
ID	identification
IEPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
NID	National Inventory of Dams
No.	number
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SI	surface impoundment
SSI	statistically significant increase

EXECUTIVE SUMMARY

This report has been prepared to provide the information required by Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(e) (*Annual Groundwater Monitoring and Corrective Action Report*) for the Bottom Ash Pond (BAP) located at Baldwin Power Plant (BPP) near Baldwin, Illinois. The BAP is recognized by coal combustion residuals (CCR) unit identification (ID) number (No.) 601, Illinois Environmental Protection Agency (IEPA) ID No. W1578510001-06, and National Inventory of Dams (NID) No. IL50721.

As required by 35 I.A.C. § 845, an operating permit application for the BAP was submitted by Dynegy Midwest Generation, LLC (DMG) to IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. DMG entered into a compliance commitment agreement (CCA) with IEPA on December 28, 2022. As specified in the CCA, groundwater monitoring for the BAP commenced in the second quarter of 2023 and quarterly groundwater sampling was conducted in 2024 in accordance with 35 I.A.C. § 845.650. All available groundwater monitoring data collected in 2024 is summarized in **Table 1** (field parameters and analytical results) and **Attachment A** (groundwater elevation data). After the BAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

In 2024, background monitoring wells MW-306 and MW-358 were abandoned and MW-358 was replaced with MW-358R. Related updates to the Groundwater Monitoring Plan Revision 1 (Ramboll Americas Engineering Solutions, Inc. [Ramboll], 2023) to reflect these changes will be considered following IEPA review and approval of an operating permit.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the construction permit application (Appendix A of the Groundwater Monitoring Plan Revision 1), constituent concentrations observed at compliance monitoring wells were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances[1] of the GWPS (**Table 2**). The following GWPS exceedances were determined in 2024 (Ramboll, 2024a; Ramboll, 2024b; Ramboll, 2024c):[2]

- Chloride in MW-370
- Fluoride in MW-393 and MW-392
- Lithium in MW-370
- pH (field) in PZ-182 (Quarter 3, 2024)

An Alternative Source Demonstration (ASD) was submitted to IEPA on October 27, 2023 for the exceedances of chloride detected in MW-370 and fluoride detected in monitoring well MW-393 during the Quarter 2, 2023 sampling event, and the IEPA provided a written concurrence with the ASD on November 26, 2023. Both of these documents were included in the 2023 Annual

[1] Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the IEPA on October 31, 2021 as part of DMG’s operating permit application for the BAP. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, DMG has not identified any actual exceedances.

[2] GWPS exceedances determined after January 31, 2025 will be reported in the Quarter 4, 2024 Groundwater Monitoring Data and Detected Exceedances Report.

Groundwater Monitoring and Corrective Action Report (Ramboll, 2024d). A second ASD was submitted on February 6, 2024 for the exceedance of pH detected in PZ-182 during the Quarter 3, 2023 sampling event (Geosyntec, 2024a), and the IEPA provided a written concurrence with the ASD on March 7, 2024 (**Attachment B**). A third ASD was submitted on July 8, 2024 for the exceedance of the lithium GWPS detected in MW-370 during the Quarter 1, 2024 sampling event (Geosyntec, 2024b), and the IEPA provided a written concurrence with the ASD on August 8, 2024 (**Attachment B**). A fourth ASD was submitted on September 17, 2024, for the exceedances of the fluoride GWPS detected in MW-392 during the Quarter 2, 2024 sampling event (Geosyntec, 2024c), and the IEPA provided a written response on October 3, 2024 that it did not concur with the ASD (**Attachment B**). As allowed by 35 I.A.C. § 845.650(e)(7), DMG filed a petition with the Illinois Pollution Control Board (IPCB) for review of the IEPA's non-concurrence on December 2, 2024 and requested a partial stay of the requirements of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance of the fluoride GWPS detected in MW-392. The IPCB accepted the petition on December 19, 2024 (case number 2025-028[3]), but reserved ruling on the partial stay. A fifth ASD was submitted on December 24, 2024 for the exceedance of the fluoride GWPS detected in MW-392 during the Quarter 3, 2024 sampling event (Geosyntec, 2024d), and a response from the IEPA is pending.

In accordance with 35 I.A.C. § 845.610(b)(3)(B), constituent concentrations observed at compliance monitoring wells were also evaluated quarterly for exceedances over statistical background levels (**Attachment C**). Background concentrations were recalculated following the removal of MW-306 from the monitoring system. Updated background concentrations and characteristics of the background data set are provided in **Attachment D**.

[3] https://pcb.illinois.gov/Cases/GetCaseDetailsById?caseId=17558

1. INTRODUCTION

This report has been prepared by Ramboll on behalf of DMG, to provide the information required by 35 I.A.C. § 845.610(e) for the BAP located at BPP near Baldwin, Illinois. The owner or operator of a CCR surface impoundment (SI) must prepare and submit to IEPA by January 31st of each year an Annual Groundwater Monitoring and Corrective Action Report for the preceding calendar year as part of the Annual Consolidated Report required by 35 I.A.C. § 845.550. The Annual Groundwater Monitoring and Corrective Action Report shall document the status of the groundwater monitoring and corrective action plan for the CCR SI (**Section 2**), summarize key actions completed, including the status of permit applications and Agency approvals (**Section 3**), describe any problems encountered and actions to resolve the problems (**Section 4**), and project key activities for the upcoming year (**Section 5**).

At a minimum, the annual report must contain the following information, to the extent available:

A. A map, aerial image, or diagram showing the CCR SI and all background (or upgradient) and [downgradient] compliance monitoring wells, including the well identification numbers, that are part of the groundwater monitoring program for the CCR SI (**Figure 1**) and a visual delineation of any exceedances of the [groundwater protection standard] GWPS (**Figures 2 and 3**).

B. 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**, paragraph 1 and **Table A**).

C. A potentiometric surface map for each groundwater elevation sampling event required by 35 I.A.C. § 845.650(b)(2) (**Figures 4 through 15**).

D. In addition to all the monitoring data obtained under 35 I.A.C. §§ 845.600-680, a summary including the number of groundwater samples that were collected for analysis for each background and [downgradient] compliance well, and the dates the samples were collected (**Section 3.1** and **Table B**).

E. A narrative discussion of any statistically significant increases (SSIs) over background levels for the constituents listed in 35 I.A.C. § 845.600 (**Section 3.3** and **Attachment C**).

F. Other information required to be included in the annual report as specified in 35 I.A.C. §§ 845.600-680.

A section at the beginning of the annual report must provide an overview of the current status of the groundwater monitoring program and corrective action plan for the CCR SI (see **Executive Summary**). At a minimum, the summary must:

A. Specify whether groundwater monitoring data shows an SSI over background concentrations for one or more constituents listed in 35 I.A.C. § 845.600.

1. Identify those constituents having an SSI over background concentrations and the names of the monitoring wells associated with the SSI(s).

B. Specify whether there have been any exceedances of the GWPS for one or more constituents listed in 35 I.A.C. § 845.600.

C. Identify those constituents with exceedances of the GWPS in 35 I.A.C. § 845.600 and the names of the monitoring wells associated with the exceedance.

D. Provide the date when the assessment of corrective measures was initiated for the CCR SI.

E. Provide the date when the assessment of corrective measures was completed for the CCR SI.

F. Specify whether a remedy was selected under 35 I.A.C. § 845.670 during the current annual reporting period, and if so, the date of remedy selection.

G. Specify whether remedial activities were initiated or are ongoing under 35 I.A.C. § 845.780 during the current annual reporting period.

This report provides the required information for the BPP BAP for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

An operating permit application for the BAP was submitted by DMG to IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. DMG entered into a CCA with IEPA on December 28, 2022. As specified in the CCA, groundwater monitoring at the BAP commenced in the second quarter of 2023. The proposed monitoring network provided in the operating permit application for the BAP was revised and expanded in 2023 to incorporate additional background and compliance wells as documented in the revised Groundwater Monitoring Plan (GMP), dated August 1, 2023, which was provided in the 2023 closure permit application for the BAP. Monitoring of the expanded well network commenced in the second quarter of 2023 in accordance with the revised GMP (Ramboll, 2023a). After the BAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit. As specified in the CCA, groundwater sampling requirements that apply to the CCR SI under other existing permit programs will become void upon issuance of an approved operating permit pursuant to 35 I.A.C § 845.

A construction permit application for the BAP was also submitted by DMG to IEPA in 2023 in accordance with the requirements specified in 35 I.A.C. § 845.220(a) and (d) and is pending approval.

As noted in the **Executive Summary** and **Section 3.2**, GWPS exceedances were determined for the BAP in 2024. An ASD was submitted to IEPA on October 27, 2023 for the exceedances of chloride detected in MW-370 and fluoride detected in MW-393 during the Quarter 2, 2023 sampling event, and the IEPA provided a written concurrence with the ASD on November 26, 2023. Both of these documents were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024d). A second ASD was submitted on February 6, 2024 for the exceedance of pH detected in PZ-182 during the Quarter 3, 2023 sampling event (Geosyntec, 2024a), and the IEPA provided a written concurrence with the ASD on March 7, 2024 (**Attachment B**). A third ASD was submitted on July 8, 2024 for the exceedance of the lithium GWPS detected in MW-370 during the Quarter 1, 2024 sampling event (Geosyntec, 2024b), and the IEPA provided a written concurrence with the ASD on August 8, 2024 (**Attachment B**). A fourth ASD was submitted on September 17, 2024, for the exceedances of the fluoride GWPS detected in MW-392 during the Quarter 2, 2024 sampling event (Geosyntec, 2024c), and the IEPA provided a written response on October 3, 2024 that did not concur with the ASD (**Attachment B**). As allowed by 35 I.A.C. § 845.650(e)(7), DMG filed a petition with IPCB for review of the IEPA's non-concurrence on December 2, 2024 and requested a partial stay of the requirements of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedance of the fluoride GWPS detected in MW-392. The IPCB accepted the petition on December 19, 2024 (case number 2025-028[4]), but reserved ruling on the partial stay. A fifth ASD was submitted on December 24, 2024 for the exceedance of the fluoride GWPS detected in MW-392 during the Quarter 3, 2024 sampling event (Geosyntec, 2024d), and a response from the IEPA is pending (**Attachment B**).

[4] https://pcb.illinois.gov/Cases/GetCaseDetailsById?caseId=17558

3. KEY ACTIONS COMPLETED IN 2024

The proposed 35 I.A.C. § 845 monitoring system is presented in **Figure 1**. An ASD completed on February 6, 2024 for the pH GWPS exceedance detected at Baldwin Fly Ash Pond compliance well MW-253 during the Quarter 3, 2023 sampling event identified contamination of the groundwater by the grout used during construction of the monitoring well as the alternative source for the GWPS exceedance. The IEPA provided written concurrence with the ASD on March 7, 2024. Consequently, a work plan to address this contamination via well abandonment and replacement dated March 14, 2024 was submitted to the IEPA (Luminant, 2024a). Similar conditions were also observed historically in background well MW-306 and in Fly Ash Pond compliance well MW-350 during Quarter 1, 2024, and these wells were also proposed for abandonment in the work plan. The IEPA provided written concurrence with the work plan on April 9, 2024 (IEPA, 2024) and the wells were subsequently abandoned and replaced in early May.

Following the observation of abnormally high groundwater elevations, background well MW-358 was inspected and one of the well casing joints in MW-358 was observed to be compromised. The IEPA was notified on September 16, 2024 (Luminant, 2024b) and MW-358 was abandoned and replaced with MW-358R in October 2024. Updates to the GMP Revision 1 (Ramboll, 2023) will be considered following IEPA review and approval of an operating permit. Updates to the monitoring system are summarized in **Table A** below.

Table A. Groundwater Monitoring System Updates

Well type	2021	After July 2023	after May 2024	After October 2024
Background	MW-304	MW-304	MW-304	MW-304
Background	MW-306	MW-306		
Compliance	MW-356	MW-356	MW-356	MW-356
Compliance	MW-369	MW-369	MW-369	MW-369
Compliance	MW-370	MW-370	MW-370	MW-370
Compliance	MW-382	MW-382	MW-382	MW-382
WLO	TZP-164	TZP-164	TZP-164	TZP-164
Compliance	OW-256	OW-256	OW-256	OW-256
Compliance	OW-257	OW-257	OW-257	OW-257
Compliance	PZ-170	PZ-170	PZ-170	PZ-170
Compliance	PZ-182	PZ-182	PZ-182	PZ-182
Compliance		MW-192	MW-192	MW-192
Compliance		MW-193	MW-193	MW-193
Background		MW-358	MW-358	MW-358R
Compliance		MW-392	MW-392	MW-392
Compliance		MW-393	MW-393	MW-393
Compliance		MW-394	MW-394	MW-394
WLO		XPW01	XPW01	XPW01
WLO		XWP05	XWP05	XWP05
WLO		XPW06	XPW06	XPW06

Monthly groundwater level elevations were collected in 2024 as required by 35 I.A.C. § 845.650(b)(2). **Attachment A** summarizes the groundwater elevation data collected in 2024. Potentiometric surfaces for January through December 2024 are included in **Figures 4 through 15**[5].

A summary of the samples collected in 2024 is included in **Section 3.1**. Narrative discussions of exceedances of GWPSs and background are included in **Section 3.2** and **Section 3.3**, respectively. Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023a).

3.1 Sample and Analysis Summary

One groundwater sample was collected from each background and compliance well during each quarterly monitoring event in 2024[6,7,8]. All samples were collected and analyzed in accordance with the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023a). A summary of the samples collected from background and compliance monitoring wells in 2024 is included in **Table B** on the following page. **Table 1** is a summary of the field parameters and analytical results from the 2024 sampling events. Laboratory analytical reports and field data sheets are attached to the quarterly Groundwater Monitoring Data and Detected Exceedances Reports for Quarters 1 through 3 (Ramboll, 2024a; Ramboll, 2024b; Ramboll, 2024c); therefore, these reports are not attached to this annual report to avoid reproduction of lengthy data transmittals that have been previously provided in hardcopy. Laboratory report and field data sheets will be provided in the fourth quarter Groundwater Monitoring Data and Detected Exceedance Report, therefore, will not be attached to this annual report for similar reasons.

[5] Background monitoring well MW-306 was abandoned in May 2024 due to grout contamination; therefore, no groundwater elevation data was recorded during the April 2024 sampling event.
[6] Background monitoring well MW-306 was being abandoned in May 2024 due to grout contamination; therefore, no groundwater sample was collected during the April 2024 sampling event.
[7] During July 2024 sampling events the following background wells were sampled: MW-304 and MW-358.
[8] During October 2024 sampling event the following background wells were sampled: MW-304 and MW-358R. Background monitoring well MW-358 was abandoned and replaced with MW-358R in October 2024.

Table B. 35 I.A.C. § 845 Monitoring Program Summary for 2024

Event ID	Sampling Dates [1]	Analytical Data Receipt Date	Exceedance Determination Date	ASD Completion Date
E003 [2,3]	October 31 – November 3, 2023	December 11 2023	February 9, 2024 [4]	NA
E003R [5]	January 9, 2024	January 16, 2024	NA	NA
E004 [2,3]	February 5 – 8, 2024	March 11, 2024	May 10, 2024	July 9, 2024
E005 [2,3]	April 16 – 18, 2024	May 20, 2024	July 19, 2024	September 17, 2024
E006 [2,3]	July 17 – 22, 2024	August 26, 2024	October 25, 2024	December 20, 2024
E007 [3,6]	October 14 – November 1, 2024	December 6, 2024	TBD [7]	TBD

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

TBD: to be determined after January 31, 2025

[1] All samples were analyzed for the parameters listed in 35 I.A.C. § 845.600, calcium, and turbidity unless otherwise noted.

[2] The following background wells were sampled for this event: MW-304 and MW-358

[3] The following compliance wells were sampled for this event: MW-192, MW-193, MW-356, MW-369, MW-370, MW-382, MW-392, MW-393, MW-394, OW-256, OW-257, PZ-170, and PZ-182

[4] Statistical determinations were completed in 2024 and are included in the 2024 Annual Groundwater Monitoring and Corrective Action Report for completeness. Analytical data from 2023 sampling events used in statistical determinations are included in the Quarter 4, 2023 Groundwater Monitoring Data and Detected Exceedances Report.

[5] Monitoring wells MW-392 and MW-393 were analyzed for thallium.

[6] Background monitoring well MW-358 was abandoned and replaced in October 2024 with background monitoring well MW-358R. The following background wells were sampled for this event: MW-304 and MW-358R.

[7] GWPS exceedances determined after January 31, 2025 will be reported in the Quarter 4, 2024 Groundwater Monitoring Data and Detected Exceedances Report.

3.2 Exceedances of GWPS

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the constituent concentrations observed at compliance monitoring wells identified as Statistical Results in **Table 2** were compared with the GWPSs described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS. The following exceedances of the GWPSs were determined and are shown on **Figures 2 and 3**[9]:

- Chloride in MW-370
- Fluoride in MW-393 and MW-392
- Lithium in MW-370

Response actions for these exceedances are summarized in **Section 2**.

3.3 Exceedances of Background

In accordance with 35 I.A.C. § 845.610(b)(3)(B), constituent concentrations observed at compliance monitoring wells were also evaluated quarterly for exceedances over statistical background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the constituent concentrations compared to statistical background levels.

Background concentrations were recalculated following the removal of MW-306 from the monitoring system. Updated background concentrations and characteristics of the background data set are provided in **Attachment D**.

[9] GWPS exceedances determined after January 31, 2025 will be reported in the Quarter 4, 2024 Groundwater Monitoring Data and Detected Exceedances Report.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

Quarterly groundwater monitoring was completed in 2024. Groundwater samples were collected and analyzed in accordance with the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023a) and all data were accepted. After the BAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

Routine maintenance monitoring of the well network and alternative source demonstration results identified deficiencies in some monitoring well conditions which were remedied as described in Section 3. As noted in **Section 3**, background concentrations were updated to exclude all data from MW-306 (**Attachment D**).

MW-358 was abandoned and replaced due to compromised well casing following field inspection. Background concentrations were updated as described above (to exclude data from former background well MW-306) before MW-358 became compromised based upon observed concentrations at that well. Consequently, further updates to background are not necessary at this time, and data from background well MW-358 generated after it became compromised (*i.e.*, data collected during 2024) will be excluded from future background updates. The populations of data collected from MW-358 prior to 2024 and from MW-358R will be compared once eight samples have been collected from MW-358R to determine if data from MW-358 and MW-358R should be pooled for the purposes of updating background concentrations.

Related updates to the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023) to reflect these changes will be considered following IEPA review and approval of an operating permit.

5. KEY ACTIVITIES PLANNED FOR 2025

The following key activities are planned for 2025:

- Continuation of groundwater monitoring in accordance with the proposed groundwater monitoring plan and sampling methodologies provided in the operating permit application for the BAP. After the BAP has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit. Groundwater monitoring will include:
  - Monthly groundwater elevations
  - Quarterly groundwater sampling
- Complete evaluation of analytical data from the compliance wells to determine whether exceedances above GWPSs have occurred.
- If a GWPS exceedance is identified, potential alternative sources (*i.e.,* a source other than the CCR unit caused the GWPS exceedance or that the exceedance resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated.
  - If an alternative source is identified to be the cause of the GWPS exceedance, a written demonstration will be completed within 60 days of determination and included in the 2025 Annual Groundwater Monitoring and Corrective Action Report.
  - If an alternative source(s) is not identified to be the cause of the GWPS exceedance, the applicable requirements of 35 I.A.C. § 845.660 will be met.

6. REFERENCES

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TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E004	02/05/2024	Antimony, total	0.0004 U	mg/L
MW-304	Background	E004	02/05/2024	Arsenic, total	0.00380	mg/L
MW-304	Background	E004	02/05/2024	Barium, total	0.0295	mg/L
MW-304	Background	E004	02/05/2024	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E004	02/05/2024	Boron, total	1.53	mg/L
MW-304	Background	E004	02/05/2024	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E004	02/05/2024	Calcium, total	12.4	mg/L
MW-304	Background	E004	02/05/2024	Chloride, total	155	mg/L
MW-304	Background	E004	02/05/2024	Chromium, total	0.002 UJ	mg/L
MW-304	Background	E004	02/05/2024	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E004	02/05/2024	Dissolved Oxygen	0.510	mg/L
MW-304	Background	E004	02/05/2024	Fluoride, total	1.77	mg/L
MW-304	Background	E004	02/05/2024	Lead, total	0.0006 U	mg/L
MW-304	Background	E004	02/05/2024	Lithium, total	0.0763	mg/L
MW-304	Background	E004	02/05/2024	Mercury, total	0.00006 U	mg/L
MW-304	Background	E004	02/05/2024	Molybdenum, total	0.002 UJ	mg/L
MW-304	Background	E004	02/05/2024	Oxidation Reduction Potential	92.0	mV
MW-304	Background	E004	02/05/2024	pH (field)	7.7	SU
MW-304	Background	E004	02/05/2024	Radium 226 + Radium 228, total	0.133	pCi/L
MW-304	Background	E004	02/05/2024	Selenium, total	0.0006 U	mg/L
MW-304	Background	E004	02/05/2024	Specific Conductance @ 25C (field)	2,280	micromhos/cm
MW-304	Background	E004	02/05/2024	Sulfate, total	185	mg/L
MW-304	Background	E004	02/05/2024	Temperature	14.8	degrees C
MW-304	Background	E004	02/05/2024	Thallium, total	0.001 U	mg/L
MW-304	Background	E004	02/05/2024	Total Dissolved Solids	1,440	mg/L
MW-304	Background	E004	02/05/2024	Turbidity, field	6.80	NTU
MW-358	Background	E004	02/06/2024	Antimony, total	0.001 UJ	mg/L
MW-358	Background	E004	02/06/2024	Arsenic, total	0.00620	mg/L
MW-358	Background	E004	02/06/2024	Barium, total	0.215	mg/L
MW-358	Background	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E004	02/06/2024	Boron, total	0.771	mg/L
MW-358	Background	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E004	02/06/2024	Calcium, total	30.3	mg/L
MW-358	Background	E004	02/06/2024	Chloride, total	917	mg/L
MW-358	Background	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
MW-358	Background	E004	02/06/2024	Cobalt, total	0.0009 J	mg/L
MW-358	Background	E004	02/06/2024	Dissolved Oxygen	0.760	mg/L
MW-358	Background	E004	02/06/2024	Fluoride, total	2.40	mg/L
MW-358	Background	E004	02/06/2024	Lead, total	0.0008 J	mg/L
MW-358	Background	E004	02/06/2024	Lithium, total	0.115	mg/L
MW-358	Background	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-358	Background	E004	02/06/2024	Molybdenum, total	0.00410 J+	mg/L
MW-358	Background	E004	02/06/2024	Oxidation Reduction Potential	-170	mV
MW-358	Background	E004	02/06/2024	pH (field)	7.9	SU
MW-358	Background	E004	02/06/2024	Radium 226 + Radium 228, total	0.854	pCi/L
MW-358	Background	E004	02/06/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-358	Background	E004	02/06/2024	Specific Conductance @ 25C (field)	3,500	micromhos/cm
MW-358	Background	E004	02/06/2024	Sulfate, total	20.0	mg/L
MW-358	Background	E004	02/06/2024	Temperature	13.3	degrees C
MW-358	Background	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-358	Background	E004	02/06/2024	Total Dissolved Solids	2,280	mg/L
MW-358	Background	E004	02/06/2024	Turbidity, field	48.0	NTU
MW-192	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-192	Compliance	E004	02/06/2024	Arsenic, total	0.0006 J	mg/L
MW-192	Compliance	E004	02/06/2024	Barium, total	0.0938	mg/L
MW-192	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E004	02/06/2024	Boron, total	0.0387	mg/L
MW-192	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E004	02/06/2024	Calcium, total	71.5	mg/L
MW-192	Compliance	E004	02/06/2024	Chloride, total	20.0	mg/L
MW-192	Compliance	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
MW-192	Compliance	E004	02/06/2024	Cobalt, total	0.0009 J	mg/L
MW-192	Compliance	E004	02/06/2024	Dissolved Oxygen	0.530	mg/L
MW-192	Compliance	E004	02/06/2024	Fluoride, total	0.430	mg/L
MW-192	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-192	Compliance	E004	02/06/2024	Lithium, total	0.00450	mg/L
MW-192	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E004	02/06/2024	Molybdenum, total	0.00210 J+	mg/L
MW-192	Compliance	E004	02/06/2024	Oxidation Reduction Potential	141	mV
MW-192	Compliance	E004	02/06/2024	pH (field)	6.8	SU
MW-192	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.567	pCi/L
MW-192	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	695	micromhos/cm
MW-192	Compliance	E004	02/06/2024	Sulfate, total	15.0	mg/L
MW-192	Compliance	E004	02/06/2024	Temperature	14.3	degrees C
MW-192	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E004	02/06/2024	Total Dissolved Solids	450	mg/L
MW-192	Compliance	E004	02/06/2024	Turbidity, field	6.00	NTU
MW-193	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-193	Compliance	E004	02/06/2024	Arsenic, total	0.0008 J	mg/L
MW-193	Compliance	E004	02/06/2024	Barium, total	0.0780	mg/L
MW-193	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E004	02/06/2024	Boron, total	0.0496	mg/L
MW-193	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E004	02/06/2024	Calcium, total	84.6	mg/L
MW-193	Compliance	E004	02/06/2024	Chloride, total	33.0	mg/L
MW-193	Compliance	E004	02/06/2024	Chromium, total	0.0007 U	mg/L
MW-193	Compliance	E004	02/06/2024	Cobalt, total	0.0004 J	mg/L
MW-193	Compliance	E004	02/06/2024	Dissolved Oxygen	1.08	mg/L
MW-193	Compliance	E004	02/06/2024	Fluoride, total	0.240	mg/L
MW-193	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E004	02/06/2024	Lithium, total	0.00470	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-193	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E004	02/06/2024	Molybdenum, total	0.002 UJ	mg/L
MW-193	Compliance	E004	02/06/2024	Oxidation Reduction Potential	59.0	mV
MW-193	Compliance	E004	02/06/2024	pH (field)	6.7	SU
MW-193	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.377	pCi/L
MW-193	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	863	micromhos/cm
MW-193	Compliance	E004	02/06/2024	Sulfate, total	163	mg/L
MW-193	Compliance	E004	02/06/2024	Temperature	15.9	degrees C
MW-193	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E004	02/06/2024	Total Dissolved Solids	572	mg/L
MW-193	Compliance	E004	02/06/2024	Turbidity, field	7.20	NTU
MW-356	Compliance	E004	02/07/2024	Antimony, total	0.00100 J+	mg/L
MW-356	Compliance	E004	02/07/2024	Arsenic, total	0.0008 J	mg/L
MW-356	Compliance	E004	02/07/2024	Barium, total	0.0372	mg/L
MW-356	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E004	02/07/2024	Boron, total	2.05	mg/L
MW-356	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E004	02/07/2024	Calcium, total	12.0	mg/L
MW-356	Compliance	E004	02/07/2024	Chloride, total	31.0	mg/L
MW-356	Compliance	E004	02/07/2024	Chromium, total	0.001 U	mg/L
MW-356	Compliance	E004	02/07/2024	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E004	02/07/2024	Dissolved Oxygen	0.510	mg/L
MW-356	Compliance	E004	02/07/2024	Fluoride, total	2.02	mg/L
MW-356	Compliance	E004	02/07/2024	Lead, total	0.0008 U	mg/L
MW-356	Compliance	E004	02/07/2024	Lithium, total	0.0646	mg/L
MW-356	Compliance	E004	02/07/2024	Mercury, total	0.0002 UJ	mg/L
MW-356	Compliance	E004	02/07/2024	Molybdenum, total	0.002 UJ	mg/L
MW-356	Compliance	E004	02/07/2024	Oxidation Reduction Potential	-34.0	mV
MW-356	Compliance	E004	02/07/2024	pH (field)	7.6	SU
MW-356	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.783	pCi/L
MW-356	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,070	micromhos/cm
MW-356	Compliance	E004	02/07/2024	Sulfate, total	44.0	mg/L
MW-356	Compliance	E004	02/07/2024	Temperature	13.2	degrees C
MW-356	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E004	02/07/2024	Total Dissolved Solids	650	mg/L
MW-356	Compliance	E004	02/07/2024	Turbidity, field	2.70	NTU
MW-369	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-369	Compliance	E004	02/06/2024	Arsenic, total	0.00170	mg/L
MW-369	Compliance	E004	02/06/2024	Barium, total	0.0884	mg/L
MW-369	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E004	02/06/2024	Boron, total	0.300	mg/L
MW-369	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E004	02/06/2024	Calcium, total	98.5	mg/L
MW-369	Compliance	E004	02/06/2024	Chloride, total	293	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-369	Compliance	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
MW-369	Compliance	E004	02/06/2024	Cobalt, total	0.00100 J	mg/L
MW-369	Compliance	E004	02/06/2024	Dissolved Oxygen	2.02	mg/L
MW-369	Compliance	E004	02/06/2024	Fluoride, total	3.73	mg/L
MW-369	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E004	02/06/2024	Lithium, total	0.0160	mg/L
MW-369	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-369	Compliance	E004	02/06/2024	Molybdenum, total	0.00430 J+	mg/L
MW-369	Compliance	E004	02/06/2024	Oxidation Reduction Potential	55.0	mV
MW-369	Compliance	E004	02/06/2024	pH (field)	8.1	SU
MW-369	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.646	pCi/L
MW-369	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	2,230	micromhos/cm
MW-369	Compliance	E004	02/06/2024	Sulfate, total	123	mg/L
MW-369	Compliance	E004	02/06/2024	Temperature	13.8	degrees C
MW-369	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E004	02/06/2024	Total Dissolved Solids	1,530	mg/L
MW-369	Compliance	E004	02/06/2024	Turbidity, field	24.0	NTU
MW-370	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-370	Compliance	E004	02/06/2024	Arsenic, total	0.0009 J	mg/L
MW-370	Compliance	E004	02/06/2024	Barium, total	0.0417	mg/L
MW-370	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E004	02/06/2024	Boron, total	1.69	mg/L
MW-370	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E004	02/06/2024	Calcium, total	40.1	mg/L
MW-370	Compliance	E004	02/06/2024	Chloride, total	1,460	mg/L
MW-370	Compliance	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
MW-370	Compliance	E004	02/06/2024	Cobalt, total	0.0001 J	mg/L
MW-370	Compliance	E004	02/06/2024	Dissolved Oxygen	1.60	mg/L
MW-370	Compliance	E004	02/06/2024	Fluoride, total	3.28	mg/L
MW-370	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E004	02/06/2024	Lithium, total	0.169	mg/L
MW-370	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E004	02/06/2024	Molybdenum, total	0.00700	mg/L
MW-370	Compliance	E004	02/06/2024	Oxidation Reduction Potential	15.0	mV
MW-370	Compliance	E004	02/06/2024	pH (field)	7.4	SU
MW-370	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	1.16	pCi/L
MW-370	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	4,570	micromhos/cm
MW-370	Compliance	E004	02/06/2024	Sulfate, total	257	mg/L
MW-370	Compliance	E004	02/06/2024	Temperature	14.0	degrees C
MW-370	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E004	02/06/2024	Total Dissolved Solids	3,170	mg/L
MW-370	Compliance	E004	02/06/2024	Turbidity, field	8.90	NTU
MW-382	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-382	Compliance	E004	02/06/2024	Arsenic, total	0.00330	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E004	02/06/2024	Barium, total	0.0342	mg/L
MW-382	Compliance	E004	02/06/2024	Beryllium, total	0.0006 J	mg/L
MW-382	Compliance	E004	02/06/2024	Boron, total	1.59	mg/L
MW-382	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E004	02/06/2024	Calcium, total	26.0	mg/L
MW-382	Compliance	E004	02/06/2024	Chloride, total	43.0	mg/L
MW-382	Compliance	E004	02/06/2024	Chromium, total	0.0106	mg/L
MW-382	Compliance	E004	02/06/2024	Cobalt, total	0.00490	mg/L
MW-382	Compliance	E004	02/06/2024	Dissolved Oxygen	0.960	mg/L
MW-382	Compliance	E004	02/06/2024	Fluoride, total	3.36	mg/L
MW-382	Compliance	E004	02/06/2024	Lead, total	0.00560	mg/L
MW-382	Compliance	E004	02/06/2024	Lithium, total	0.0904	mg/L
MW-382	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E004	02/06/2024	Molybdenum, total	0.002 UJ	mg/L
MW-382	Compliance	E004	02/06/2024	Oxidation Reduction Potential	64.0	mV
MW-382	Compliance	E004	02/06/2024	pH (field)	7.8	SU
MW-382	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	1.28	pCi/L
MW-382	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	1,470	micromhos/cm
MW-382	Compliance	E004	02/06/2024	Sulfate, total	435	mg/L
MW-382	Compliance	E004	02/06/2024	Temperature	14.9	degrees C
MW-382	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E004	02/06/2024	Total Dissolved Solids	1,210	mg/L
MW-382	Compliance	E004	02/06/2024	Turbidity, field	110	NTU
MW-392	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-392	Compliance	E004	02/06/2024	Arsenic, total	0.0004 U	mg/L
MW-392	Compliance	E004	02/06/2024	Barium, total	0.0551	mg/L
MW-392	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E004	02/06/2024	Boron, total	1.74	mg/L
MW-392	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E004	02/06/2024	Calcium, total	25.3	mg/L
MW-392	Compliance	E004	02/06/2024	Chloride, total	863	mg/L
MW-392	Compliance	E004	02/06/2024	Chromium, total	0.00180 J+	mg/L
MW-392	Compliance	E004	02/06/2024	Cobalt, total	0.0002 J	mg/L
MW-392	Compliance	E004	02/06/2024	Dissolved Oxygen	1.43	mg/L
MW-392	Compliance	E004	02/06/2024	Fluoride, total	4.28	mg/L
MW-392	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E004	02/06/2024	Lithium, total	0.108	mg/L
MW-392	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-392	Compliance	E004	02/06/2024	Molybdenum, total	0.002 UJ	mg/L
MW-392	Compliance	E004	02/06/2024	Oxidation Reduction Potential	-8.00	mV
MW-392	Compliance	E004	02/06/2024	pH (field)	7.6	SU
MW-392	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.474	pCi/L
MW-392	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	3,030	micromhos/cm
MW-392	Compliance	E004	02/06/2024	Sulfate, total	59.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-392	Compliance	E004	02/06/2024	Temperature	14.3	degrees C
MW-392	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E004	02/06/2024	Total Dissolved Solids	1,810	mg/L
MW-392	Compliance	E004	02/06/2024	Turbidity, field	9.60	NTU
MW-393	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-393	Compliance	E004	02/06/2024	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E004	02/06/2024	Barium, total	0.0578	mg/L
MW-393	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E004	02/06/2024	Boron, total	1.63	mg/L
MW-393	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E004	02/06/2024	Calcium, total	6.43	mg/L
MW-393	Compliance	E004	02/06/2024	Chloride, total	741	mg/L
MW-393	Compliance	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
MW-393	Compliance	E004	02/06/2024	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E004	02/06/2024	Dissolved Oxygen	0.400	mg/L
MW-393	Compliance	E004	02/06/2024	Fluoride, total	9.27	mg/L
MW-393	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E004	02/06/2024	Lithium, total	0.110	mg/L
MW-393	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E004	02/06/2024	Molybdenum, total	0.0006 U	mg/L
MW-393	Compliance	E004	02/06/2024	Oxidation Reduction Potential	-142	mV
MW-393	Compliance	E004	02/06/2024	pH (field)	8.1	SU
MW-393	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.615	pCi/L
MW-393	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	3,800	micromhos/cm
MW-393	Compliance	E004	02/06/2024	Sulfate, total	206	mg/L
MW-393	Compliance	E004	02/06/2024	Temperature	15.3	degrees C
MW-393	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E004	02/06/2024	Total Dissolved Solids	2,470	mg/L
MW-393	Compliance	E004	02/06/2024	Turbidity, field	6.60	NTU
MW-394	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-394	Compliance	E004	02/06/2024	Arsenic, total	0.0004 U	mg/L
MW-394	Compliance	E004	02/06/2024	Barium, total	0.0432	mg/L
MW-394	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E004	02/06/2024	Boron, total	1.73	mg/L
MW-394	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E004	02/06/2024	Calcium, total	10.1	mg/L
MW-394	Compliance	E004	02/06/2024	Chloride, total	790	mg/L
MW-394	Compliance	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
MW-394	Compliance	E004	02/06/2024	Cobalt, total	0.0002 J	mg/L
MW-394	Compliance	E004	02/06/2024	Dissolved Oxygen	0.430	mg/L
MW-394	Compliance	E004	02/06/2024	Fluoride, total	4.83	mg/L
MW-394	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E004	02/06/2024	Lithium, total	0.128	mg/L
MW-394	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E004	02/06/2024	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-394	Compliance	E004	02/06/2024	Oxidation Reduction Potential	-264	mV
MW-394	Compliance	E004	02/06/2024	pH (field)	7.9	SU
MW-394	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.358	pCi/L
MW-394	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	3,960	micromhos/cm
MW-394	Compliance	E004	02/06/2024	Sulfate, total	105	mg/L
MW-394	Compliance	E004	02/06/2024	Temperature	14.1	degrees C
MW-394	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E004	02/06/2024	Total Dissolved Solids	2,330	mg/L
MW-394	Compliance	E004	02/06/2024	Turbidity, field	1.60	NTU
OW-256	Compliance	E004	02/07/2024	Antimony, total	0.0004 U	mg/L
OW-256	Compliance	E004	02/07/2024	Arsenic, total	0.00110	mg/L
OW-256	Compliance	E004	02/07/2024	Barium, total	0.110	mg/L
OW-256	Compliance	E004	02/07/2024	Beryllium, total	0.0003 J	mg/L
OW-256	Compliance	E004	02/07/2024	Boron, total	0.204	mg/L
OW-256	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
OW-256	Compliance	E004	02/07/2024	Calcium, total	84.8	mg/L
OW-256	Compliance	E004	02/07/2024	Chloride, total	63.0	mg/L
OW-256	Compliance	E004	02/07/2024	Chromium, total	0.002 UJ	mg/L
OW-256	Compliance	E004	02/07/2024	Cobalt, total	0.0008 J	mg/L
OW-256	Compliance	E004	02/07/2024	Dissolved Oxygen	0.830	mg/L
OW-256	Compliance	E004	02/07/2024	Fluoride, total	0.250	mg/L
OW-256	Compliance	E004	02/07/2024	Lead, total	0.0008 J	mg/L
OW-256	Compliance	E004	02/07/2024	Lithium, total	0.00700	mg/L
OW-256	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
OW-256	Compliance	E004	02/07/2024	Molybdenum, total	0.0006 U	mg/L
OW-256	Compliance	E004	02/07/2024	Oxidation Reduction Potential	24.0	mV
OW-256	Compliance	E004	02/07/2024	pH (field)	6.8	SU
OW-256	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.624	pCi/L
OW-256	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	780	micromhos/cm
OW-256	Compliance	E004	02/07/2024	Sulfate, total	87.0	mg/L
OW-256	Compliance	E004	02/07/2024	Temperature	14.9	degrees C
OW-256	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E004	02/07/2024	Total Dissolved Solids	492	mg/L
OW-256	Compliance	E004	02/07/2024	Turbidity, field	2.40	NTU
OW-257	Compliance	E004	02/06/2024	Antimony, total	0.00140 J+	mg/L
OW-257	Compliance	E004	02/06/2024	Arsenic, total	0.00190	mg/L
OW-257	Compliance	E004	02/06/2024	Barium, total	0.122	mg/L
OW-257	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E004	02/06/2024	Boron, total	0.518	mg/L
OW-257	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E004	02/06/2024	Calcium, total	105	mg/L
OW-257	Compliance	E004	02/06/2024	Chloride, total	8.00	mg/L
OW-257	Compliance	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
OW-257	Compliance	E004	02/06/2024	Cobalt, total	0.0008 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-257	Compliance	E004	02/06/2024	Dissolved Oxygen	4.64	mg/L
OW-257	Compliance	E004	02/06/2024	Fluoride, total	0.410	mg/L
OW-257	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
OW-257	Compliance	E004	02/06/2024	Lithium, total	0.0369	mg/L
OW-257	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E004	02/06/2024	Molybdenum, total	0.00280 J+	mg/L
OW-257	Compliance	E004	02/06/2024	Oxidation Reduction Potential	61.0	mV
OW-257	Compliance	E004	02/06/2024	pH (field)	7.2	SU
OW-257	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.366	pCi/L
OW-257	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	881	micromhos/cm
OW-257	Compliance	E004	02/06/2024	Sulfate, total	107	mg/L
OW-257	Compliance	E004	02/06/2024	Temperature	12.1	degrees C
OW-257	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E004	02/06/2024	Total Dissolved Solids	684	mg/L
OW-257	Compliance	E004	02/06/2024	Turbidity, field	13.0	NTU
PZ-170	Compliance	E004	02/06/2024	Antimony, total	0.00630 J+	mg/L
PZ-170	Compliance	E004	02/06/2024	Arsenic, total	0.00130	mg/L
PZ-170	Compliance	E004	02/06/2024	Barium, total	0.205	mg/L
PZ-170	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
PZ-170	Compliance	E004	02/06/2024	Boron, total	0.276	mg/L
PZ-170	Compliance	E004	02/06/2024	Cadmium, total	0.0006 J	mg/L
PZ-170	Compliance	E004	02/06/2024	Calcium, total	182	mg/L
PZ-170	Compliance	E004	02/06/2024	Chloride, total	80.0	mg/L
PZ-170	Compliance	E004	02/06/2024	Chromium, total	0.00230 J+	mg/L
PZ-170	Compliance	E004	02/06/2024	Cobalt, total	0.00350	mg/L
PZ-170	Compliance	E004	02/06/2024	Dissolved Oxygen	1.80	mg/L
PZ-170	Compliance	E004	02/06/2024	Fluoride, total	0.200	mg/L
PZ-170	Compliance	E004	02/06/2024	Lead, total	0.0008 J	mg/L
PZ-170	Compliance	E004	02/06/2024	Lithium, total	0.0438	mg/L
PZ-170	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E004	02/06/2024	Molybdenum, total	0.0006 U	mg/L
PZ-170	Compliance	E004	02/06/2024	Oxidation Reduction Potential	-53.0	mV
PZ-170	Compliance	E004	02/06/2024	pH (field)	6.5	SU
PZ-170	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.721	pCi/L
PZ-170	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	1,270	micromhos/cm
PZ-170	Compliance	E004	02/06/2024	Sulfate, total	185	mg/L
PZ-170	Compliance	E004	02/06/2024	Temperature	14.4	degrees C
PZ-170	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E004	02/06/2024	Total Dissolved Solids	1,080	mg/L
PZ-170	Compliance	E004	02/06/2024	Turbidity, field	19.0	NTU
PZ-182	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
PZ-182	Compliance	E004	02/06/2024	Arsenic, total	0.0008 J	mg/L
PZ-182	Compliance	E004	02/06/2024	Barium, total	0.104	mg/L
PZ-182	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
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BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E004	02/06/2024	Boron, total	0.516	mg/L
PZ-182	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
PZ-182	Compliance	E004	02/06/2024	Calcium, total	150	mg/L
PZ-182	Compliance	E004	02/06/2024	Chloride, total	38.0	mg/L
PZ-182	Compliance	E004	02/06/2024	Chromium, total	0.002 UJ	mg/L
PZ-182	Compliance	E004	02/06/2024	Cobalt, total	0.0009 J	mg/L
PZ-182	Compliance	E004	02/06/2024	Dissolved Oxygen	1.30	mg/L
PZ-182	Compliance	E004	02/06/2024	Fluoride, total	0.160	mg/L
PZ-182	Compliance	E004	02/06/2024	Lead, total	0.0008 J	mg/L
PZ-182	Compliance	E004	02/06/2024	Lithium, total	0.0223	mg/L
PZ-182	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
PZ-182	Compliance	E004	02/06/2024	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E004	02/06/2024	Oxidation Reduction Potential	10.0	mV
PZ-182	Compliance	E004	02/06/2024	pH (field)	6.5	SU
PZ-182	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.00761	pCi/L
PZ-182	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	1,010	micromhos/cm
PZ-182	Compliance	E004	02/06/2024	Sulfate, total	178	mg/L
PZ-182	Compliance	E004	02/06/2024	Temperature	15.6	degrees C
PZ-182	Compliance	E004	02/06/2024	Thallium, total	0.0014 J	mg/L
PZ-182	Compliance	E004	02/06/2024	Total Dissolved Solids	886	mg/L
PZ-182	Compliance	E004	02/06/2024	Turbidity, field	24.0	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E005	04/16/2024	Antimony, total	0.0005 J	mg/L
MW-304	Background	E005	04/16/2024	Arsenic, total	0.00280	mg/L
MW-304	Background	E005	04/16/2024	Barium, total	0.0199	mg/L
MW-304	Background	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E005	04/16/2024	Boron, total	1.70	mg/L
MW-304	Background	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E005	04/16/2024	Calcium, total	13.0	mg/L
MW-304	Background	E005	04/16/2024	Chloride, total	161	mg/L
MW-304	Background	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-304	Background	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E005	04/16/2024	Dissolved Oxygen	0.210	mg/L
MW-304	Background	E005	04/16/2024	Fluoride, total	1.69	mg/L
MW-304	Background	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-304	Background	E005	04/16/2024	Lithium, total	0.0823	mg/L
MW-304	Background	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-304	Background	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-304	Background	E005	04/16/2024	Oxidation Reduction Potential	44.0	mV
MW-304	Background	E005	04/16/2024	pH (field)	7.8	SU
MW-304	Background	E005	04/16/2024	Radium 226 + Radium 228, total	1.01	pCi/L
MW-304	Background	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-304	Background	E005	04/16/2024	Specific Conductance @ 25C (field)	2,460	micromhos/cm
MW-304	Background	E005	04/16/2024	Sulfate, total	195	mg/L
MW-304	Background	E005	04/16/2024	Temperature	17.3	degrees C
MW-304	Background	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-304	Background	E005	04/16/2024	Total Dissolved Solids	1,340	mg/L
MW-304	Background	E005	04/16/2024	Turbidity, field	7.10	NTU
MW-358	Background	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
MW-358	Background	E005	04/17/2024	Arsenic, total	0.00140	mg/L
MW-358	Background	E005	04/17/2024	Barium, total	0.120	mg/L
MW-358	Background	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E005	04/17/2024	Boron, total	0.277 J+	mg/L
MW-358	Background	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E005	04/17/2024	Calcium, total	59.4	mg/L
MW-358	Background	E005	04/17/2024	Chloride, total	458	mg/L
MW-358	Background	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
MW-358	Background	E005	04/17/2024	Cobalt, total	0.0003 J	mg/L
MW-358	Background	E005	04/17/2024	Dissolved Oxygen	0.540	mg/L
MW-358	Background	E005	04/17/2024	Fluoride, total	1.53	mg/L
MW-358	Background	E005	04/17/2024	Lead, total	0.0006 U	mg/L
MW-358	Background	E005	04/17/2024	Lithium, total	0.0425	mg/L
MW-358	Background	E005	04/17/2024	Mercury, total	0.00011 J	mg/L
MW-358	Background	E005	04/17/2024	Molybdenum, total	0.00440 J+	mg/L
MW-358	Background	E005	04/17/2024	Oxidation Reduction Potential	-280	mV
MW-358	Background	E005	04/17/2024	pH (field)	7.7	SU
MW-358	Background	E005	04/17/2024	Radium 226 + Radium 228, total	1.4	pCi/L
MW-358	Background	E005	04/17/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-358	Background	E005	04/17/2024	Specific Conductance @ 25C (field)	2,510	micromhos/cm
MW-358	Background	E005	04/17/2024	Sulfate, total	19.0	mg/L
MW-358	Background	E005	04/17/2024	Temperature	16.2	degrees C
MW-358	Background	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-358	Background	E005	04/17/2024	Total Dissolved Solids	1,430	mg/L
MW-358	Background	E005	04/17/2024	Turbidity, field	23.0	NTU
MW-192	Compliance	E005	04/16/2024	Antimony, total	0.00320	mg/L
MW-192	Compliance	E005	04/16/2024	Arsenic, total	0.0005 J	mg/L
MW-192	Compliance	E005	04/16/2024	Barium, total	0.0883	mg/L
MW-192	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E005	04/16/2024	Boron, total	0.0296 J+	mg/L
MW-192	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E005	04/16/2024	Calcium, total	72.4	mg/L
MW-192	Compliance	E005	04/16/2024	Chloride, total	20.0	mg/L
MW-192	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-192	Compliance	E005	04/16/2024	Cobalt, total	0.0006 J	mg/L
MW-192	Compliance	E005	04/16/2024	Dissolved Oxygen	0.810	mg/L
MW-192	Compliance	E005	04/16/2024	Fluoride, total	0.450	mg/L
MW-192	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-192	Compliance	E005	04/16/2024	Lithium, total	0.00390	mg/L
MW-192	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E005	04/16/2024	Molybdenum, total	0.00180 J+	mg/L
MW-192	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-15.0	mV
MW-192	Compliance	E005	04/16/2024	pH (field)	7.0	SU
MW-192	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.0306	pCi/L
MW-192	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	572	micromhos/cm
MW-192	Compliance	E005	04/16/2024	Sulfate, total	14.0 J-	mg/L
MW-192	Compliance	E005	04/16/2024	Temperature	17.3	degrees C
MW-192	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E005	04/16/2024	Total Dissolved Solids	355	mg/L
MW-192	Compliance	E005	04/16/2024	Turbidity, field	5.10	NTU
MW-193	Compliance	E005	04/16/2024	Antimony, total	0.00100 J	mg/L
MW-193	Compliance	E005	04/16/2024	Arsenic, total	0.0005 J	mg/L
MW-193	Compliance	E005	04/16/2024	Barium, total	0.0771	mg/L
MW-193	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E005	04/16/2024	Boron, total	0.0584 J+	mg/L
MW-193	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E005	04/16/2024	Calcium, total	94.3	mg/L
MW-193	Compliance	E005	04/16/2024	Chloride, total	32.0	mg/L
MW-193	Compliance	E005	04/16/2024	Chromium, total	0.0015 UJ	mg/L
MW-193	Compliance	E005	04/16/2024	Cobalt, total	0.0005 J	mg/L
MW-193	Compliance	E005	04/16/2024	Dissolved Oxygen	2.09	mg/L
MW-193	Compliance	E005	04/16/2024	Fluoride, total	0.260	mg/L
MW-193	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E005	04/16/2024	Lithium, total	0.00500	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-193	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-193	Compliance	E005	04/16/2024	Oxidation Reduction Potential	30.0	mV
MW-193	Compliance	E005	04/16/2024	pH (field)	6.8	SU
MW-193	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.892	pCi/L
MW-193	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	706	micromhos/cm
MW-193	Compliance	E005	04/16/2024	Sulfate, total	158	mg/L
MW-193	Compliance	E005	04/16/2024	Temperature	17.8	degrees C
MW-193	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E005	04/16/2024	Total Dissolved Solids	545	mg/L
MW-193	Compliance	E005	04/16/2024	Turbidity, field	8.20	NTU
MW-356	Compliance	E005	04/16/2024	Antimony, total	0.0008 J	mg/L
MW-356	Compliance	E005	04/16/2024	Arsenic, total	0.0007 J	mg/L
MW-356	Compliance	E005	04/16/2024	Barium, total	0.0302	mg/L
MW-356	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E005	04/16/2024	Boron, total	1.87	mg/L
MW-356	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E005	04/16/2024	Calcium, total	15.0	mg/L
MW-356	Compliance	E005	04/16/2024	Chloride, total	34.0	mg/L
MW-356	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-356	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E005	04/16/2024	Dissolved Oxygen	0.790	mg/L
MW-356	Compliance	E005	04/16/2024	Fluoride, total	2.21	mg/L
MW-356	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E005	04/16/2024	Lithium, total	0.0521	mg/L
MW-356	Compliance	E005	04/16/2024	Mercury, total	0.00014 J	mg/L
MW-356	Compliance	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-356	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-72.0	mV
MW-356	Compliance	E005	04/16/2024	pH (field)	7.8	SU
MW-356	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.212	pCi/L
MW-356	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	923	micromhos/cm
MW-356	Compliance	E005	04/16/2024	Sulfate, total	45.0	mg/L
MW-356	Compliance	E005	04/16/2024	Temperature	16.2	degrees C
MW-356	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E005	04/16/2024	Total Dissolved Solids	700	mg/L
MW-356	Compliance	E005	04/16/2024	Turbidity, field	2.00	NTU
MW-369	Compliance	E005	04/16/2024	Antimony, total	0.001 UJ	mg/L
MW-369	Compliance	E005	04/16/2024	Arsenic, total	0.00120	mg/L
MW-369	Compliance	E005	04/16/2024	Barium, total	0.147	mg/L
MW-369	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E005	04/16/2024	Boron, total	0.397	mg/L
MW-369	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E005	04/16/2024	Calcium, total	115	mg/L
MW-369	Compliance	E005	04/16/2024	Chloride, total	80.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-369	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-369	Compliance	E005	04/16/2024	Cobalt, total	0.0005 J	mg/L
MW-369	Compliance	E005	04/16/2024	Dissolved Oxygen	0.680	mg/L
MW-369	Compliance	E005	04/16/2024	Fluoride, total	0.970	mg/L
MW-369	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E005	04/16/2024	Lithium, total	0.0192	mg/L
MW-369	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-369	Compliance	E005	04/16/2024	Molybdenum, total	0.00590 J+	mg/L
MW-369	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-47.0	mV
MW-369	Compliance	E005	04/16/2024	pH (field)	7.0	SU
MW-369	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.829	pCi/L
MW-369	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	991	micromhos/cm
MW-369	Compliance	E005	04/16/2024	Sulfate, total	123	mg/L
MW-369	Compliance	E005	04/16/2024	Temperature	16.3	degrees C
MW-369	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E005	04/16/2024	Total Dissolved Solids	870	mg/L
MW-369	Compliance	E005	04/16/2024	Turbidity, field	4.50	NTU
MW-370	Compliance	E005	04/16/2024	Antimony, total	0.0004 U	mg/L
MW-370	Compliance	E005	04/16/2024	Arsenic, total	0.0008 J	mg/L
MW-370	Compliance	E005	04/16/2024	Barium, total	0.0415	mg/L
MW-370	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E005	04/16/2024	Boron, total	1.76 J+	mg/L
MW-370	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E005	04/16/2024	Calcium, total	39.5	mg/L
MW-370	Compliance	E005	04/16/2024	Chloride, total	1,460	mg/L
MW-370	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-370	Compliance	E005	04/16/2024	Cobalt, total	0.0002 J	mg/L
MW-370	Compliance	E005	04/16/2024	Dissolved Oxygen	0.810	mg/L
MW-370	Compliance	E005	04/16/2024	Fluoride, total	3.33	mg/L
MW-370	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E005	04/16/2024	Lithium, total	0.170	mg/L
MW-370	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E005	04/16/2024	Molybdenum, total	0.00760	mg/L
MW-370	Compliance	E005	04/16/2024	Oxidation Reduction Potential	20.0	mV
MW-370	Compliance	E005	04/16/2024	pH (field)	7.6	SU
MW-370	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	1.02	pCi/L
MW-370	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	4,470	micromhos/cm
MW-370	Compliance	E005	04/16/2024	Sulfate, total	247	mg/L
MW-370	Compliance	E005	04/16/2024	Temperature	18.4	degrees C
MW-370	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E005	04/16/2024	Total Dissolved Solids	3,170	mg/L
MW-370	Compliance	E005	04/16/2024	Turbidity, field	2.00	NTU
MW-382	Compliance	E005	04/17/2024	Antimony, total	0.0005 J	mg/L
MW-382	Compliance	E005	04/17/2024	Arsenic, total	0.00100	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E005	04/17/2024	Barium, total	0.0177	mg/L
MW-382	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-382	Compliance	E005	04/17/2024	Boron, total	1.71	mg/L
MW-382	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E005	04/17/2024	Calcium, total	27.8	mg/L
MW-382	Compliance	E005	04/17/2024	Chloride, total	33.0	mg/L
MW-382	Compliance	E005	04/17/2024	Chromium, total	0.00610 J+	mg/L
MW-382	Compliance	E005	04/17/2024	Cobalt, total	0.0009 J	mg/L
MW-382	Compliance	E005	04/17/2024	Dissolved Oxygen	0.130	mg/L
MW-382	Compliance	E005	04/17/2024	Fluoride, total	3.04	mg/L
MW-382	Compliance	E005	04/17/2024	Lead, total	0.00180	mg/L
MW-382	Compliance	E005	04/17/2024	Lithium, total	0.0597	mg/L
MW-382	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E005	04/17/2024	Molybdenum, total	0.00240 J+	mg/L
MW-382	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-27.0	mV
MW-382	Compliance	E005	04/17/2024	pH (field)	7.7	SU
MW-382	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	2.18	pCi/L
MW-382	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,790	micromhos/cm
MW-382	Compliance	E005	04/17/2024	Sulfate, total	419	mg/L
MW-382	Compliance	E005	04/17/2024	Temperature	17.2	degrees C
MW-382	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E005	04/17/2024	Total Dissolved Solids	1,120	mg/L
MW-382	Compliance	E005	04/17/2024	Turbidity, field	150	NTU
MW-392	Compliance	E005	04/16/2024	Antimony, total	0.001 UJ	mg/L
MW-392	Compliance	E005	04/16/2024	Arsenic, total	0.0004 J	mg/L
MW-392	Compliance	E005	04/16/2024	Barium, total	0.0521	mg/L
MW-392	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E005	04/16/2024	Boron, total	1.86	mg/L
MW-392	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E005	04/16/2024	Calcium, total	25.0	mg/L
MW-392	Compliance	E005	04/16/2024	Chloride, total	868	mg/L
MW-392	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-392	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-392	Compliance	E005	04/16/2024	Dissolved Oxygen	0.900	mg/L
MW-392	Compliance	E005	04/16/2024	Fluoride, total	4.42	mg/L
MW-392	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E005	04/16/2024	Lithium, total	0.0746	mg/L
MW-392	Compliance	E005	04/16/2024	Mercury, total	0.00006 J	mg/L
MW-392	Compliance	E005	04/16/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-392	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-118	mV
MW-392	Compliance	E005	04/16/2024	pH (field)	7.7	SU
MW-392	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.991	pCi/L
MW-392	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	2,690	micromhos/cm
MW-392	Compliance	E005	04/16/2024	Sulfate, total	42.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-392	Compliance	E005	04/16/2024	Temperature	17.5	degrees C
MW-392	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E005	04/16/2024	Total Dissolved Solids	1,860	mg/L
MW-392	Compliance	E005	04/16/2024	Turbidity, field	7.80	NTU
MW-393	Compliance	E005	04/16/2024	Antimony, total	0.0004 U	mg/L
MW-393	Compliance	E005	04/16/2024	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E005	04/16/2024	Barium, total	0.0416	mg/L
MW-393	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E005	04/16/2024	Boron, total	1.83	mg/L
MW-393	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E005	04/16/2024	Calcium, total	7.05	mg/L
MW-393	Compliance	E005	04/16/2024	Chloride, total	779	mg/L
MW-393	Compliance	E005	04/16/2024	Chromium, total	0.0015 UJ	mg/L
MW-393	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E005	04/16/2024	Dissolved Oxygen	0.700	mg/L
MW-393	Compliance	E005	04/16/2024	Fluoride, total	9.22	mg/L
MW-393	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Lithium, total	0.0714	mg/L
MW-393	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Molybdenum, total	0.0006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-166	mV
MW-393	Compliance	E005	04/16/2024	pH (field)	8.2	SU
MW-393	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.25	pCi/L
MW-393	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	3,230	micromhos/cm
MW-393	Compliance	E005	04/16/2024	Sulfate, total	217	mg/L
MW-393	Compliance	E005	04/16/2024	Temperature	17.1	degrees C
MW-393	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E005	04/16/2024	Total Dissolved Solids	2,470	mg/L
MW-393	Compliance	E005	04/16/2024	Turbidity, field	7.60	NTU
MW-394	Compliance	E005	04/16/2024	Antimony, total	0.001 UJ	mg/L
MW-394	Compliance	E005	04/16/2024	Arsenic, total	0.0005 J	mg/L
MW-394	Compliance	E005	04/16/2024	Barium, total	0.0291	mg/L
MW-394	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E005	04/16/2024	Boron, total	1.80	mg/L
MW-394	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E005	04/16/2024	Calcium, total	8.29	mg/L
MW-394	Compliance	E005	04/16/2024	Chloride, total	812	mg/L
MW-394	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-394	Compliance	E005	04/16/2024	Cobalt, total	0.0001 U	mg/L
MW-394	Compliance	E005	04/16/2024	Dissolved Oxygen	0.720	mg/L
MW-394	Compliance	E005	04/16/2024	Fluoride, total	4.92	mg/L
MW-394	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E005	04/16/2024	Lithium, total	0.0656	mg/L
MW-394	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E005	04/16/2024	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-394	Compliance	E005	04/16/2024	Oxidation Reduction Potential	-268	mV
MW-394	Compliance	E005	04/16/2024	pH (field)	7.9	SU
MW-394	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.706	pCi/L
MW-394	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	3,240	micromhos/cm
MW-394	Compliance	E005	04/16/2024	Sulfate, total	82.0	mg/L
MW-394	Compliance	E005	04/16/2024	Temperature	16.9	degrees C
MW-394	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E005	04/16/2024	Total Dissolved Solids	2,320	mg/L
MW-394	Compliance	E005	04/16/2024	Turbidity, field	2.80	NTU
OW-256	Compliance	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
OW-256	Compliance	E005	04/17/2024	Arsenic, total	0.0007 J	mg/L
OW-256	Compliance	E005	04/17/2024	Barium, total	0.0886	mg/L
OW-256	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
OW-256	Compliance	E005	04/17/2024	Boron, total	0.156 J+	mg/L
OW-256	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
OW-256	Compliance	E005	04/17/2024	Calcium, total	83.0	mg/L
OW-256	Compliance	E005	04/17/2024	Chloride, total	57.0	mg/L
OW-256	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
OW-256	Compliance	E005	04/17/2024	Cobalt, total	0.0002 J	mg/L
OW-256	Compliance	E005	04/17/2024	Dissolved Oxygen	1.04	mg/L
OW-256	Compliance	E005	04/17/2024	Fluoride, total	0.260	mg/L
OW-256	Compliance	E005	04/17/2024	Lead, total	0.0006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Lithium, total	0.00910	mg/L
OW-256	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Molybdenum, total	0.0006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Oxidation Reduction Potential	74.0	mV
OW-256	Compliance	E005	04/17/2024	pH (field)	6.9	SU
OW-256	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.674	pCi/L
OW-256	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	632	micromhos/cm
OW-256	Compliance	E005	04/17/2024	Sulfate, total	73.0	mg/L
OW-256	Compliance	E005	04/17/2024	Temperature	22.0	degrees C
OW-256	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E005	04/17/2024	Total Dissolved Solids	500	mg/L
OW-256	Compliance	E005	04/17/2024	Turbidity, field	11.0	NTU
OW-257	Compliance	E005	04/17/2024	Antimony, total	0.00100	mg/L
OW-257	Compliance	E005	04/17/2024	Arsenic, total	0.00160	mg/L
OW-257	Compliance	E005	04/17/2024	Barium, total	0.113	mg/L
OW-257	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E005	04/17/2024	Boron, total	0.483	mg/L
OW-257	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E005	04/17/2024	Calcium, total	119	mg/L
OW-257	Compliance	E005	04/17/2024	Chloride, total	7.00	mg/L
OW-257	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
OW-257	Compliance	E005	04/17/2024	Cobalt, total	0.0006 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-257	Compliance	E005	04/17/2024	Dissolved Oxygen	2.06	mg/L
OW-257	Compliance	E005	04/17/2024	Fluoride, total	0.400	mg/L
OW-257	Compliance	E005	04/17/2024	Lead, total	0.0006 J	mg/L
OW-257	Compliance	E005	04/17/2024	Lithium, total	0.0299	mg/L
OW-257	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E005	04/17/2024	Molybdenum, total	0.00260 J+	mg/L
OW-257	Compliance	E005	04/17/2024	Oxidation Reduction Potential	61.0	mV
OW-257	Compliance	E005	04/17/2024	pH (field)	7.2	SU
OW-257	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	1.13	pCi/L
OW-257	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	858	micromhos/cm
OW-257	Compliance	E005	04/17/2024	Sulfate, total	111	mg/L
OW-257	Compliance	E005	04/17/2024	Temperature	22.8	degrees C
OW-257	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E005	04/17/2024	Total Dissolved Solids	682	mg/L
OW-257	Compliance	E005	04/17/2024	Turbidity, field	19.0	NTU
PZ-170	Compliance	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Arsenic, total	0.00190	mg/L
PZ-170	Compliance	E005	04/17/2024	Barium, total	0.0866	mg/L
PZ-170	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Boron, total	0.296	mg/L
PZ-170	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Calcium, total	218	mg/L
PZ-170	Compliance	E005	04/17/2024	Chloride, total	75.0	mg/L
PZ-170	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
PZ-170	Compliance	E005	04/17/2024	Cobalt, total	0.00260	mg/L
PZ-170	Compliance	E005	04/17/2024	Dissolved Oxygen	0.700	mg/L
PZ-170	Compliance	E005	04/17/2024	Fluoride, total	0.210	mg/L
PZ-170	Compliance	E005	04/17/2024	Lead, total	0.00200	mg/L
PZ-170	Compliance	E005	04/17/2024	Lithium, total	0.0349	mg/L
PZ-170	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Molybdenum, total	0.0006 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-174	mV
PZ-170	Compliance	E005	04/17/2024	pH (field)	6.6	SU
PZ-170	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.32	pCi/L
PZ-170	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,870	micromhos/cm
PZ-170	Compliance	E005	04/17/2024	Sulfate, total	236	mg/L
PZ-170	Compliance	E005	04/17/2024	Temperature	16.4	degrees C
PZ-170	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E005	04/17/2024	Total Dissolved Solids	1,140	mg/L
PZ-170	Compliance	E005	04/17/2024	Turbidity, field	4.00	NTU
PZ-182	Compliance	E005	04/17/2024	Antimony, total	0.0005 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Arsenic, total	0.0005 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Barium, total	0.0672	mg/L
PZ-182	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E005	04/17/2024	Boron, total	0.499	mg/L
PZ-182	Compliance	E005	04/17/2024	Cadmium, total	0.0004 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Calcium, total	154	mg/L
PZ-182	Compliance	E005	04/17/2024	Chloride, total	37.0	mg/L
PZ-182	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
PZ-182	Compliance	E005	04/17/2024	Cobalt, total	0.0004 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Dissolved Oxygen	1.06	mg/L
PZ-182	Compliance	E005	04/17/2024	Fluoride, total	0.180	mg/L
PZ-182	Compliance	E005	04/17/2024	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Lithium, total	0.0149	mg/L
PZ-182	Compliance	E005	04/17/2024	Mercury, total	0.00018 J	mg/L
PZ-182	Compliance	E005	04/17/2024	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-141	mV
PZ-182	Compliance	E005	04/17/2024	pH (field)	6.7	SU
PZ-182	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	1.09	pCi/L
PZ-182	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,170	micromhos/cm
PZ-182	Compliance	E005	04/17/2024	Sulfate, total	150	mg/L
PZ-182	Compliance	E005	04/17/2024	Temperature	18.1	degrees C
PZ-182	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
PZ-182	Compliance	E005	04/17/2024	Total Dissolved Solids	734	mg/L
PZ-182	Compliance	E005	04/17/2024	Turbidity, field	13.0	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- = The result is an estimated quantity, but the result may be biased low.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
MW-304	Background	E006	07/17/2024	Arsenic, total	0.00250 J	mg/L
MW-304	Background	E006	07/17/2024	Barium, total	0.0175	mg/L
MW-304	Background	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E006	07/17/2024	Boron, total	1.47 J	mg/L
MW-304	Background	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E006	07/17/2024	Calcium, total	9.99	mg/L
MW-304	Background	E006	07/17/2024	Chloride, total	169	mg/L
MW-304	Background	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
MW-304	Background	E006	07/17/2024	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E006	07/17/2024	Dissolved Oxygen	0.390	mg/L
MW-304	Background	E006	07/17/2024	Fluoride, total	1.69	mg/L
MW-304	Background	E006	07/17/2024	Lead, total	0.0006 U	mg/L
MW-304	Background	E006	07/17/2024	Lithium, total	0.0750	mg/L
MW-304	Background	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-304	Background	E006	07/17/2024	Molybdenum, total	0.0007 J	mg/L
MW-304	Background	E006	07/17/2024	Oxidation Reduction Potential	-22.0	mV
MW-304	Background	E006	07/17/2024	pH (field)	7.7	SU
MW-304	Background	E006	07/17/2024	Radium 226 + Radium 228, total	0.499	pCi/L
MW-304	Background	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-304	Background	E006	07/17/2024	Specific Conductance @ 25C (field)	2,240	micromhos/cm
MW-304	Background	E006	07/17/2024	Sulfate, total	201	mg/L
MW-304	Background	E006	07/17/2024	Temperature	18.6	degrees C
MW-304	Background	E006	07/17/2024	Thallium, total	0.001 U	mg/L
MW-304	Background	E006	07/17/2024	Total Dissolved Solids	1,520	mg/L
MW-304	Background	E006	07/17/2024	Turbidity, field	14.0	NTU
MW-358	Background	E006	07/18/2024	Antimony, total	0.00110	mg/L
MW-358	Background	E006	07/18/2024	Arsenic, total	0.00110	mg/L
MW-358	Background	E006	07/18/2024	Barium, total	0.111	mg/L
MW-358	Background	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E006	07/18/2024	Boron, total	0.142	mg/L
MW-358	Background	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E006	07/18/2024	Calcium, total	70.6	mg/L
MW-358	Background	E006	07/18/2024	Chloride, total	101	mg/L
MW-358	Background	E006	07/18/2024	Chromium, total	0.00210	mg/L
MW-358	Background	E006	07/18/2024	Cobalt, total	0.001 UJ	mg/L
MW-358	Background	E006	07/18/2024	Dissolved Oxygen	0 U	mg/L
MW-358	Background	E006	07/18/2024	Fluoride, total	0.750	mg/L
MW-358	Background	E006	07/18/2024	Lead, total	0.0006 J	mg/L
MW-358	Background	E006	07/18/2024	Lithium, total	0.0379	mg/L
MW-358	Background	E006	07/18/2024	Mercury, total	0.00008 J	mg/L
MW-358	Background	E006	07/18/2024	Molybdenum, total	0.00370	mg/L
MW-358	Background	E006	07/18/2024	Oxidation Reduction Potential	-224	mV
MW-358	Background	E006	07/18/2024	pH (field)	7.6	SU
MW-358	Background	E006	07/18/2024	Radium 226 + Radium 228, total	0.329	pCi/L
MW-358	Background	E006	07/18/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-358	Background	E006	07/18/2024	Specific Conductance @ 25C (field)	1,120	micromhos/cm
MW-358	Background	E006	07/18/2024	Sulfate, total	88.0	mg/L
MW-358	Background	E006	07/18/2024	Temperature	17.8	degrees C
MW-358	Background	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-358	Background	E006	07/18/2024	Total Dissolved Solids	640	mg/L
MW-358	Background	E006	07/18/2024	Turbidity, field	790	NTU
MW-192	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
MW-192	Compliance	E006	07/17/2024	Arsenic, total	0.0005 J	mg/L
MW-192	Compliance	E006	07/17/2024	Barium, total	0.0833	mg/L
MW-192	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E006	07/17/2024	Boron, total	0.0250 J	mg/L
MW-192	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E006	07/17/2024	Calcium, total	62.2	mg/L
MW-192	Compliance	E006	07/17/2024	Chloride, total	20.0	mg/L
MW-192	Compliance	E006	07/17/2024	Chromium, total	0.0011 J	mg/L
MW-192	Compliance	E006	07/17/2024	Cobalt, total	0.001 UJ	mg/L
MW-192	Compliance	E006	07/17/2024	Dissolved Oxygen	0.160	mg/L
MW-192	Compliance	E006	07/17/2024	Fluoride, total	0.450	mg/L
MW-192	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
MW-192	Compliance	E006	07/17/2024	Lithium, total	0.00370	mg/L
MW-192	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E006	07/17/2024	Molybdenum, total	0.0013 J	mg/L
MW-192	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-110	mV
MW-192	Compliance	E006	07/17/2024	pH (field)	6.8	SU
MW-192	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.465	pCi/L
MW-192	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	702	micromhos/cm
MW-192	Compliance	E006	07/17/2024	Sulfate, total	18.0 J-	mg/L
MW-192	Compliance	E006	07/17/2024	Temperature	18.9	degrees C
MW-192	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E006	07/17/2024	Total Dissolved Solids	430	mg/L
MW-192	Compliance	E006	07/17/2024	Turbidity, field	110	NTU
MW-193	Compliance	E006	07/17/2024	Antimony, total	0.001 UJ	mg/L
MW-193	Compliance	E006	07/17/2024	Arsenic, total	0.0008 J	mg/L
MW-193	Compliance	E006	07/17/2024	Barium, total	0.0681	mg/L
MW-193	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E006	07/17/2024	Boron, total	0.0398	mg/L
MW-193	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E006	07/17/2024	Calcium, total	74.6	mg/L
MW-193	Compliance	E006	07/17/2024	Chloride, total	32.0	mg/L
MW-193	Compliance	E006	07/17/2024	Chromium, total	0.0013 J	mg/L
MW-193	Compliance	E006	07/17/2024	Cobalt, total	0.001 UJ	mg/L
MW-193	Compliance	E006	07/17/2024	Dissolved Oxygen	0.450	mg/L
MW-193	Compliance	E006	07/17/2024	Fluoride, total	0.240	mg/L
MW-193	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E006	07/17/2024	Lithium, total	0.00430	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-193	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E006	07/17/2024	Molybdenum, total	0.0008 J	mg/L
MW-193	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-39.0	mV
MW-193	Compliance	E006	07/17/2024	pH (field)	7.0	SU
MW-193	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.684	pCi/L
MW-193	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	940	micromhos/cm
MW-193	Compliance	E006	07/17/2024	Sulfate, total	175	mg/L
MW-193	Compliance	E006	07/17/2024	Temperature	18.8	degrees C
MW-193	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E006	07/17/2024	Total Dissolved Solids	596	mg/L
MW-193	Compliance	E006	07/17/2024	Turbidity, field	17.0	NTU
MW-356	Compliance	E006	07/18/2024	Antimony, total	0.0005 J	mg/L
MW-356	Compliance	E006	07/18/2024	Arsenic, total	0.0004 U	mg/L
MW-356	Compliance	E006	07/18/2024	Barium, total	0.0300	mg/L
MW-356	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E006	07/18/2024	Boron, total	1.90	mg/L
MW-356	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E006	07/18/2024	Calcium, total	12.4	mg/L
MW-356	Compliance	E006	07/18/2024	Chloride, total	31.0	mg/L
MW-356	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-356	Compliance	E006	07/18/2024	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E006	07/18/2024	Dissolved Oxygen	1.90	mg/L
MW-356	Compliance	E006	07/18/2024	Fluoride, total	2.00	mg/L
MW-356	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E006	07/18/2024	Lithium, total	0.0557	mg/L
MW-356	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-356	Compliance	E006	07/18/2024	Molybdenum, total	0.0014 J	mg/L
MW-356	Compliance	E006	07/18/2024	Oxidation Reduction Potential	46.0	mV
MW-356	Compliance	E006	07/18/2024	pH (field)	7.9	SU
MW-356	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.691	pCi/L
MW-356	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,040	micromhos/cm
MW-356	Compliance	E006	07/18/2024	Sulfate, total	46.0	mg/L
MW-356	Compliance	E006	07/18/2024	Temperature	17.4	degrees C
MW-356	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E006	07/18/2024	Total Dissolved Solids	716	mg/L
MW-356	Compliance	E006	07/18/2024	Turbidity, field	18.0	NTU
MW-369	Compliance	E006	07/18/2024	Antimony, total	0.0005 J	mg/L
MW-369	Compliance	E006	07/18/2024	Arsenic, total	0.00110	mg/L
MW-369	Compliance	E006	07/18/2024	Barium, total	0.124	mg/L
MW-369	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E006	07/18/2024	Boron, total	0.237	mg/L
MW-369	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E006	07/18/2024	Calcium, total	132	mg/L
MW-369	Compliance	E006	07/18/2024	Chloride, total	70.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-369	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-369	Compliance	E006	07/18/2024	Cobalt, total	0.00130 J+	mg/L
MW-369	Compliance	E006	07/18/2024	Dissolved Oxygen	0.160	mg/L
MW-369	Compliance	E006	07/18/2024	Fluoride, total	0.690	mg/L
MW-369	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E006	07/18/2024	Lithium, total	0.0140	mg/L
MW-369	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-369	Compliance	E006	07/18/2024	Molybdenum, total	0.00260	mg/L
MW-369	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-239	mV
MW-369	Compliance	E006	07/18/2024	pH (field)	7.6	SU
MW-369	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	1.14	pCi/L
MW-369	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,590	micromhos/cm
MW-369	Compliance	E006	07/18/2024	Sulfate, total	113	mg/L
MW-369	Compliance	E006	07/18/2024	Temperature	16.8	degrees C
MW-369	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E006	07/18/2024	Total Dissolved Solids	794	mg/L
MW-369	Compliance	E006	07/18/2024	Turbidity, field	49.0	NTU
MW-370	Compliance	E006	07/18/2024	Antimony, total	0.0004 U	mg/L
MW-370	Compliance	E006	07/18/2024	Arsenic, total	0.0007 J	mg/L
MW-370	Compliance	E006	07/18/2024	Barium, total	0.0318	mg/L
MW-370	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E006	07/18/2024	Boron, total	1.83	mg/L
MW-370	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E006	07/18/2024	Calcium, total	42.8	mg/L
MW-370	Compliance	E006	07/18/2024	Chloride, total	1,320	mg/L
MW-370	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-370	Compliance	E006	07/18/2024	Cobalt, total	0.0001 U	mg/L
MW-370	Compliance	E006	07/18/2024	Dissolved Oxygen	0.270	mg/L
MW-370	Compliance	E006	07/18/2024	Fluoride, total	3.13	mg/L
MW-370	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E006	07/18/2024	Lithium, total	0.140	mg/L
MW-370	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E006	07/18/2024	Molybdenum, total	0.00630	mg/L
MW-370	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-49.0	mV
MW-370	Compliance	E006	07/18/2024	pH (field)	7.5	SU
MW-370	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.757	pCi/L
MW-370	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	5,440	micromhos/cm
MW-370	Compliance	E006	07/18/2024	Sulfate, total	254	mg/L
MW-370	Compliance	E006	07/18/2024	Temperature	16.9	degrees C
MW-370	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E006	07/18/2024	Total Dissolved Solids	2,990	mg/L
MW-370	Compliance	E006	07/18/2024	Turbidity, field	6.80	NTU
MW-382	Compliance	E006	07/18/2024	Antimony, total	0.0004 U	mg/L
MW-382	Compliance	E006	07/18/2024	Arsenic, total	0.00140	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E006	07/18/2024	Barium, total	0.0254	mg/L
MW-382	Compliance	E006	07/18/2024	Beryllium, total	0.001 UJ	mg/L
MW-382	Compliance	E006	07/18/2024	Boron, total	1.66	mg/L
MW-382	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E006	07/18/2024	Calcium, total	26.7	mg/L
MW-382	Compliance	E006	07/18/2024	Chloride, total	37.0	mg/L
MW-382	Compliance	E006	07/18/2024	Chromium, total	0.0131	mg/L
MW-382	Compliance	E006	07/18/2024	Cobalt, total	0.00270 J+	mg/L
MW-382	Compliance	E006	07/18/2024	Dissolved Oxygen	0.220	mg/L
MW-382	Compliance	E006	07/18/2024	Fluoride, total	3.18	mg/L
MW-382	Compliance	E006	07/18/2024	Lead, total	0.00260	mg/L
MW-382	Compliance	E006	07/18/2024	Lithium, total	0.0616	mg/L
MW-382	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E006	07/18/2024	Molybdenum, total	0.00230	mg/L
MW-382	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-45.0	mV
MW-382	Compliance	E006	07/18/2024	pH (field)	7.6	SU
MW-382	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	1.83	pCi/L
MW-382	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,670	micromhos/cm
MW-382	Compliance	E006	07/18/2024	Sulfate, total	422	mg/L
MW-382	Compliance	E006	07/18/2024	Temperature	17.0	degrees C
MW-382	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E006	07/18/2024	Total Dissolved Solids	1,240	mg/L
MW-382	Compliance	E006	07/18/2024	Turbidity, field	120	NTU
MW-392	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
MW-392	Compliance	E006	07/17/2024	Arsenic, total	0.0004 U	mg/L
MW-392	Compliance	E006	07/17/2024	Barium, total	0.0365	mg/L
MW-392	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E006	07/17/2024	Boron, total	1.84	mg/L
MW-392	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E006	07/17/2024	Calcium, total	23.3	mg/L
MW-392	Compliance	E006	07/17/2024	Chloride, total	875	mg/L
MW-392	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
MW-392	Compliance	E006	07/17/2024	Cobalt, total	0.0001 U	mg/L
MW-392	Compliance	E006	07/17/2024	Dissolved Oxygen	0.490	mg/L
MW-392	Compliance	E006	07/17/2024	Fluoride, total	4.19	mg/L
MW-392	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E006	07/17/2024	Lithium, total	0.0779	mg/L
MW-392	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-392	Compliance	E006	07/17/2024	Molybdenum, total	0.0006 U	mg/L
MW-392	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-151	mV
MW-392	Compliance	E006	07/17/2024	pH (field)	7.7	SU
MW-392	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.35	pCi/L
MW-392	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	3,310	micromhos/cm
MW-392	Compliance	E006	07/17/2024	Sulfate, total	60.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
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BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-392	Compliance	E006	07/17/2024	Temperature	19.7	degrees C
MW-392	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E006	07/17/2024	Total Dissolved Solids	1,940	mg/L
MW-392	Compliance	E006	07/17/2024	Turbidity, field	38.0	NTU
MW-393	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
MW-393	Compliance	E006	07/17/2024	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E006	07/17/2024	Barium, total	0.0348	mg/L
MW-393	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E006	07/17/2024	Boron, total	1.74	mg/L
MW-393	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E006	07/17/2024	Calcium, total	5.61	mg/L
MW-393	Compliance	E006	07/17/2024	Chloride, total	775	mg/L
MW-393	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
MW-393	Compliance	E006	07/17/2024	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E006	07/17/2024	Dissolved Oxygen	0.110	mg/L
MW-393	Compliance	E006	07/17/2024	Fluoride, total	9.93	mg/L
MW-393	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E006	07/17/2024	Lithium, total	0.0767	mg/L
MW-393	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E006	07/17/2024	Molybdenum, total	0.0006 U	mg/L
MW-393	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-141	mV
MW-393	Compliance	E006	07/17/2024	pH (field)	8.4	SU
MW-393	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.272	pCi/L
MW-393	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	4,310	micromhos/cm
MW-393	Compliance	E006	07/17/2024	Sulfate, total	226	mg/L
MW-393	Compliance	E006	07/17/2024	Temperature	19.3	degrees C
MW-393	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E006	07/17/2024	Total Dissolved Solids	2,560	mg/L
MW-393	Compliance	E006	07/17/2024	Turbidity, field	17.0	NTU
MW-394	Compliance	E006	07/17/2024	Antimony, total	0.001 UJ	mg/L
MW-394	Compliance	E006	07/17/2024	Arsenic, total	0.0004 U	mg/L
MW-394	Compliance	E006	07/17/2024	Barium, total	0.0188	mg/L
MW-394	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E006	07/17/2024	Boron, total	1.75	mg/L
MW-394	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E006	07/17/2024	Calcium, total	7.23	mg/L
MW-394	Compliance	E006	07/17/2024	Chloride, total	784	mg/L
MW-394	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
MW-394	Compliance	E006	07/17/2024	Cobalt, total	0.0001 U	mg/L
MW-394	Compliance	E006	07/17/2024	Dissolved Oxygen	0.0400	mg/L
MW-394	Compliance	E006	07/17/2024	Fluoride, total	5.00	mg/L
MW-394	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E006	07/17/2024	Lithium, total	0.0662	mg/L
MW-394	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E006	07/17/2024	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
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BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-394	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-279	mV
MW-394	Compliance	E006	07/17/2024	pH (field)	8.3	SU
MW-394	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.0243	pCi/L
MW-394	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	4,280	micromhos/cm
MW-394	Compliance	E006	07/17/2024	Sulfate, total	111	mg/L
MW-394	Compliance	E006	07/17/2024	Temperature	18.9	degrees C
MW-394	Compliance	E006	07/17/2024	Thallium, total	0.0013 J	mg/L
MW-394	Compliance	E006	07/17/2024	Total Dissolved Solids	2,380	mg/L
MW-394	Compliance	E006	07/17/2024	Turbidity, field	9.90	NTU
OW-256	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
OW-256	Compliance	E006	07/17/2024	Arsenic, total	0.00130	mg/L
OW-256	Compliance	E006	07/17/2024	Barium, total	0.0818	mg/L
OW-256	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
OW-256	Compliance	E006	07/17/2024	Boron, total	0.192	mg/L
OW-256	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
OW-256	Compliance	E006	07/17/2024	Calcium, total	79.5	mg/L
OW-256	Compliance	E006	07/17/2024	Chloride, total	59.0	mg/L
OW-256	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
OW-256	Compliance	E006	07/17/2024	Cobalt, total	0.001 UJ	mg/L
OW-256	Compliance	E006	07/17/2024	Dissolved Oxygen	1.36	mg/L
OW-256	Compliance	E006	07/17/2024	Fluoride, total	0.290	mg/L
OW-256	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
OW-256	Compliance	E006	07/17/2024	Lithium, total	0.00780	mg/L
OW-256	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E006	07/17/2024	Molybdenum, total	0.001 J	mg/L
OW-256	Compliance	E006	07/17/2024	Oxidation Reduction Potential	24.0	mV
OW-256	Compliance	E006	07/17/2024	pH (field)	7.0	SU
OW-256	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.328	pCi/L
OW-256	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	825	micromhos/cm
OW-256	Compliance	E006	07/17/2024	Sulfate, total	74.0	mg/L
OW-256	Compliance	E006	07/17/2024	Temperature	18.6	degrees C
OW-256	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E006	07/17/2024	Total Dissolved Solids	504	mg/L
OW-256	Compliance	E006	07/17/2024	Turbidity, field	2.60	NTU
OW-257	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
OW-257	Compliance	E006	07/17/2024	Arsenic, total	0.00260	mg/L
OW-257	Compliance	E006	07/17/2024	Barium, total	0.0988	mg/L
OW-257	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E006	07/17/2024	Boron, total	0.509	mg/L
OW-257	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E006	07/17/2024	Calcium, total	103	mg/L
OW-257	Compliance	E006	07/17/2024	Chloride, total	8.00	mg/L
OW-257	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
OW-257	Compliance	E006	07/17/2024	Cobalt, total	0.00360 J+	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-257	Compliance	E006	07/17/2024	Dissolved Oxygen	4.30	mg/L
OW-257	Compliance	E006	07/17/2024	Fluoride, total	0.420	mg/L
OW-257	Compliance	E006	07/17/2024	Lead, total	0.0008 J	mg/L
OW-257	Compliance	E006	07/17/2024	Lithium, total	0.0319	mg/L
OW-257	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E006	07/17/2024	Molybdenum, total	0.00280	mg/L
OW-257	Compliance	E006	07/17/2024	Oxidation Reduction Potential	113	mV
OW-257	Compliance	E006	07/17/2024	pH (field)	6.9	SU
OW-257	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.969	pCi/L
OW-257	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	1,100	micromhos/cm
OW-257	Compliance	E006	07/17/2024	Sulfate, total	115	mg/L
OW-257	Compliance	E006	07/17/2024	Temperature	18.6	degrees C
OW-257	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E006	07/17/2024	Total Dissolved Solids	744	mg/L
OW-257	Compliance	E006	07/17/2024	Turbidity, field	2.90	NTU
PZ-170	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Arsenic, total	0.00110	mg/L
PZ-170	Compliance	E006	07/17/2024	Barium, total	0.0825	mg/L
PZ-170	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Boron, total	0.255	mg/L
PZ-170	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Calcium, total	202	mg/L
PZ-170	Compliance	E006	07/17/2024	Chloride, total	82.0	mg/L
PZ-170	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Cobalt, total	0.00310 J+	mg/L
PZ-170	Compliance	E006	07/17/2024	Dissolved Oxygen	0.970	mg/L
PZ-170	Compliance	E006	07/17/2024	Fluoride, total	0.220	mg/L
PZ-170	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Lithium, total	0.0306	mg/L
PZ-170	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Molybdenum, total	0.0006 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-122	mV
PZ-170	Compliance	E006	07/17/2024	pH (field)	6.7	SU
PZ-170	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.223	pCi/L
PZ-170	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	1,630	micromhos/cm
PZ-170	Compliance	E006	07/17/2024	Sulfate, total	299	mg/L
PZ-170	Compliance	E006	07/17/2024	Temperature	18.3	degrees C
PZ-170	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E006	07/17/2024	Total Dissolved Solids	1,240	mg/L
PZ-170	Compliance	E006	07/17/2024	Turbidity, field	1.70	NTU
PZ-182	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
PZ-182	Compliance	E006	07/17/2024	Arsenic, total	0.0004 U	mg/L
PZ-182	Compliance	E006	07/17/2024	Barium, total	0.0555	mg/L
PZ-182	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E006	07/17/2024	Boron, total	0.396	mg/L
PZ-182	Compliance	E006	07/17/2024	Cadmium, total	0.0006 J	mg/L
PZ-182	Compliance	E006	07/17/2024	Calcium, total	129	mg/L
PZ-182	Compliance	E006	07/17/2024	Chloride, total	18.0	mg/L
PZ-182	Compliance	E006	07/17/2024	Chromium, total	0.0009 J	mg/L
PZ-182	Compliance	E006	07/17/2024	Cobalt, total	0.001 UJ	mg/L
PZ-182	Compliance	E006	07/17/2024	Dissolved Oxygen	3.16	mg/L
PZ-182	Compliance	E006	07/17/2024	Fluoride, total	0.240	mg/L
PZ-182	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E006	07/17/2024	Lithium, total	0.0152	mg/L
PZ-182	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
PZ-182	Compliance	E006	07/17/2024	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-49.0	mV
PZ-182	Compliance	E006	07/17/2024	pH (field)	6.8	SU
PZ-182	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	1.01	pCi/L
PZ-182	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	777	micromhos/cm
PZ-182	Compliance	E006	07/17/2024	Sulfate, total	141	mg/L
PZ-182	Compliance	E006	07/17/2024	Temperature	28.2	degrees C
PZ-182	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
PZ-182	Compliance	E006	07/17/2024	Total Dissolved Solids	578	mg/L
PZ-182	Compliance	E006	07/17/2024	Turbidity, field	17.0	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
Missing Code (if applicable):
NR[1] = Select parameters were not analyzed.
NS[1] = This well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
NS[3] = A sample was not collected because the location was inaccessible.
NS[4] = The location could not be found, therefore a sample was not collected.
NS[5] = A sample was not collected because of damage to the well.
NS[6] = A sample was not collected because of pump issues.
NS[7] = A sample was not collected because the well was either dry or was purged dry and did not recover.
PM[1] = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- = The result is an estimated quantity, but the result may be biased low.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E007	10/16/2024	Antimony, total	0.0008 J	mg/L
MW-304	Background	E007	10/16/2024	Arsenic, total	0.00280	mg/L
MW-304	Background	E007	10/16/2024	Barium, total	0.0192	mg/L
MW-304	Background	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E007	10/16/2024	Boron, total	1.90	mg/L
MW-304	Background	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E007	10/16/2024	Calcium, total	11.0	mg/L
MW-304	Background	E007	10/16/2024	Chloride, total	169	mg/L
MW-304	Background	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-304	Background	E007	10/16/2024	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E007	10/16/2024	Dissolved Oxygen	1.24	mg/L
MW-304	Background	E007	10/16/2024	Fluoride, total	1.82	mg/L
MW-304	Background	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-304	Background	E007	10/16/2024	Lithium, total	0.0833	mg/L
MW-304	Background	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-304	Background	E007	10/16/2024	Molybdenum, total	0.00170	mg/L
MW-304	Background	E007	10/16/2024	Oxidation Reduction Potential	-32.0	mV
MW-304	Background	E007	10/16/2024	pH (field)	7.5	SU
MW-304	Background	E007	10/16/2024	Radium 226 + Radium 228, total	0.518	pCi/L
MW-304	Background	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-304	Background	E007	10/16/2024	Specific Conductance @ 25C (field)	2,540	micromhos/cm
MW-304	Background	E007	10/16/2024	Sulfate, total	190	mg/L
MW-304	Background	E007	10/16/2024	Temperature	15.3	degrees C
MW-304	Background	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-304	Background	E007	10/16/2024	Total Dissolved Solids	1,500	mg/L
MW-304	Background	E007	10/16/2024	Turbidity, field	6.30	NTU
MW-358R	Background	E007	11/01/2024	Antimony, total	0.00330	mg/L
MW-358R	Background	E007	11/01/2024	Arsenic, total	0.00370	mg/L
MW-358R	Background	E007	11/01/2024	Barium, total	0.167	mg/L
MW-358R	Background	E007	11/01/2024	Beryllium, total	0.0005 J	mg/L
MW-358R	Background	E007	11/01/2024	Boron, total	0.945	mg/L
MW-358R	Background	E007	11/01/2024	Cadmium, total	0.0002 J	mg/L
MW-358R	Background	E007	11/01/2024	Calcium, total	48.6	mg/L
MW-358R	Background	E007	11/01/2024	Chloride, total	1,040	mg/L
MW-358R	Background	E007	11/01/2024	Chromium, total	0.0267	mg/L
MW-358R	Background	E007	11/01/2024	Cobalt, total	0.00380	mg/L
MW-358R	Background	E007	11/01/2024	Dissolved Oxygen	2.65	mg/L
MW-358R	Background	E007	11/01/2024	Fluoride, total	1.20	mg/L
MW-358R	Background	E007	11/01/2024	Lead, total	0.00190	mg/L
MW-358R	Background	E007	11/01/2024	Lithium, total	0.0224	mg/L
MW-358R	Background	E007	11/01/2024	Mercury, total	0.00006 U	mg/L
MW-358R	Background	E007	11/01/2024	Molybdenum, total	0.142	mg/L
MW-358R	Background	E007	11/01/2024	Oxidation Reduction Potential	-107	mV
MW-358R	Background	E007	11/01/2024	pH (field)	7.7	SU
MW-358R	Background	E007	11/01/2024	Radium 226 + Radium 228, total	0.399	pCi/L
MW-358R	Background	E007	11/01/2024	Selenium, total	0.00330	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-358R	Background	E007	11/01/2024	Specific Conductance @ 25C (field)	3,520	micromhos/cm
MW-358R	Background	E007	11/01/2024	Sulfate, total	170	mg/L
MW-358R	Background	E007	11/01/2024	Temperature	16.7	degrees C
MW-358R	Background	E007	11/01/2024	Thallium, total	0.001 U	mg/L
MW-358R	Background	E007	11/01/2024	Total Dissolved Solids	2,350	mg/L
MW-358R	Background	E007	11/01/2024	Turbidity, field	43.0	NTU
MW-192	Compliance	E007	10/15/2024	Antimony, total	0.0007 J	mg/L
MW-192	Compliance	E007	10/15/2024	Arsenic, total	0.0007 J	mg/L
MW-192	Compliance	E007	10/15/2024	Barium, total	0.0953	mg/L
MW-192	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-192	Compliance	E007	10/15/2024	Boron, total	0.0672 J+	mg/L
MW-192	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-192	Compliance	E007	10/15/2024	Calcium, total	72.4	mg/L
MW-192	Compliance	E007	10/15/2024	Chloride, total	19.8	mg/L
MW-192	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-192	Compliance	E007	10/15/2024	Cobalt, total	0.0006 J	mg/L
MW-192	Compliance	E007	10/15/2024	Dissolved Oxygen	0.750	mg/L
MW-192	Compliance	E007	10/15/2024	Fluoride, total	0.41 J	mg/L
MW-192	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-192	Compliance	E007	10/15/2024	Lithium, total	0.00350	mg/L
MW-192	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-192	Compliance	E007	10/15/2024	Molybdenum, total	0.00210	mg/L
MW-192	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-90.0	mV
MW-192	Compliance	E007	10/15/2024	pH (field)	6.6	SU
MW-192	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.288	pCi/L
MW-192	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-192	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	849	micromhos/cm
MW-192	Compliance	E007	10/15/2024	Sulfate, total	15.0	mg/L
MW-192	Compliance	E007	10/15/2024	Temperature	18.1	degrees C
MW-192	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-192	Compliance	E007	10/15/2024	Total Dissolved Solids	450	mg/L
MW-192	Compliance	E007	10/15/2024	Turbidity, field	53.0	NTU
MW-193	Compliance	E007	10/15/2024	Antimony, total	0.0006 J	mg/L
MW-193	Compliance	E007	10/15/2024	Arsenic, total	0.0007 J	mg/L
MW-193	Compliance	E007	10/15/2024	Barium, total	0.0749	mg/L
MW-193	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-193	Compliance	E007	10/15/2024	Boron, total	0.0524 J+	mg/L
MW-193	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-193	Compliance	E007	10/15/2024	Calcium, total	84.6	mg/L
MW-193	Compliance	E007	10/15/2024	Chloride, total	31.4	mg/L
MW-193	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-193	Compliance	E007	10/15/2024	Cobalt, total	0.0005 J	mg/L
MW-193	Compliance	E007	10/15/2024	Dissolved Oxygen	0.670	mg/L
MW-193	Compliance	E007	10/15/2024	Fluoride, total	0.23 J	mg/L
MW-193	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-193	Compliance	E007	10/15/2024	Lithium, total	0.00580	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-193	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-193	Compliance	E007	10/15/2024	Molybdenum, total	0.0008 J	mg/L
MW-193	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-88.0	mV
MW-193	Compliance	E007	10/15/2024	pH (field)	6.5	SU
MW-193	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.449	pCi/L
MW-193	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-193	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	1,040	micromhos/cm
MW-193	Compliance	E007	10/15/2024	Sulfate, total	151	mg/L
MW-193	Compliance	E007	10/15/2024	Temperature	17.7	degrees C
MW-193	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-193	Compliance	E007	10/15/2024	Total Dissolved Solids	614	mg/L
MW-193	Compliance	E007	10/15/2024	Turbidity, field	9.80	NTU
MW-356	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-356	Compliance	E007	10/16/2024	Arsenic, total	0.0004 U	mg/L
MW-356	Compliance	E007	10/16/2024	Barium, total	0.0375	mg/L
MW-356	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-356	Compliance	E007	10/16/2024	Boron, total	2.05	mg/L
MW-356	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-356	Compliance	E007	10/16/2024	Calcium, total	12.2	mg/L
MW-356	Compliance	E007	10/16/2024	Chloride, total	29.5	mg/L
MW-356	Compliance	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-356	Compliance	E007	10/16/2024	Cobalt, total	0.0001 U	mg/L
MW-356	Compliance	E007	10/16/2024	Dissolved Oxygen	0.460	mg/L
MW-356	Compliance	E007	10/16/2024	Fluoride, total	2.10	mg/L
MW-356	Compliance	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-356	Compliance	E007	10/16/2024	Lithium, total	0.0557	mg/L
MW-356	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-356	Compliance	E007	10/16/2024	Molybdenum, total	0.00210	mg/L
MW-356	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-74.0	mV
MW-356	Compliance	E007	10/16/2024	pH (field)	7.7	SU
MW-356	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.146	pCi/L
MW-356	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-356	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,270	micromhos/cm
MW-356	Compliance	E007	10/16/2024	Sulfate, total	41.0	mg/L
MW-356	Compliance	E007	10/16/2024	Temperature	16.6	degrees C
MW-356	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-356	Compliance	E007	10/16/2024	Total Dissolved Solids	632	mg/L
MW-356	Compliance	E007	10/16/2024	Turbidity, field	11.0	NTU
MW-369	Compliance	E007	10/15/2024	Antimony, total	0.00260	mg/L
MW-369	Compliance	E007	10/15/2024	Arsenic, total	0.00180	mg/L
MW-369	Compliance	E007	10/15/2024	Barium, total	0.126	mg/L
MW-369	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-369	Compliance	E007	10/15/2024	Boron, total	0.251 J+	mg/L
MW-369	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-369	Compliance	E007	10/15/2024	Calcium, total	126	mg/L
MW-369	Compliance	E007	10/15/2024	Chloride, total	63.3	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-369	Compliance	E007	10/15/2024	Chromium, total	0.0009 J	mg/L
MW-369	Compliance	E007	10/15/2024	Cobalt, total	0.00160	mg/L
MW-369	Compliance	E007	10/15/2024	Dissolved Oxygen	0.330	mg/L
MW-369	Compliance	E007	10/15/2024	Fluoride, total	0.520	mg/L
MW-369	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-369	Compliance	E007	10/15/2024	Lithium, total	0.0135	mg/L
MW-369	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-369	Compliance	E007	10/15/2024	Molybdenum, total	0.00210	mg/L
MW-369	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-226	mV
MW-369	Compliance	E007	10/15/2024	pH (field)	8.4	SU
MW-369	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.218	pCi/L
MW-369	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-369	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	2,270	micromhos/cm
MW-369	Compliance	E007	10/15/2024	Sulfate, total	94.8	mg/L
MW-369	Compliance	E007	10/15/2024	Temperature	15.3	degrees C
MW-369	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-369	Compliance	E007	10/15/2024	Total Dissolved Solids	786	mg/L
MW-369	Compliance	E007	10/15/2024	Turbidity, field	3.70	NTU
MW-370	Compliance	E007	10/15/2024	Antimony, total	0.00150	mg/L
MW-370	Compliance	E007	10/15/2024	Arsenic, total	0.0008 J	mg/L
MW-370	Compliance	E007	10/15/2024	Barium, total	0.0340	mg/L
MW-370	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-370	Compliance	E007	10/15/2024	Boron, total	1.93	mg/L
MW-370	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-370	Compliance	E007	10/15/2024	Calcium, total	40.4	mg/L
MW-370	Compliance	E007	10/15/2024	Chloride, total	1,520	mg/L
MW-370	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-370	Compliance	E007	10/15/2024	Cobalt, total	0.0002 J	mg/L
MW-370	Compliance	E007	10/15/2024	Dissolved Oxygen	0.420	mg/L
MW-370	Compliance	E007	10/15/2024	Fluoride, total	3.14	mg/L
MW-370	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-370	Compliance	E007	10/15/2024	Lithium, total	0.138	mg/L
MW-370	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-370	Compliance	E007	10/15/2024	Molybdenum, total	0.0136	mg/L
MW-370	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-59.0	mV
MW-370	Compliance	E007	10/15/2024	pH (field)	7.4	SU
MW-370	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.595	pCi/L
MW-370	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-370	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	6,170	micromhos/cm
MW-370	Compliance	E007	10/15/2024	Sulfate, total	252	mg/L
MW-370	Compliance	E007	10/15/2024	Temperature	15.6	degrees C
MW-370	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-370	Compliance	E007	10/15/2024	Total Dissolved Solids	3,020	mg/L
MW-370	Compliance	E007	10/15/2024	Turbidity, field	1 U	NTU
MW-382	Compliance	E007	10/15/2024	Antimony, total	0.00100 J	mg/L
MW-382	Compliance	E007	10/15/2024	Arsenic, total	0.00200	mg/L

TABLE 1.
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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-382	Compliance	E007	10/15/2024	Barium, total	0.0254	mg/L
MW-382	Compliance	E007	10/15/2024	Beryllium, total	0.0007 J	mg/L
MW-382	Compliance	E007	10/15/2024	Boron, total	1.80	mg/L
MW-382	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-382	Compliance	E007	10/15/2024	Calcium, total	29.5	mg/L
MW-382	Compliance	E007	10/15/2024	Chloride, total	30.6	mg/L
MW-382	Compliance	E007	10/15/2024	Chromium, total	0.0188	mg/L
MW-382	Compliance	E007	10/15/2024	Cobalt, total	0.00360	mg/L
MW-382	Compliance	E007	10/15/2024	Dissolved Oxygen	0.540	mg/L
MW-382	Compliance	E007	10/15/2024	Fluoride, total	3.06	mg/L
MW-382	Compliance	E007	10/15/2024	Lead, total	0.00340	mg/L
MW-382	Compliance	E007	10/15/2024	Lithium, total	0.0618	mg/L
MW-382	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-382	Compliance	E007	10/15/2024	Molybdenum, total	0.00230	mg/L
MW-382	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-96.0	mV
MW-382	Compliance	E007	10/15/2024	pH (field)	7.6	SU
MW-382	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.335	pCi/L
MW-382	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-382	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	1,970	micromhos/cm
MW-382	Compliance	E007	10/15/2024	Sulfate, total	389	mg/L
MW-382	Compliance	E007	10/15/2024	Temperature	15.9	degrees C
MW-382	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-382	Compliance	E007	10/15/2024	Total Dissolved Solids	3,600	mg/L
MW-382	Compliance	E007	10/15/2024	Turbidity, field	51.0	NTU
MW-392	Compliance	E007	10/15/2024	Antimony, total	0.00100 J	mg/L
MW-392	Compliance	E007	10/15/2024	Arsenic, total	0.0004 U	mg/L
MW-392	Compliance	E007	10/15/2024	Barium, total	0.0369	mg/L
MW-392	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-392	Compliance	E007	10/15/2024	Boron, total	2.02	mg/L
MW-392	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-392	Compliance	E007	10/15/2024	Calcium, total	24.8	mg/L
MW-392	Compliance	E007	10/15/2024	Chloride, total	993	mg/L
MW-392	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-392	Compliance	E007	10/15/2024	Cobalt, total	0.0001 U	mg/L
MW-392	Compliance	E007	10/15/2024	Dissolved Oxygen	1.42	mg/L
MW-392	Compliance	E007	10/15/2024	Fluoride, total	4.36	mg/L
MW-392	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Lithium, total	0.0799	mg/L
MW-392	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Molybdenum, total	0.0006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-142	mV
MW-392	Compliance	E007	10/15/2024	pH (field)	7.6	SU
MW-392	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.109	pCi/L
MW-392	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-392	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	3,830	micromhos/cm
MW-392	Compliance	E007	10/15/2024	Sulfate, total	52.5	mg/L

TABLE 1.
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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-392	Compliance	E007	10/15/2024	Temperature	17.4	degrees C
MW-392	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-392	Compliance	E007	10/15/2024	Total Dissolved Solids	1,940	mg/L
MW-392	Compliance	E007	10/15/2024	Turbidity, field	7.00	NTU
MW-393	Compliance	E007	10/15/2024	Antimony, total	0.0008 J	mg/L
MW-393	Compliance	E007	10/15/2024	Arsenic, total	0.0004 U	mg/L
MW-393	Compliance	E007	10/15/2024	Barium, total	0.0380	mg/L
MW-393	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-393	Compliance	E007	10/15/2024	Boron, total	1.86	mg/L
MW-393	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-393	Compliance	E007	10/15/2024	Calcium, total	6.10	mg/L
MW-393	Compliance	E007	10/15/2024	Chloride, total	880	mg/L
MW-393	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-393	Compliance	E007	10/15/2024	Cobalt, total	0.0001 U	mg/L
MW-393	Compliance	E007	10/15/2024	Dissolved Oxygen	0.310	mg/L
MW-393	Compliance	E007	10/15/2024	Fluoride, total	10.4	mg/L
MW-393	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Lithium, total	0.0706	mg/L
MW-393	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Molybdenum, total	0.0006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-258	mV
MW-393	Compliance	E007	10/15/2024	pH (field)	8.1	SU
MW-393	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.0724	pCi/L
MW-393	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-393	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	4,640	micromhos/cm
MW-393	Compliance	E007	10/15/2024	Sulfate, total	181	mg/L
MW-393	Compliance	E007	10/15/2024	Temperature	17.7	degrees C
MW-393	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-393	Compliance	E007	10/15/2024	Total Dissolved Solids	2,830	mg/L
MW-393	Compliance	E007	10/15/2024	Turbidity, field	1.50	NTU
MW-394	Compliance	E007	10/15/2024	Antimony, total	0.0007 J	mg/L
MW-394	Compliance	E007	10/15/2024	Arsenic, total	0.0004 U	mg/L
MW-394	Compliance	E007	10/15/2024	Barium, total	0.0171	mg/L
MW-394	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-394	Compliance	E007	10/15/2024	Boron, total	1.80	mg/L
MW-394	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-394	Compliance	E007	10/15/2024	Calcium, total	8.67	mg/L
MW-394	Compliance	E007	10/15/2024	Chloride, total	828	mg/L
MW-394	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-394	Compliance	E007	10/15/2024	Cobalt, total	0.0001 U	mg/L
MW-394	Compliance	E007	10/15/2024	Dissolved Oxygen	0.690	mg/L
MW-394	Compliance	E007	10/15/2024	Fluoride, total	5.07	mg/L
MW-394	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-394	Compliance	E007	10/15/2024	Lithium, total	0.0622	mg/L
MW-394	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-394	Compliance	E007	10/15/2024	Molybdenum, total	0.001 J	mg/L

TABLE 1.
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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-394	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-292	mV
MW-394	Compliance	E007	10/15/2024	pH (field)	7.9	SU
MW-394	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.534	pCi/L
MW-394	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-394	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	4,340	micromhos/cm
MW-394	Compliance	E007	10/15/2024	Sulfate, total	213	mg/L
MW-394	Compliance	E007	10/15/2024	Temperature	17.1	degrees C
MW-394	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-394	Compliance	E007	10/15/2024	Total Dissolved Solids	2,310	mg/L
MW-394	Compliance	E007	10/15/2024	Turbidity, field	39.0	NTU
OW-256	Compliance	E007	10/15/2024	Antimony, total	0.0006 J	mg/L
OW-256	Compliance	E007	10/15/2024	Arsenic, total	0.0009 J	mg/L
OW-256	Compliance	E007	10/15/2024	Barium, total	0.0805	mg/L
OW-256	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
OW-256	Compliance	E007	10/15/2024	Boron, total	0.210 J+	mg/L
OW-256	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
OW-256	Compliance	E007	10/15/2024	Calcium, total	83.9	mg/L
OW-256	Compliance	E007	10/15/2024	Chloride, total	52.0	mg/L
OW-256	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
OW-256	Compliance	E007	10/15/2024	Cobalt, total	0.0005 J	mg/L
OW-256	Compliance	E007	10/15/2024	Dissolved Oxygen	0.910	mg/L
OW-256	Compliance	E007	10/15/2024	Fluoride, total	0.24 J	mg/L
OW-256	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
OW-256	Compliance	E007	10/15/2024	Lithium, total	0.00830	mg/L
OW-256	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
OW-256	Compliance	E007	10/15/2024	Molybdenum, total	0.0011 J	mg/L
OW-256	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-73.0	mV
OW-256	Compliance	E007	10/15/2024	pH (field)	6.8	SU
OW-256	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.4	pCi/L
OW-256	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
OW-256	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	549	micromhos/cm
OW-256	Compliance	E007	10/15/2024	Sulfate, total	65.1	mg/L
OW-256	Compliance	E007	10/15/2024	Temperature	16.0	degrees C
OW-256	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
OW-256	Compliance	E007	10/15/2024	Total Dissolved Solids	510	mg/L
OW-256	Compliance	E007	10/15/2024	Turbidity, field	1.30	NTU
OW-257	Compliance	E007	10/14/2024	Antimony, total	0.00150	mg/L
OW-257	Compliance	E007	10/14/2024	Arsenic, total	0.00160	mg/L
OW-257	Compliance	E007	10/14/2024	Barium, total	0.107	mg/L
OW-257	Compliance	E007	10/14/2024	Beryllium, total	0.0002 U	mg/L
OW-257	Compliance	E007	10/14/2024	Boron, total	0.595	mg/L
OW-257	Compliance	E007	10/14/2024	Cadmium, total	0.0002 U	mg/L
OW-257	Compliance	E007	10/14/2024	Calcium, total	108	mg/L
OW-257	Compliance	E007	10/14/2024	Chloride, total	7.52	mg/L
OW-257	Compliance	E007	10/14/2024	Chromium, total	0.0007 J	mg/L
OW-257	Compliance	E007	10/14/2024	Cobalt, total	0.00320	mg/L

TABLE 1.
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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
OW-257	Compliance	E007	10/14/2024	Dissolved Oxygen	1.25	mg/L
OW-257	Compliance	E007	10/14/2024	Fluoride, total	0.3 J	mg/L
OW-257	Compliance	E007	10/14/2024	Lead, total	0.0007 J	mg/L
OW-257	Compliance	E007	10/14/2024	Lithium, total	0.0391	mg/L
OW-257	Compliance	E007	10/14/2024	Mercury, total	0.00006 U	mg/L
OW-257	Compliance	E007	10/14/2024	Molybdenum, total	0.00290	mg/L
OW-257	Compliance	E007	10/14/2024	Oxidation Reduction Potential	-89.0	mV
OW-257	Compliance	E007	10/14/2024	pH (field)	6.7	SU
OW-257	Compliance	E007	10/14/2024	Radium 226 + Radium 228, total	0.96	pCi/L
OW-257	Compliance	E007	10/14/2024	Selenium, total	0.0006 U	mg/L
OW-257	Compliance	E007	10/14/2024	Specific Conductance @ 25C (field)	1,960	micromhos/cm
OW-257	Compliance	E007	10/14/2024	Sulfate, total	104	mg/L
OW-257	Compliance	E007	10/14/2024	Temperature	17.2	degrees C
OW-257	Compliance	E007	10/14/2024	Thallium, total	0.001 U	mg/L
OW-257	Compliance	E007	10/14/2024	Total Dissolved Solids	712	mg/L
OW-257	Compliance	E007	10/14/2024	Turbidity, field	3.40	NTU
PZ-170	Compliance	E007	10/14/2024	Antimony, total	0.0004 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Arsenic, total	0.0009 J	mg/L
PZ-170	Compliance	E007	10/14/2024	Barium, total	0.0869	mg/L
PZ-170	Compliance	E007	10/14/2024	Beryllium, total	0.0002 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Boron, total	0.360	mg/L
PZ-170	Compliance	E007	10/14/2024	Cadmium, total	0.0002 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Calcium, total	202	mg/L
PZ-170	Compliance	E007	10/14/2024	Chloride, total	83.5	mg/L
PZ-170	Compliance	E007	10/14/2024	Chromium, total	0.0007 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Cobalt, total	0.0009 J	mg/L
PZ-170	Compliance	E007	10/14/2024	Dissolved Oxygen	0.590	mg/L
PZ-170	Compliance	E007	10/14/2024	Fluoride, total	0.2 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Lead, total	0.0006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Lithium, total	0.0420	mg/L
PZ-170	Compliance	E007	10/14/2024	Mercury, total	0.00006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Molybdenum, total	0.0006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Oxidation Reduction Potential	-218	mV
PZ-170	Compliance	E007	10/14/2024	pH (field)	6.5	SU
PZ-170	Compliance	E007	10/14/2024	Radium 226 + Radium 228, total	0.572	pCi/L
PZ-170	Compliance	E007	10/14/2024	Selenium, total	0.0006 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Specific Conductance @ 25C (field)	2,920	micromhos/cm
PZ-170	Compliance	E007	10/14/2024	Sulfate, total	234	mg/L
PZ-170	Compliance	E007	10/14/2024	Temperature	17.0	degrees C
PZ-170	Compliance	E007	10/14/2024	Thallium, total	0.001 U	mg/L
PZ-170	Compliance	E007	10/14/2024	Total Dissolved Solids	1,140	mg/L
PZ-170	Compliance	E007	10/14/2024	Turbidity, field	1 U	NTU
PZ-182	Compliance	E007	10/15/2024	Antimony, total	0.0008 J	mg/L
PZ-182	Compliance	E007	10/15/2024	Arsenic, total	0.0004 J	mg/L
PZ-182	Compliance	E007	10/15/2024	Barium, total	0.0585	mg/L
PZ-182	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
PZ-182	Compliance	E007	10/15/2024	Boron, total	0.469	mg/L
PZ-182	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Calcium, total	147	mg/L
PZ-182	Compliance	E007	10/15/2024	Chloride, total	32.5	mg/L
PZ-182	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Cobalt, total	0.0002 J	mg/L
PZ-182	Compliance	E007	10/15/2024	Dissolved Oxygen	0.870	mg/L
PZ-182	Compliance	E007	10/15/2024	Fluoride, total	0.2 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Lithium, total	0.0150	mg/L
PZ-182	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Molybdenum, total	0.0006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-165	mV
PZ-182	Compliance	E007	10/15/2024	pH (field)	6.7	SU
PZ-182	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.377	pCi/L
PZ-182	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	898	micromhos/cm
PZ-182	Compliance	E007	10/15/2024	Sulfate, total	152	mg/L
PZ-182	Compliance	E007	10/15/2024	Temperature	15.4	degrees C
PZ-182	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
PZ-182	Compliance	E007	10/15/2024	Total Dissolved Solids	700	mg/L
PZ-182	Compliance	E007	10/15/2024	Turbidity, field	1 U	NTU

Notes:
C = Celsius
cm = centimeter
Events:
E007 = Quarter 4, 2024 sampling event
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
Result Code (if applicable):
NR[1] = Parameter not analyzed.
NS[1] = Well has been, or will be, abandoned; therefore, a sample was not collected.
NS[2] = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
NS[3] = The location was not accessible; therefore, a sample was not collected.
NS[4] = The location could not be found; therefore, a sample was not collected.
NS[5] = The location was damaged; therefore, a sample was not collected.
NS[6] = Sampling pump could not yield a sample.
NS[7] = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
NS[8] = A sample was not collected.
PM[1] = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.
Result qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-192	UU	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	27	CI around geomean	0.00141	0.010	Standard	No Exceedance
MW-192	UU	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0916	2.0	Standard	No Exceedance
MW-192	UU	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.0279	2.23	Background	No Exceedance
MW-192	UU	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	12.1	1,370	Background	No Exceedance
MW-192	UU	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	36	CI around mean	0.00102	0.006	Standard	No Exceedance
MW-192	UU	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.412	4.0	Standard	No Exceedance
MW-192	UU	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	9	CB around linear reg	-0.028	0.123	Background	No Exceedance
MW-192	UU	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.0018	0.1	Standard	No Exceedance
MW-192	UU	E004	pH (field)	SU	10/27/22 - 02/06/24	11	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-192	UU	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.4	5	Standard	No Exceedance
MW-192	UU	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	-7.08	400	Standard	No Exceedance
MW-192	UU	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CB around T-S line	-21.1	3,260	Background	No Exceedance
MW-193	UU	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-193	UU	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	18	CB around T-S line	-0.00357	0.010	Standard	No Exceedance
MW-193	UU	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	0.0743	2.0	Standard	No Exceedance
MW-193	UU	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	9	CI around mean	0.0358	2.23	Background	No Exceedance
MW-193	UU	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	30.7	1,370	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-193	UU	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	91	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.244	4.0	Standard	No Exceedance
MW-193	UU	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.00455	0.123	Background	No Exceedance
MW-193	UU	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E004	pH (field)	SU	10/27/22 - 02/06/24	11	0	CI around mean	6.7/7.1	6.5/9.0	Standard/Standard	No Exceedance
MW-193	UU	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.422	5	Standard	No Exceedance
MW-193	UU	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	153	400	Standard	No Exceedance
MW-193	UU	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	540	3,260	Background	No Exceedance
MW-356	UA	E004	Antimony, total	mg/L	12/29/15 - 02/07/24	26	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/07/24	29	83	CI around median	0.001	0.010	Standard	No Exceedance
MW-356	UA	E004	Barium, total	mg/L	12/29/15 - 02/07/24	29	0	CI around median	0.0299	2.0	Standard	No Exceedance
MW-356	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E004	Boron, total	mg/L	12/29/15 - 02/07/24	30	0	CI around median	1.94	2.23	Background	No Exceedance
MW-356	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E004	Chloride, total	mg/L	12/29/15 - 02/07/24	30	0	CB around linear reg	27.5	1,370	Background	No Exceedance
MW-356	UA	E004	Chromium, total	mg/L	12/29/15 - 02/07/24	28	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/07/24	27	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/07/24	30	0	CB around linear reg	1.98	4.0	Standard	No Exceedance
MW-356	UA	E004	Lead, total	mg/L	12/29/15 - 02/07/24	27	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E004	Lithium, total	mg/L	12/29/15 - 02/07/24	29	0	CI around geomean	0.0526	0.123	Background	No Exceedance
MW-356	UA	E004	Mercury, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/07/24	29	62	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-356	UA	E004	pH (field)	SU	12/29/15 - 02/07/24	30	0	CI around median	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-356	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/07/24	29	0	CI around median	0.12	5	Standard	No Exceedance
MW-356	UA	E004	Selenium, total	mg/L	12/29/15 - 02/07/24	26	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/07/24	30	0	CI around mean	44.2	400	Standard	No Exceedance
MW-356	UA	E004	Thallium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/07/24	29	0	CI around mean	659	3,260	Background	No Exceedance
MW-369	UA	E004	Antimony, total	mg/L	12/29/15 - 02/06/24	20	80	CB around T-S line	-0.000392	0.006	Standard	No Exceedance
MW-369	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/06/24	23	13	CI around geomean	0.00147	0.010	Standard	No Exceedance
MW-369	UA	E004	Barium, total	mg/L	12/29/15 - 02/06/24	23	0	CB around T-S line	0.0618	2.0	Standard	No Exceedance
MW-369	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E004	Boron, total	mg/L	12/29/15 - 02/06/24	24	0	CB around linear reg	-0.159	2.23	Background	No Exceedance
MW-369	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E004	Chloride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around geomean	86.7	1,370	Background	No Exceedance
MW-369	UA	E004	Chromium, total	mg/L	12/29/15 - 02/06/24	22	91	CB around T-S line	0.001	0.1	Standard	No Exceedance
MW-369	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/06/24	21	81	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around geomean	1.03	4.0	Standard	No Exceedance
MW-369	UA	E004	Lead, total	mg/L	12/29/15 - 02/06/24	21	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E004	Lithium, total	mg/L	12/29/15 - 02/06/24	23	4	CI around mean	0.0211	0.123	Background	No Exceedance
MW-369	UA	E004	Mercury, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/06/24	23	4	CB around T-S line	-0.00721	0.1	Standard	No Exceedance
MW-369	UA	E004	pH (field)	SU	12/29/15 - 02/06/24	24	0	CI around mean	7.4/8.1	6.5/9.0	Standard/Standard	No Exceedance
MW-369	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	23	0	CI around mean	0.433	5	Standard	No Exceedance
MW-369	UA	E004	Selenium, total	mg/L	12/29/15 - 02/06/24	20	65	CB around T-S line	-0.0135	0.05	Standard	No Exceedance
MW-369	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/06/24	24	0	CB around T-S line	-54.4	400	Standard	No Exceedance
MW-369	UA	E004	Thallium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/06/24	24	0	CI around median	726	3,260	Background	No Exceedance
MW-370	UA	E004	Antimony, total	mg/L	12/29/15 - 02/06/24	26	77	CB around T-S line	-0.000153	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-370	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/06/24	29	59	CB around T-S line	0.00016	0.010	Standard	No Exceedance
MW-370	UA	E004	Barium, total	mg/L	12/29/15 - 02/06/24	29	0	CB around T-S line	0.0266	2.0	Standard	No Exceedance
MW-370	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E004	Boron, total	mg/L	12/29/15 - 02/06/24	30	0	CI around median	1.77	2.23	Background	No Exceedance
MW-370	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E004	Chloride, total	mg/L	12/29/15 - 02/06/24	30	0	CB around linear reg	1,390	1,370	Background	Exceedance
MW-370	UA	E004	Chromium, total	mg/L	12/29/15 - 02/06/24	28	96	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-370	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/06/24	27	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/06/24	30	0	CB around linear reg	3.05	4.0	Standard	No Exceedance
MW-370	UA	E004	Lead, total	mg/L	12/29/15 - 02/06/24	27	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E004	Lithium, total	mg/L	12/29/15 - 02/06/24	29	0	CI around mean	0.131	0.123	Background	Exceedance
MW-370	UA	E004	Mercury, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/06/24	29	3	CB around T-S line	0.00288	0.1	Standard	No Exceedance
MW-370	UA	E004	pH (field)	SU	12/29/15 - 02/06/24	30	0	CB around T-S line	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
MW-370	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	29	0	CI around geomean	0.558	5	Standard	No Exceedance
MW-370	UA	E004	Selenium, total	mg/L	12/29/15 - 02/06/24	26	96	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/06/24	30	0	CI around mean	249	400	Standard	No Exceedance
MW-370	UA	E004	Thallium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/06/24	30	0	CB around linear reg	2,970	3,260	Background	No Exceedance
MW-382	UA	E004	Antimony, total	mg/L	12/29/15 - 02/06/24	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-382	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/06/24	23	22	CI around median	0.0012	0.010	Standard	No Exceedance
MW-382	UA	E004	Barium, total	mg/L	12/29/15 - 02/06/24	23	0	CI around mean	0.0179	2.0	Standard	No Exceedance
MW-382	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/06/24	18	94	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E004	Boron, total	mg/L	12/29/15 - 02/06/24	24	0	CI around median	1.71	2.23	Background	No Exceedance
MW-382	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E004	Chloride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around mean	34.5	1,370	Background	No Exceedance
MW-382	UA	E004	Chromium, total	mg/L	12/29/15 - 02/06/24	22	9	CB around linear reg	0.00691	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-382	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/06/24	21	62	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around median	2.77	4.0	Standard	No Exceedance
MW-382	UA	E004	Lead, total	mg/L	12/29/15 - 02/06/24	21	57	CB around T-S line	0.001	0.0075	Standard	No Exceedance
MW-382	UA	E004	Lithium, total	mg/L	12/29/15 - 02/06/24	23	0	CI around geomean	0.0577	0.123	Background	No Exceedance
MW-382	UA	E004	Mercury, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/06/24	23	26	CI around geomean	0.00131	0.1	Standard	No Exceedance
MW-382	UA	E004	pH (field)	SU	12/29/15 - 02/06/24	24	0	CI around mean	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-382	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	23	0	CB around T-S line	0.481	5	Standard	No Exceedance
MW-382	UA	E004	Selenium, total	mg/L	12/29/15 - 02/06/24	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/06/24	24	0	CB around linear reg	354	400	Standard	No Exceedance
MW-382	UA	E004	Thallium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/06/24	24	0	CI around mean	1,120	3,260	Background	No Exceedance
MW-392	UA	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	64	CI around median	0.001	0.010	Standard	No Exceedance
MW-392	UA	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0377	2.0	Standard	No Exceedance
MW-392	UA	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-392	UA	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	1.66	2.23	Background	No Exceedance
MW-392	UA	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-392	UA	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	648	1,370	Background	No Exceedance
MW-392	UA	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	54	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	91	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	3.96	4.0	Standard	No Exceedance
MW-392	UA	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	91	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	0.0752	0.123	Background	No Exceedance
MW-392	UA	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E004	pH (field)	SU	10/27/22 - 02/06/24	12	0	CI around mean	7.4/7.8	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-392	UA	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.372	5	Standard	No Exceedance
MW-392	UA	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	50	400	Standard	No Exceedance
MW-392	UA	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CI around median	1,340	3,260	Background	No Exceedance
MW-393	UA	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.010	Standard	No Exceedance
MW-393	UA	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around geomean	0.0242	2.0	Standard	No Exceedance
MW-393	UA	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-393	UA	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	1.59	2.23	Background	No Exceedance
MW-393	UA	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-393	UA	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	620	1,370	Background	No Exceedance
MW-393	UA	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	91	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	7.68	4.0	Standard	Exceedance
MW-393	UA	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-393	UA	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0579	0.123	Background	No Exceedance
MW-393	UA	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	54	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E004	pH (field)	SU	10/27/22 - 02/06/24	12	0	CI around mean	7.9/8.3	6.5/9.0	Standard/Standard	No Exceedance
MW-393	UA	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.274	5	Standard	No Exceedance
MW-393	UA	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-393	UA	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	43.9	400	Standard	No Exceedance
MW-393	UA	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CB around T-S line	1,980	3,260	Background	No Exceedance
MW-394	UA	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	64	CB around T-S line	-0.00331	0.006	Standard	No Exceedance
MW-394	UA	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	46	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-394	UA	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.029	2.0	Standard	No Exceedance
MW-394	UA	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	1.57	2.23	Background	No Exceedance
MW-394	UA	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	471	1,370	Background	No Exceedance
MW-394	UA	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	64	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	3.21	4.0	Standard	No Exceedance
MW-394	UA	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0508	0.123	Background	No Exceedance
MW-394	UA	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	27	CI around mean	0.00374	0.1	Standard	No Exceedance
MW-394	UA	E004	pH (field)	SU	10/27/22 - 02/06/24	11	0	CI around mean	7.7/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-394	UA	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.406	5	Standard	No Exceedance
MW-394	UA	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	91	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	9.73	400	Standard	No Exceedance
MW-394	UA	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	1,750	3,260	Background	No Exceedance
OW-256	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/07/24	5	20	CI around geomean	0.000865	0.010	Standard	No Exceedance
OW-256	PMP	E004	Barium, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.0772	2.0	Standard	No Exceedance
OW-256	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E004	Boron, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.157	2.23	Background	No Exceedance
OW-256	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	50.4	1,370	Background	No Exceedance
OW-256	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/07/24	5	40	CI around mean	0.000795	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-256	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.217	4.0	Standard	No Exceedance
OW-256	PMP	E004	Lead, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
OW-256	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/07/24	5	20	CI around mean	0.00287	0.123	Background	No Exceedance
OW-256	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E004	pH (field)	SU	03/14/23 - 02/07/24	5	0	CI around mean	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
OW-256	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/07/24	5	0	CI around mean	0.377	5	Standard	No Exceedance
OW-256	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	60.2	400	Standard	No Exceedance
OW-256	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	463	3,260	Background	No Exceedance
OW-257	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/06/24	5	60	CI around median (Last Sample, n<7)	0.0014	0.006	Standard	No Exceedance
OW-257	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/06/24	5	20	CI around geomean	0.000628	0.010	Standard	No Exceedance
OW-257	PMP	E004	Barium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	0.122	2.0	Standard	No Exceedance
OW-257	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
OW-257	PMP	E004	Boron, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.395	2.23	Background	No Exceedance
OW-257	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.005	Standard	No Exceedance
OW-257	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	6.4	1,370	Background	No Exceedance
OW-257	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/06/24	5	40	CI around geomean	0.000221	0.1	Standard	No Exceedance
OW-257	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/06/24	5	20	CI around geomean	0.000279	0.006	Standard	No Exceedance
OW-257	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.353	4.0	Standard	No Exceedance
OW-257	PMP	E004	Lead, total	mg/L	03/14/23 - 02/06/24	5	40	CI around geomean	0.000131	0.0075	Standard	No Exceedance
OW-257	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	0.0369	0.123	Background	No Exceedance
OW-257	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-257	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/06/24	5	40	CI around mean	0.00239	0.1	Standard	No Exceedance
OW-257	PMP	E004	pH (field)	SU	03/14/23 - 02/06/24	5	0	CI around mean	6.6/7.3	6.5/9.0	Standard/Standard	No Exceedance
OW-257	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around geomean	0.12	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-257	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-257	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	97.1	400	Standard	No Exceedance
OW-257	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-257	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	425	3,260	Background	No Exceedance
PZ-170	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/06/24	4	50	CI around mean	-0.00228	0.006	Standard	No Exceedance
PZ-170	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/06/24	4	50	CI around geomean	0.000904	0.010	Standard	No Exceedance
PZ-170	PMP	E004	Barium, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.0189	2.0	Standard	No Exceedance
PZ-170	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-170	PMP	E004	Boron, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.161	2.23	Background	No Exceedance
PZ-170	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-170	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	16.3	1,370	Background	No Exceedance
PZ-170	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/06/24	4	50	CI around mean	0.000984	0.1	Standard	No Exceedance
PZ-170	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	-0.000222	0.006	Standard	No Exceedance
PZ-170	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.166	4.0	Standard	No Exceedance
PZ-170	PMP	E004	Lead, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
PZ-170	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.0189	0.123	Background	No Exceedance
PZ-170	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-170	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E004	pH (field)	SU	03/14/23 - 02/06/24	5	0	CI around mean	6.5/6.6	6.5/9.0	Standard/Standard	No Exceedance
PZ-170	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around mean	0.0473	5	Standard	No Exceedance
PZ-170	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-170	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	98	400	Standard	No Exceedance
PZ-170	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-170	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	515	3,260	Background	No Exceedance
PZ-182	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.010	Standard	No Exceedance
PZ-182	PMP	E004	Barium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.0533	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-182	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E004	Boron, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.372	2.23	Background	No Exceedance
PZ-182	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	38	1,370	Background	No Exceedance
PZ-182	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/06/24	5	80	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.146	4.0	Standard	No Exceedance
PZ-182	PMP	E004	Lead, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.00591	0.123	Background	No Exceedance
PZ-182	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E004	pH (field)	SU	03/14/23 - 02/06/24	5	0	CI around mean	6.4/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-182	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around mean	-0.124	5	Standard	No Exceedance
PZ-182	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	128	400	Standard	No Exceedance
PZ-182	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	611	3,260	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
Compliance Result:

- No Exceedance: the statistical result did not exceed the GWPS.
- Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

- PMP = Potential Migration Pathway
- UA = Uppermost Aquifer
- UU = Upper Unit

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
- CB around T-S line = Confidence band around Thiel-Sen line
- CB around linear reg = Confidence band around linear regression
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median = Confidence interval around the median
- Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:

- Standard = standard specified in 35 I.A.C. § 845.600(a)(1)
- Background = background concentration (see cover page for additional information)

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-192	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	33	CI around geomean	0.00131	0.010	Standard	No Exceedance
MW-192	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0909	2.0	Standard	No Exceedance
MW-192	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.028	2.23	Background	No Exceedance
MW-192	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	11.9	1,370	Background	No Exceedance
MW-192	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	42	CI around mean	0.00101	0.006	Standard	No Exceedance
MW-192	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.415	4.0	Standard	No Exceedance
MW-192	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	8	CB around linear reg	-0.0252	0.123	Background	No Exceedance
MW-192	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00177	0.1	Standard	No Exceedance
MW-192	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-192	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.337	5	Standard	No Exceedance
MW-192	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-7.03	400	Standard	No Exceedance
MW-192	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	-81.3	3,260	Background	No Exceedance
MW-193	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	25	CB around T-S line	-0.00464	0.010	Standard	No Exceedance
MW-193	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	0.0743	2.0	Standard	No Exceedance
MW-193	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	8	CI around mean	0.0377	2.23	Background	No Exceedance
MW-193	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	30.3	1,370	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-193	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.246	4.0	Standard	No Exceedance
MW-193	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00451	0.123	Background	No Exceedance
MW-193	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-193	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.463	5	Standard	No Exceedance
MW-193	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	154	400	Standard	No Exceedance
MW-193	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	541	3,260	Background	No Exceedance
MW-356	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	89	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	83	CI around median	0.001	0.010	Standard	No Exceedance
MW-356	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around median	0.0299	2.0	Standard	No Exceedance
MW-356	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.94	2.23	Background	No Exceedance
MW-356	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	27.8	1,370	Background	No Exceedance
MW-356	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1.99	4.0	Standard	No Exceedance
MW-356	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.0526	0.123	Background	No Exceedance
MW-356	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	63	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-356	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CI around median	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-356	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around median	0.12	5	Standard	No Exceedance
MW-356	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	44.2	400	Standard	No Exceedance
MW-356	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	660	3,260	Background	No Exceedance
MW-369	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	21	81	CB around T-S line	-0.000206	0.006	Standard	No Exceedance
MW-369	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	24	12	CI around geomean	0.00145	0.010	Standard	No Exceedance
MW-369	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	24	0	CB around T-S line	0.0698	2.0	Standard	No Exceedance
MW-369	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	25	0	CB around linear reg	-0.153	2.23	Background	No Exceedance
MW-369	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	25	0	CI around geomean	86.4	1,370	Background	No Exceedance
MW-369	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	23	91	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-369	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	22	82	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-0.569	4.0	Standard	No Exceedance
MW-369	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	22	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	24	4	CI around mean	0.021	0.123	Background	No Exceedance
MW-369	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	24	4	CB around T-S line	-0.00551	0.1	Standard	No Exceedance
MW-369	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	25	0	CI around mean	7.4/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-369	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	24	0	CI around mean	0.45	5	Standard	No Exceedance
MW-369	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	21	67	CB around T-S line	-0.00896	0.05	Standard	No Exceedance
MW-369	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-36.3	400	Standard	No Exceedance
MW-369	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	25	0	CI around median	726	3,260	Background	No Exceedance
MW-370	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	78	CB around T-S line	-0.000129	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-370	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	60	CB around T-S line	0.000221	0.010	Standard	No Exceedance
MW-370	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CB around T-S line	0.0272	2.0	Standard	No Exceedance
MW-370	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.77	2.23	Background	No Exceedance
MW-370	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1,400	1,370	Background	Exceedance
MW-370	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-370	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	3.07	4.0	Standard	No Exceedance
MW-370	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	0.132	0.123	Background	Exceedance
MW-370	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	3	CB around T-S line	0.00347	0.1	Standard	No Exceedance
MW-370	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CB around T-S line	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
MW-370	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.57	5	Standard	No Exceedance
MW-370	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	96	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	249	400	Standard	No Exceedance
MW-370	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	2,990	3,260	Background	No Exceedance
MW-382	UA	E005	Antimony, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-382	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/17/24	24	21	CI around median	0.0012	0.010	Standard	No Exceedance
MW-382	UA	E005	Barium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0176	2.0	Standard	No Exceedance
MW-382	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/17/24	19	95	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E005	Boron, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	1.71	2.23	Background	No Exceedance
MW-382	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E005	Chloride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around mean	34.4	1,370	Background	No Exceedance
MW-382	UA	E005	Chromium, total	mg/L	12/29/15 - 04/17/24	23	9	CB around linear reg	0.00661	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-382	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/17/24	22	64	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	2.77	4.0	Standard	No Exceedance
MW-382	UA	E005	Lead, total	mg/L	12/29/15 - 04/17/24	22	54	CB around T-S line	0.001	0.0075	Standard	No Exceedance
MW-382	UA	E005	Lithium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0578	0.123	Background	No Exceedance
MW-382	UA	E005	Mercury, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/17/24	24	25	CI around geomean	0.00134	0.1	Standard	No Exceedance
MW-382	UA	E005	pH (field)	SU	12/29/15 - 04/17/24	25	0	CI around mean	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-382	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/17/24	24	0	CB around T-S line	0.545	5	Standard	No Exceedance
MW-382	UA	E005	Selenium, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	358	400	Standard	No Exceedance
MW-382	UA	E005	Thallium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	1,050	3,260	Background	No Exceedance
MW-392	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.001	0.010	Standard	No Exceedance
MW-392	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0388	2.0	Standard	No Exceedance
MW-392	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-392	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.68	2.23	Background	No Exceedance
MW-392	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-392	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	648	1,370	Background	No Exceedance
MW-392	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	4.07	4.0	Standard	Exceedance
MW-392	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0613	0.123	Background	No Exceedance
MW-392	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around median	7.6/7.7	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-392	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.422	5	Standard	No Exceedance
MW-392	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around geomean	48.8	400	Standard	No Exceedance
MW-392	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1,340	3,260	Background	No Exceedance
MW-393	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.010	Standard	No Exceedance
MW-393	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0248	2.0	Standard	No Exceedance
MW-393	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-393	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1.59	2.23	Background	No Exceedance
MW-393	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-393	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	664	1,370	Background	No Exceedance
MW-393	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	7.95	4.0	Standard	Exceedance
MW-393	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-393	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0594	0.123	Background	No Exceedance
MW-393	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around mean	7.9/8.3	6.5/9.0	Standard/Standard	No Exceedance
MW-393	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.268	5	Standard	No Exceedance
MW-393	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-393	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	69.7	400	Standard	No Exceedance
MW-393	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	2,220	3,260	Background	No Exceedance
MW-394	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	67	CB around T-S line	-0.00353	0.006	Standard	No Exceedance
MW-394	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	50	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-394	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.029	2.0	Standard	No Exceedance
MW-394	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.59	2.23	Background	No Exceedance
MW-394	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	492	1,370	Background	No Exceedance
MW-394	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	3.34	4.0	Standard	No Exceedance
MW-394	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0524	0.123	Background	No Exceedance
MW-394	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	33	CI around mean	0.00332	0.1	Standard	No Exceedance
MW-394	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	7.7/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-394	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.437	5	Standard	No Exceedance
MW-394	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-2.64	400	Standard	No Exceedance
MW-394	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1,790	3,260	Background	No Exceedance
OW-256	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.00085	0.010	Standard	No Exceedance
OW-256	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.0799	2.0	Standard	No Exceedance
OW-256	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.151	2.23	Background	No Exceedance
OW-256	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	52.2	1,370	Background	No Exceedance
OW-256	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	50	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-256	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.228	4.0	Standard	No Exceedance
OW-256	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
OW-256	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	17	CI around mean	0.00429	0.123	Background	No Exceedance
OW-256	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
OW-256	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.536	5	Standard	No Exceedance
OW-256	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	63.8	400	Standard	No Exceedance
OW-256	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	473	3,260	Background	No Exceedance
OW-257	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000786	0.006	Standard	No Exceedance
OW-257	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	17	CI around geomean	0.000736	0.010	Standard	No Exceedance
OW-257	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.113	2.0	Standard	No Exceedance
OW-257	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
OW-257	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.419	2.23	Background	No Exceedance
OW-257	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.005	Standard	No Exceedance
OW-257	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	6.55	1,370	Background	No Exceedance
OW-257	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000362	0.1	Standard	No Exceedance
OW-257	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.000375	0.006	Standard	No Exceedance
OW-257	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.366	4.0	Standard	No Exceedance
OW-257	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000218	0.0075	Standard	No Exceedance
OW-257	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.0299	0.123	Background	No Exceedance
OW-257	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-257	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	33	CI around mean	0.00236	0.1	Standard	No Exceedance
OW-257	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/7.3	6.5/9.0	Standard/Standard	No Exceedance
OW-257	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.225	5	Standard	No Exceedance

TABLE 2.
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-257	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-257	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	101	400	Standard	No Exceedance
OW-257	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-257	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	682	3,260	Background	No Exceedance
PZ-170	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
PZ-170	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	5	40	CI around geomean	0.000887	0.010	Standard	No Exceedance
PZ-170	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0424	2.0	Standard	No Exceedance
PZ-170	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-170	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.212	2.23	Background	No Exceedance
PZ-170	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-170	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	36.7	1,370	Background	No Exceedance
PZ-170	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.00072	0.006	Standard	No Exceedance
PZ-170	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.176	4.0	Standard	No Exceedance
PZ-170	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	5	80	CI around median (Last Sample, n<7)	0.002	0.0075	Standard	No Exceedance
PZ-170	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0246	0.123	Background	No Exceedance
PZ-170	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-170	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.6	6.5/9.0	Standard/Standard	No Exceedance
PZ-170	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.106	5	Standard	No Exceedance
PZ-170	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-170	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	144	400	Standard	No Exceedance
PZ-170	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-170	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	720	3,260	Background	No Exceedance
PZ-182	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.010	Standard	No Exceedance
PZ-182	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.057	2.0	Standard	No Exceedance

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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-182	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.424	2.23	Background	No Exceedance
PZ-182	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	37	1,370	Background	No Exceedance
PZ-182	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	83	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.153	4.0	Standard	No Exceedance
PZ-182	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.00834	0.123	Background	No Exceedance
PZ-182	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-182	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.166	5	Standard	No Exceedance
PZ-182	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	133	400	Standard	No Exceedance
PZ-182	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	643	3,260	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
Compliance Result:

No Exceedance: the statistical result did not exceed the GWPS.

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:

Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

Background = background concentration (see cover page for additional information)

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-192	UU	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	38	CI around geomean	0.00124	0.010	Standard	No Exceedance
MW-192	UU	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0898	2.0	Standard	No Exceedance
MW-192	UU	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-192	UU	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	15	CI around mean	0.0247	2.23	Background	No Exceedance
MW-192	UU	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-192	UU	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	11.1	1,370	Background	No Exceedance
MW-192	UU	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.0015	0.1	Standard	No Exceedance
MW-192	UU	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	46	CI around median	0.001	0.006	Standard	No Exceedance
MW-192	UU	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.418	4.0	Standard	No Exceedance
MW-192	UU	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.0075	Standard	No Exceedance
MW-192	UU	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	8	CB around linear reg	-0.0247	0.123	Background	No Exceedance
MW-192	UU	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-192	UU	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	23	CB around T-S line	-0.00295	0.1	Standard	No Exceedance
MW-192	UU	E006	pH (field)	SU	10/27/22 - 07/17/24	13	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-192	UU	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.348	5	Standard	No Exceedance
MW-192	UU	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-192	UU	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	-7.84	400	Standard	No Exceedance
MW-192	UU	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-192	UU	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CB around T-S line	-1.79	3,260	Background	No Exceedance
MW-193	UU	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	31	CB around T-S line	-0.00409	0.010	Standard	No Exceedance
MW-193	UU	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around median	0.0743	2.0	Standard	No Exceedance
MW-193	UU	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-193	UU	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	8	CI around mean	0.0378	2.23	Background	No Exceedance
MW-193	UU	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-193	UU	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	29.8	1,370	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-193	UU	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-193	UU	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.245	4.0	Standard	No Exceedance
MW-193	UU	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-193	UU	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	15	CI around mean	0.00442	0.123	Background	No Exceedance
MW-193	UU	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-193	UU	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.0015	0.1	Standard	No Exceedance
MW-193	UU	E006	pH (field)	SU	10/27/22 - 07/17/24	13	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-193	UU	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.484	5	Standard	No Exceedance
MW-193	UU	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-193	UU	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	154	400	Standard	No Exceedance
MW-193	UU	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-193	UU	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	544	3,260	Background	No Exceedance
MW-356	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	28	89	CI around median	0.001	0.006	Standard	No Exceedance
MW-356	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	31	84	CI around median	0.001	0.010	Standard	No Exceedance
MW-356	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around median	0.0299	2.0	Standard	No Exceedance
MW-356	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-356	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	32	0	CI around median	1.94	2.23	Background	No Exceedance
MW-356	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-356	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	27.7	1,370	Background	No Exceedance
MW-356	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	30	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-356	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	29	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-356	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	1.99	4.0	Standard	No Exceedance
MW-356	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	29	97	CI around median	0.001	0.0075	Standard	No Exceedance
MW-356	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around geomean	0.0527	0.123	Background	No Exceedance
MW-356	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-356	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	31	64	CI around median	0.0015	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-356	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	32	0	CI around median	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-356	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	31	0	CI around median	0.146	5	Standard	No Exceedance
MW-356	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	28	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-356	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	32	0	CI around mean	44.3	400	Standard	No Exceedance
MW-356	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-356	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	31	0	CI around mean	661	3,260	Background	No Exceedance
MW-369	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	22	82	CB around T-S line	-0.000157	0.006	Standard	No Exceedance
MW-369	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	25	12	CI around geomean	0.00143	0.010	Standard	No Exceedance
MW-369	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	25	0	CB around T-S line	0.0689	2.0	Standard	No Exceedance
MW-369	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-369	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	26	0	CB around linear reg	-0.184	2.23	Background	No Exceedance
MW-369	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-369	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	26	0	CI around geomean	85.4	1,370	Background	No Exceedance
MW-369	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	24	92	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-369	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	23	78	CI around median	0.001	0.006	Standard	No Exceedance
MW-369	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	26	0	CB around T-S line	-0.432	4.0	Standard	No Exceedance
MW-369	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	23	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-369	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	25	4	CI around mean	0.0206	0.123	Background	No Exceedance
MW-369	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-369	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	25	4	CB around T-S line	-0.00805	0.1	Standard	No Exceedance
MW-369	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	26	0	CI around mean	7.4/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-369	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	25	0	CI around mean	0.473	5	Standard	No Exceedance
MW-369	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	22	68	CB around T-S line	-0.0139	0.05	Standard	No Exceedance
MW-369	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	26	0	CI around geomean	107	400	Standard	No Exceedance
MW-369	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-369	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	26	0	CI around median	732	3,260	Background	No Exceedance
MW-370	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	28	79	CB around T-S line	0.0000531	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-370	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	31	61	CB around T-S line	0.0000775	0.010	Standard	No Exceedance
MW-370	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	31	0	CB around T-S line	0.0263	2.0	Standard	No Exceedance
MW-370	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-370	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	32	0	CI around median	1.77	2.23	Background	No Exceedance
MW-370	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-370	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	1,390	1,370	Background	Exceedance
MW-370	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	30	97	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-370	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	29	97	CI around median	0.001	0.006	Standard	No Exceedance
MW-370	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around T-S line	3.07	4.0	Standard	No Exceedance
MW-370	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	29	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-370	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around mean	0.132	0.123	Background	Exceedance
MW-370	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-370	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	31	3	CB around T-S line	0.00316	0.1	Standard	No Exceedance
MW-370	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	32	0	CB around T-S line	7.3/7.5	6.5/9.0	Standard/Standard	No Exceedance
MW-370	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	31	0	CI around geomean	0.575	5	Standard	No Exceedance
MW-370	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	28	96	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-370	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	32	0	CI around mean	249	400	Standard	No Exceedance
MW-370	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-370	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	2,990	3,260	Background	No Exceedance
MW-382	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-382	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	25	20	CI around median	0.0012	0.010	Standard	No Exceedance
MW-382	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	25	0	CI around mean	0.0182	2.0	Standard	No Exceedance
MW-382	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	20	95	CI around median	0.001	0.004	Standard	No Exceedance
MW-382	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	26	0	CI around median	1.71	2.23	Background	No Exceedance
MW-382	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-382	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	26	0	CI around mean	34.5	1,370	Background	No Exceedance
MW-382	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	24	8	CB around linear reg	0.00737	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-382	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	23	61	CB around T-S line	0.001	0.006	Standard	No Exceedance
MW-382	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	26	0	CI around geomean	2.82	4.0	Standard	No Exceedance
MW-382	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	23	52	CB around T-S line	0.001	0.0075	Standard	No Exceedance
MW-382	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	25	0	CI around geomean	0.058	0.123	Background	No Exceedance
MW-382	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-382	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	25	24	CI around geomean	0.00134	0.1	Standard	No Exceedance
MW-382	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	26	0	CI around mean	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-382	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	25	0	CB around T-S line	0.674	5	Standard	No Exceedance
MW-382	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	22	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-382	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	26	0	CB around linear reg	361	400	Standard	No Exceedance
MW-382	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-382	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	26	0	CI around mean	1,130	3,260	Background	No Exceedance
MW-392	UA	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	69	CI around median	0.001	0.010	Standard	No Exceedance
MW-392	UA	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0385	2.0	Standard	No Exceedance
MW-392	UA	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-392	UA	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	1.7	2.23	Background	No Exceedance
MW-392	UA	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-392	UA	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around median	827	1,370	Background	No Exceedance
MW-392	UA	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	62	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-392	UA	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	4.01	4.0	Standard	Exceedance
MW-392	UA	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
MW-392	UA	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0629	0.123	Background	No Exceedance
MW-392	UA	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-392	UA	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.0015	0.1	Standard	No Exceedance
MW-392	UA	E006	pH (field)	SU	10/27/22 - 07/17/24	14	0	CI around median	7.6/7.7	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-392	UA	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.411	5	Standard	No Exceedance
MW-392	UA	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-392	UA	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CI around geomean	49.8	400	Standard	No Exceedance
MW-392	UA	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-392	UA	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	1,630	3,260	Background	No Exceedance
MW-393	UA	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.010	Standard	No Exceedance
MW-393	UA	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0257	2.0	Standard	No Exceedance
MW-393	UA	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-393	UA	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	0	CI around median	1.61	2.23	Background	No Exceedance
MW-393	UA	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-393	UA	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	692	1,370	Background	No Exceedance
MW-393	UA	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-393	UA	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	8.48	4.0	Standard	Exceedance
MW-393	UA	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-393	UA	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.061	0.123	Background	No Exceedance
MW-393	UA	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-393	UA	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	62	CI around median	0.0015	0.1	Standard	No Exceedance
MW-393	UA	E006	pH (field)	SU	10/27/22 - 07/17/24	14	0	CI around mean	7.9/8.3	6.5/9.0	Standard/Standard	No Exceedance
MW-393	UA	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.266	5	Standard	No Exceedance
MW-393	UA	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-393	UA	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	176	400	Standard	No Exceedance
MW-393	UA	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-393	UA	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CB around T-S line	2,440	3,260	Background	No Exceedance
MW-394	UA	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	69	CB around T-S line	-0.00133	0.006	Standard	No Exceedance
MW-394	UA	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	54	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-394	UA	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0273	2.0	Standard	No Exceedance
MW-394	UA	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-394	UA	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	1.61	2.23	Background	No Exceedance
MW-394	UA	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-394	UA	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	511	1,370	Background	No Exceedance
MW-394	UA	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	69	CI around median	0.0015	0.1	Standard	No Exceedance
MW-394	UA	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.006	Standard	No Exceedance
MW-394	UA	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	3.45	4.0	Standard	No Exceedance
MW-394	UA	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.0075	Standard	No Exceedance
MW-394	UA	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0537	0.123	Background	No Exceedance
MW-394	UA	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-394	UA	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	38	CI around mean	0.00302	0.1	Standard	No Exceedance
MW-394	UA	E006	pH (field)	SU	10/27/22 - 07/17/24	13	0	CI around mean	7.7/8.0	6.5/9.0	Standard/Standard	No Exceedance
MW-394	UA	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.371	5	Standard	No Exceedance
MW-394	UA	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-394	UA	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	-12.1	400	Standard	No Exceedance
MW-394	UA	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-394	UA	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	1,830	3,260	Background	No Exceedance
OW-256	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
OW-256	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	29	CI around median	0.001	0.010	Standard	No Exceedance
OW-256	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.0795	2.0	Standard	No Exceedance
OW-256	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
OW-256	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.16	2.23	Background	No Exceedance
OW-256	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
OW-256	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	53.4	1,370	Background	No Exceedance
OW-256	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-256	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.233	4.0	Standard	No Exceedance
OW-256	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.0075	Standard	No Exceedance
OW-256	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	7	14	CI around mean	0.00374	0.123	Background	No Exceedance
OW-256	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-256	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.0015	0.1	Standard	No Exceedance
OW-256	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.7/7.0	6.5/9.0	Standard/Standard	No Exceedance
OW-256	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.392	5	Standard	No Exceedance
OW-256	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-256	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	66	400	Standard	No Exceedance
OW-256	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-256	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	479	3,260	Background	No Exceedance
OW-257	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.001	0.006	Standard	No Exceedance
OW-257	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	14	CI around geomean	0.000951	0.010	Standard	No Exceedance
OW-257	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around median	0.0988	2.0	Standard	No Exceedance
OW-257	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.0005	0.004	Standard	No Exceedance
OW-257	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.439	2.23	Background	No Exceedance
OW-257	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.005	Standard	No Exceedance
OW-257	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	6.82	1,370	Background	No Exceedance
OW-257	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.0015	0.1	Standard	No Exceedance
OW-257	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	29	CI around geomean	0.000595	0.006	Standard	No Exceedance
OW-257	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.377	4.0	Standard	No Exceedance
OW-257	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.001	0.0075	Standard	No Exceedance
OW-257	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around median	0.0268	0.123	Background	No Exceedance
OW-257	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
OW-257	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	29	CI around geomean	0.00245	0.1	Standard	No Exceedance
OW-257	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.7/7.2	6.5/9.0	Standard/Standard	No Exceedance
OW-257	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around geomean	0.311	5	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
OW-257	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
OW-257	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	104	400	Standard	No Exceedance
OW-257	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
OW-257	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	7	0	CI around median	682	3,260	Background	No Exceedance
PZ-170	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	6	67	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
PZ-170	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	6	33	CI around median (Last Sample, n<7)	0.0011	0.010	Standard	No Exceedance
PZ-170	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.0527	2.0	Standard	No Exceedance
PZ-170	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-170	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.222	2.23	Background	No Exceedance
PZ-170	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-170	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	6	0	CI around median (Last Sample, n<7)	82	1,370	Background	No Exceedance
PZ-170	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	6	67	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.00138	0.006	Standard	No Exceedance
PZ-170	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.181	4.0	Standard	No Exceedance
PZ-170	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
PZ-170	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.0263	0.123	Background	No Exceedance
PZ-170	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-170	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-170	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-170	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.115	5	Standard	No Exceedance
PZ-170	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-170	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	163	400	Standard	No Exceedance
PZ-170	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-170	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	825	3,260	Background	No Exceedance
PZ-182	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.010	Standard	No Exceedance
PZ-182	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.0554	2.0	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
PZ-182	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
PZ-182	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.398	2.23	Background	No Exceedance
PZ-182	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
PZ-182	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	16.7	1,370	Background	No Exceedance
PZ-182	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	86	Most recent sample	0.001	0.006	Standard	No Exceedance
PZ-182	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.148	4.0	Standard	No Exceedance
PZ-182	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.0075	Standard	No Exceedance
PZ-182	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.00978	0.123	Background	No Exceedance
PZ-182	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
PZ-182	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
PZ-182	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance
PZ-182	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.334	5	Standard	No Exceedance
PZ-182	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
PZ-182	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	133	400	Standard	No Exceedance
PZ-182	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
PZ-182	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	608	3,260	Background	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE- QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
Compliance Result:
- No Exceedance: the statistical result did not exceed the GWPS.
- Exceedance: The statistical result exceeded the GWPS.

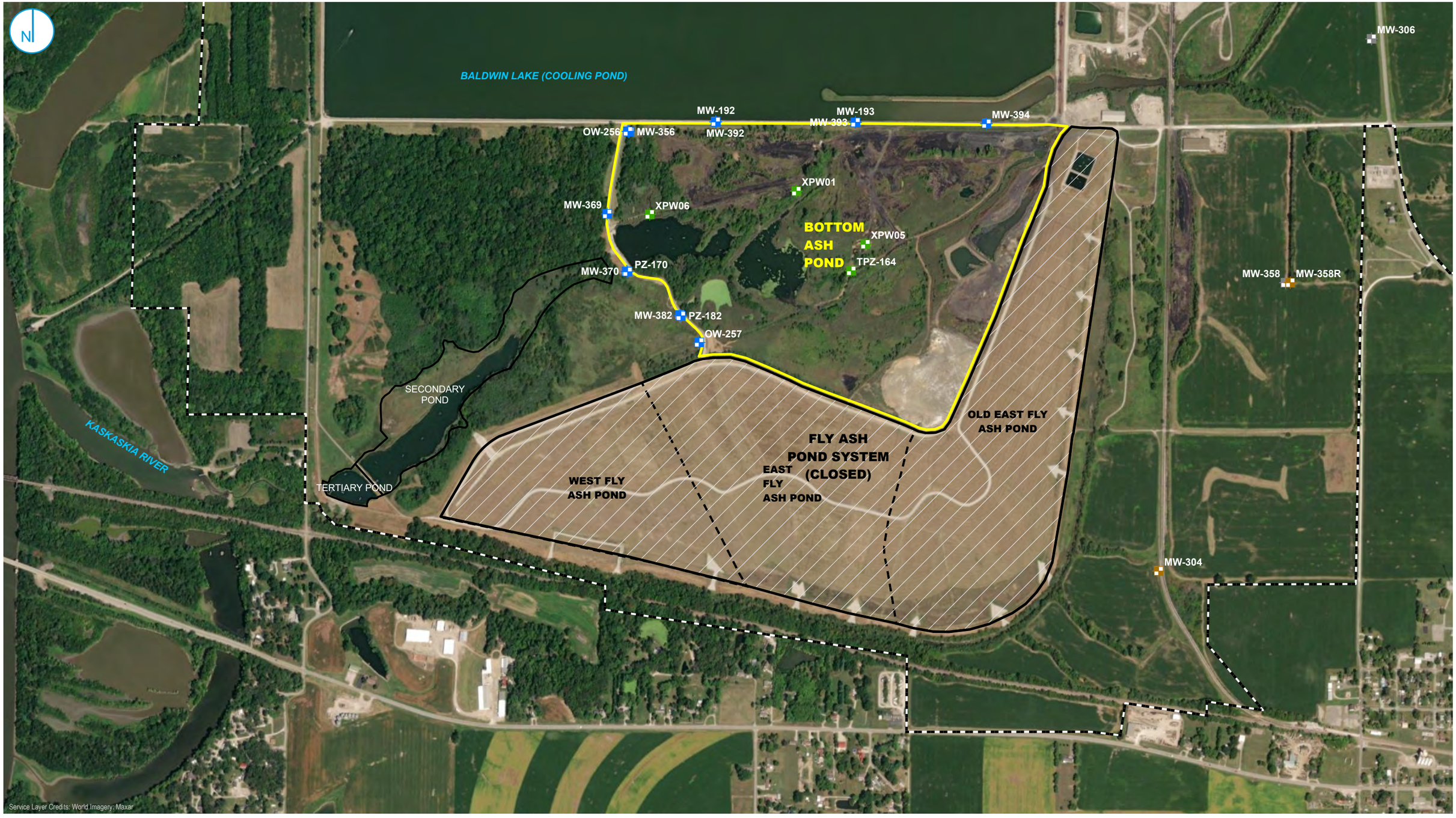
HSU = hydrostratigraphic unit:
- PMP = Potential Migration Pathway
- UA = Uppermost Aquifer
- UU = Upper Unit

mg/L = milligrams per liter
Missing Code (if applicable):
- NR[1] = Select parameters were not analyzed.
- NS[1] = This well has been, or will be, abandoned; therefore, a sample was not collected.
- NS[2] = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
- NS[3] = A sample was not collected because the location was inaccessible.
- NS[4] = The location could not be found, therefore a sample was not collected.
- NS[5] = A sample was not collected because of damage to the well.
- NS[6] = A sample was not collected because of pump issues.
- NS[7] = A sample was not collected because the well was either dry or was purged dry and did not recover.
- PM[1] = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.

ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
- CB around T-S line = Confidence band around Thiel-Sen line
- CB around linear reg = Confidence band around linear regression
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median = Confidence interval around the median
- Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits
GWPS = Groundwater Protection Standard
GWPS Source:
- Background = background concentration
- Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

FIGURES



PROJECT: 169000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\22285\MXD\845_AnnualGWM\2024\BALLAGWR_2024.aprx\Figure 1. 601 Monitoring Well Location Map

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

MONITORING WELL LOCATION MAP

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

- TOTAL CHLORIDE EXCEEDANCE
- TOTAL FLUORIDE EXCEEDANCE
- TOTAL LITHIUM EXCEEDANCE
- COMPLIANCE WELL WITHOUT EXCEEDANCE

0 400 800 Feet

- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

GWPS EXCEEDANCE MAP UPPERMOST AQUIFER QUARTER 4, 2023 AND QUARTERS 1-3, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

- COMPLIANCE WELL WITHOUT EXCEEDANCE

- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

GWPS EXCEEDANCE MAP UPPER UNIT
QUARTER 4, 2023 AND QUARTERS 1-3, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

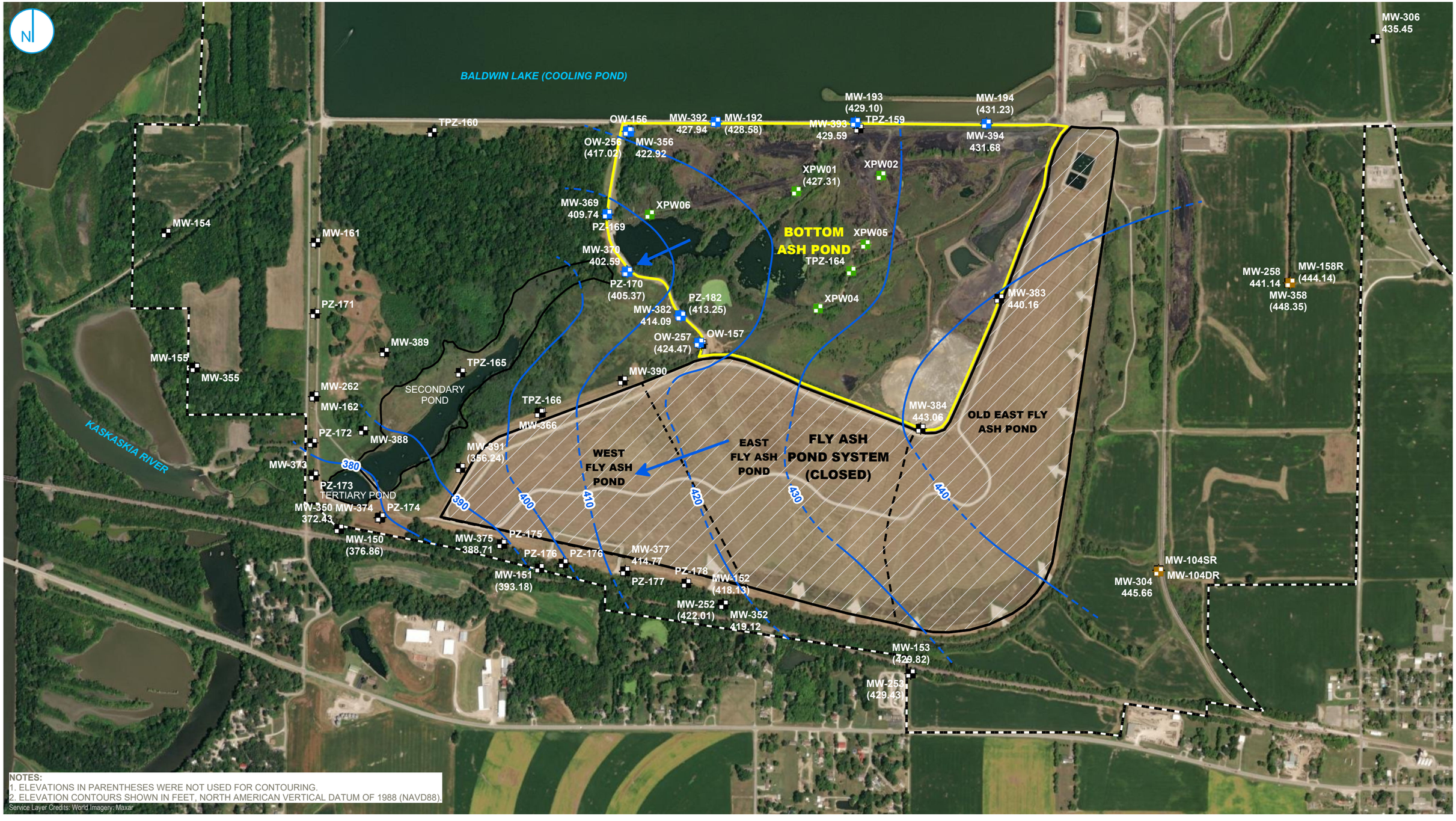
FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22851\MXD\GW_ContoursRound_2024\Baldwin\BAP_601BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240110

PROJECT: 169000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

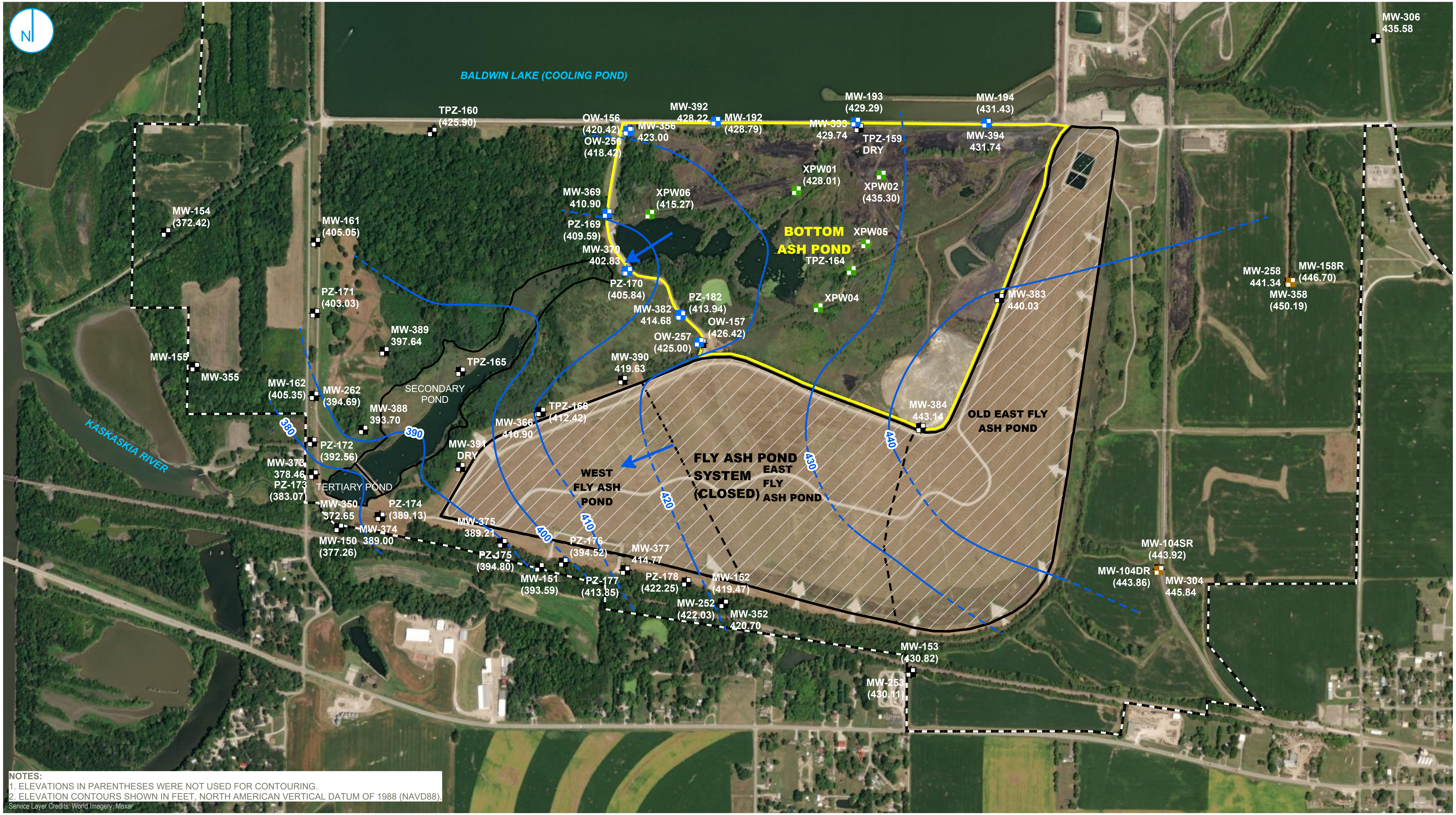
POTENTIOMETRIC SURFACE MAP JANUARY 10, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
Service Layer Credits: World Imagery: Maxar

COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL
MONITORING WELL
PORE WATER WELL

GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
INFERRED GROUNDWATER ELEVATION CONTOUR
GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)
FLY ASH POND SYSTEM (CLOSED)
SITE FEATURE
CAPPED AREA
PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP FEBRUARY 5, 2024

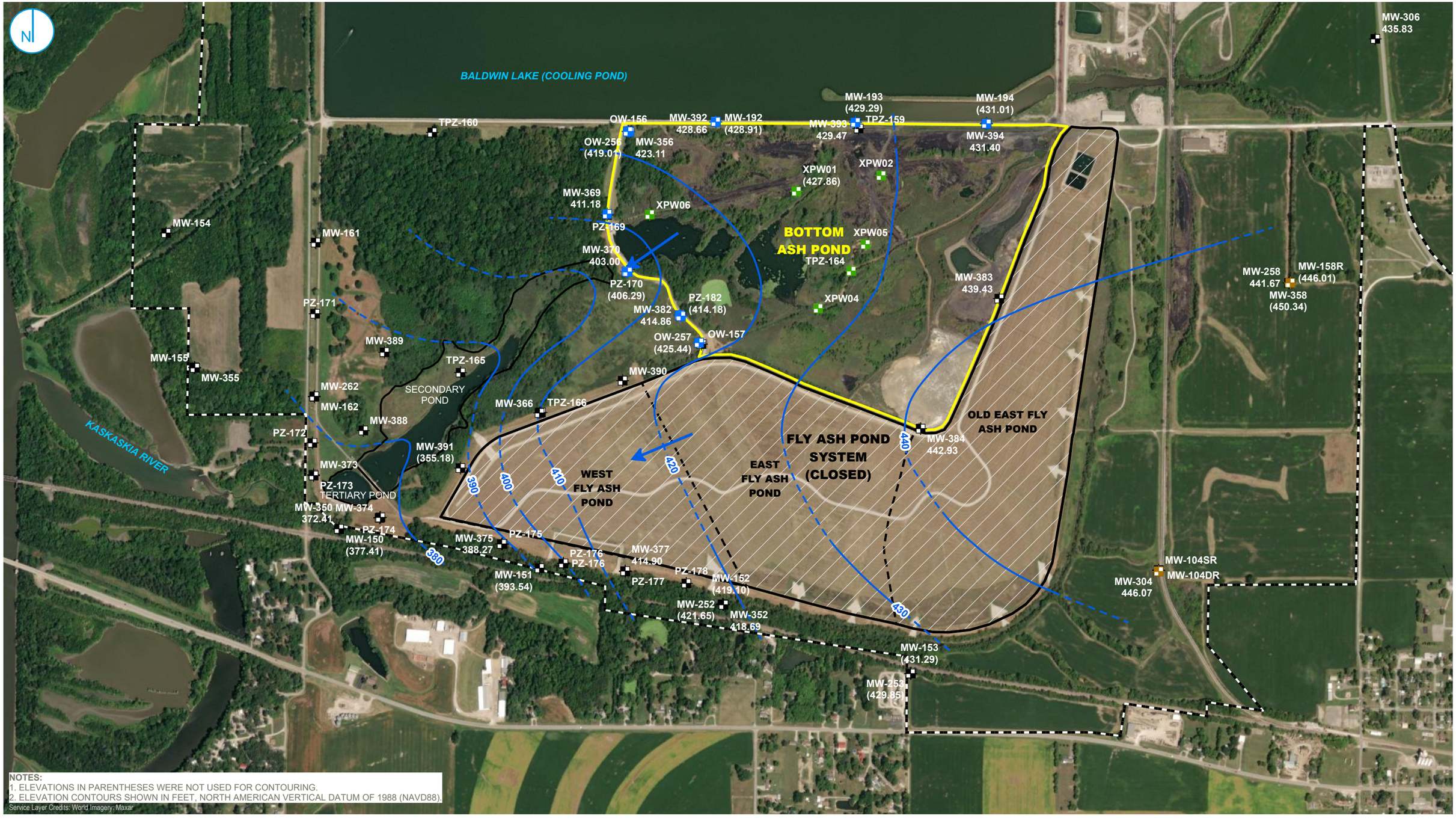
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 5

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC
Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240205



PROJECT: 169000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22228S\MXD\GW_ContoursRound_2024\BaldwinBAP_601BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240315

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

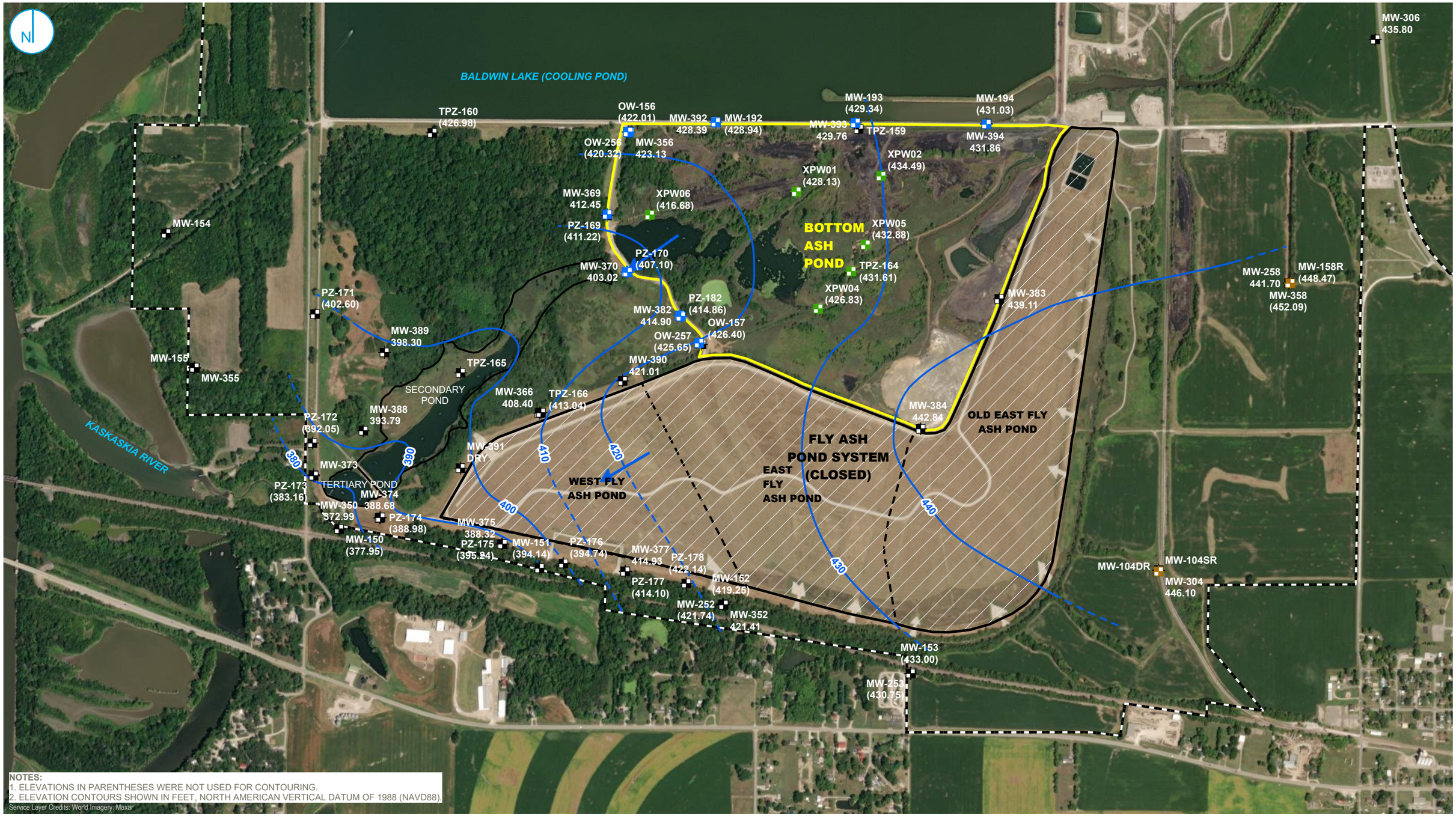
POTENTIOMETRIC SURFACE MAP MARCH 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP APRIL 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 7

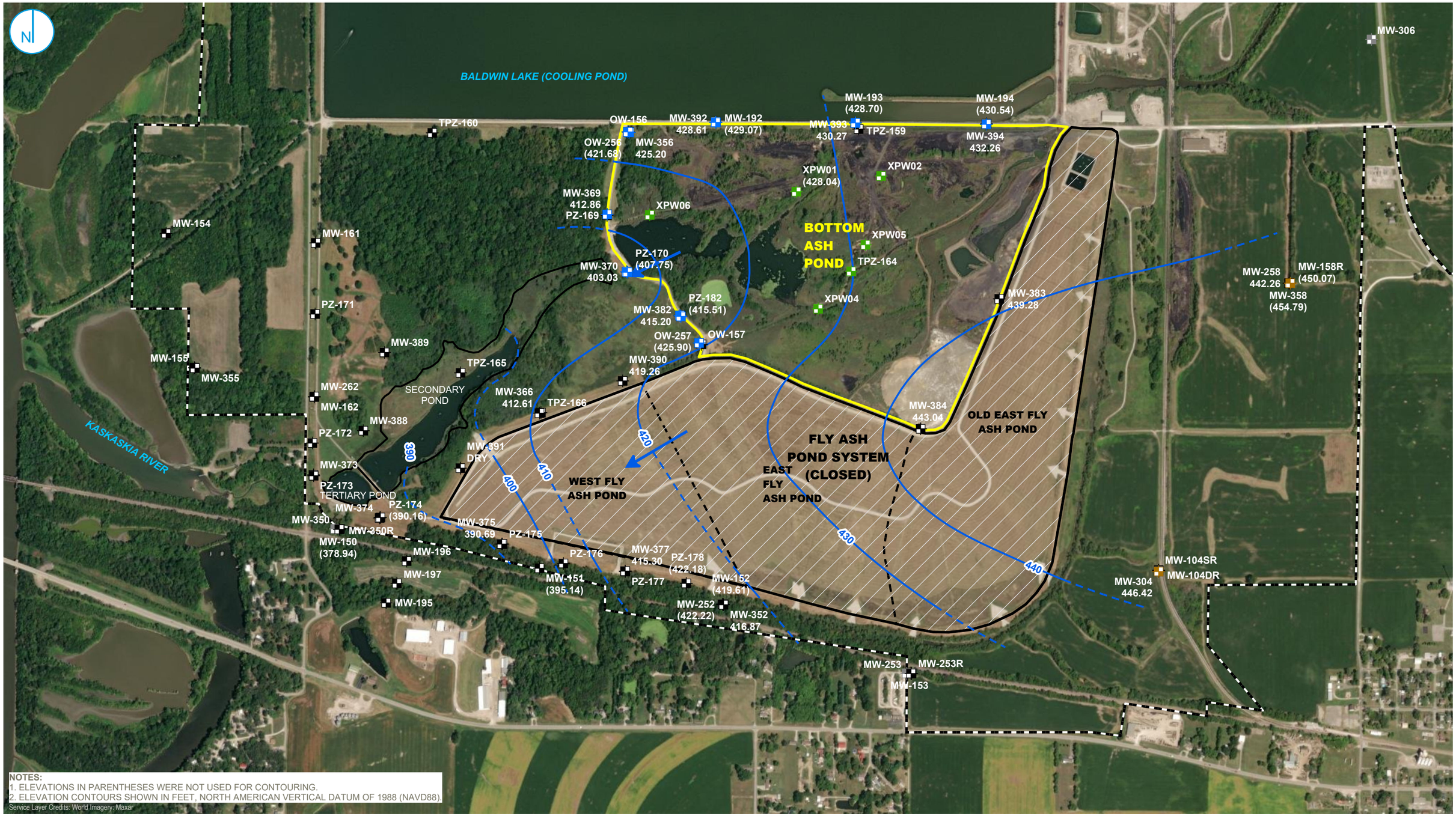
RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_ContoursRound_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240415

Y:\Mapping\Projects\222285\MXD\GW_ContoursRound_2024\BaldwinBAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240515



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

PROJECT: 169000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

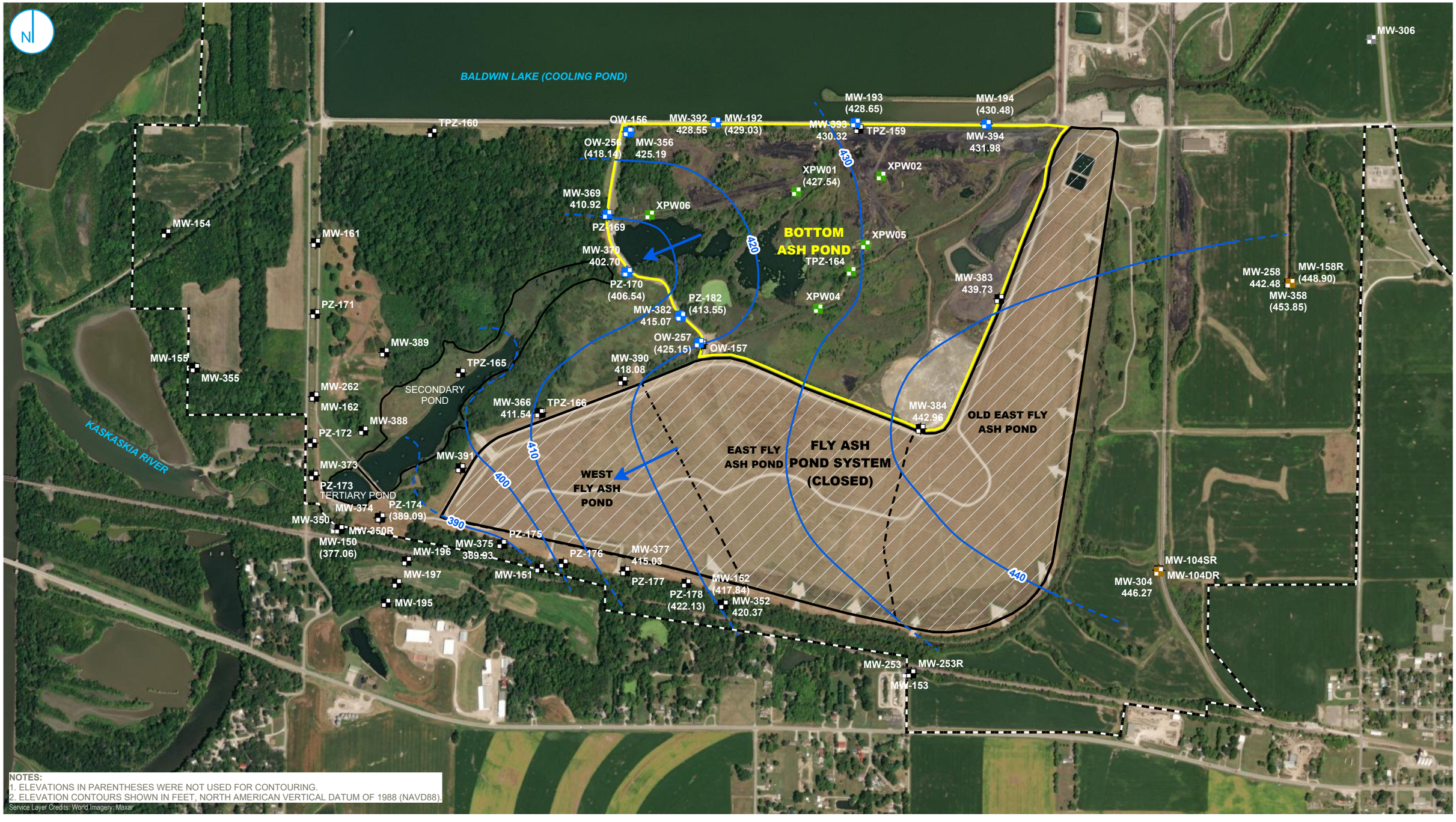
POTENTIOMETRIC SURFACE MAP
MAY 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 8

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

COMPLIANCE MONITORING WELL
BACKGROUND MONITORING WELL
MONITORING WELL
PORE WATER WELL
CLOSED MONITORING WELL

GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
INFERRED GROUNDWATER ELEVATION CONTOUR
GROUNDWATER FLOW DIRECTION

REGULATED UNIT (SUBJECT UNIT)
FLY ASH POND SYSTEM (CLOSED)
SITE FEATURE
CAPPED AREA
PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP JUNE 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

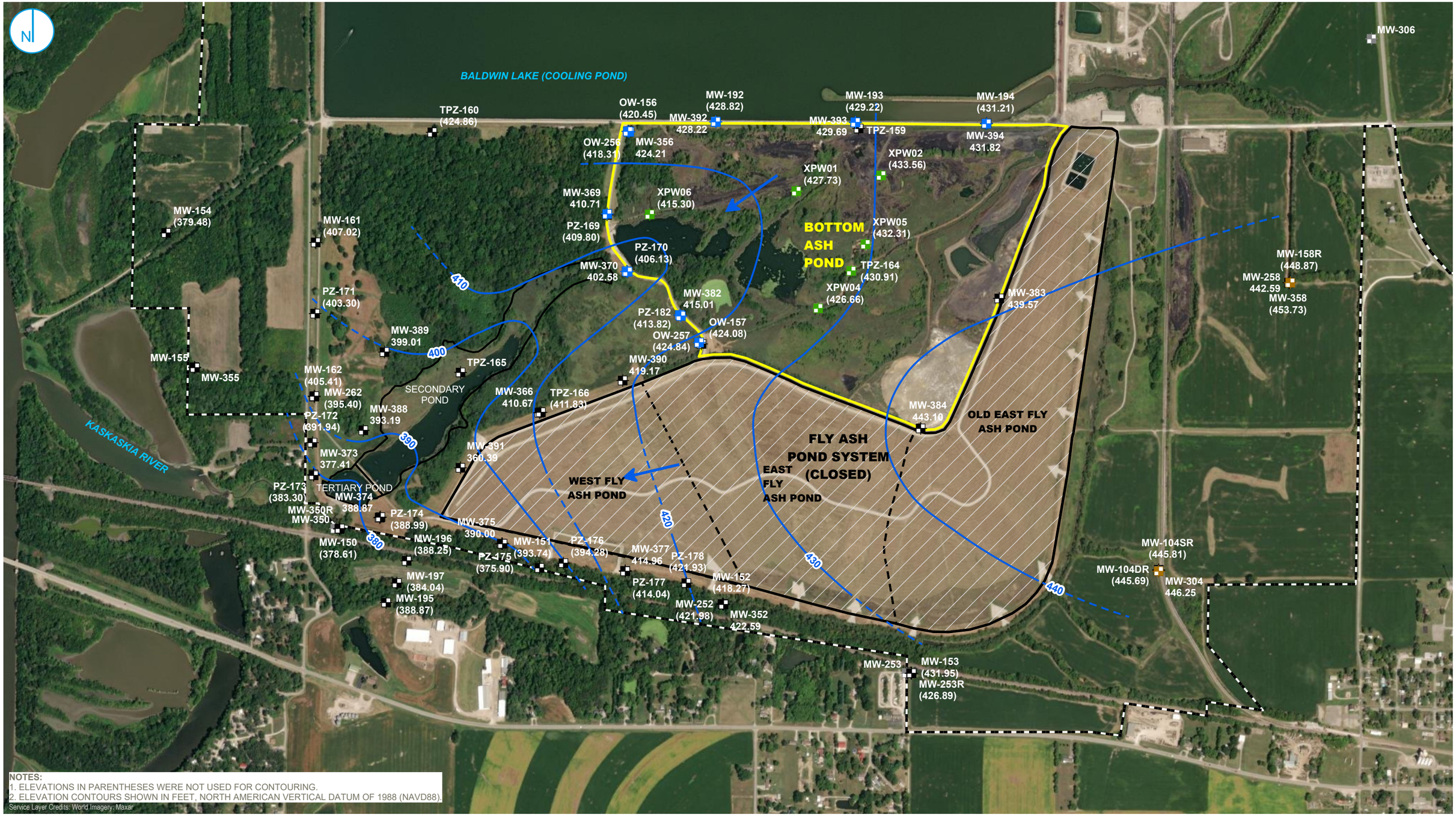
FIGURE 9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\2212285\MXD\GW_ContoursRound_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240615



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP JULY 15, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

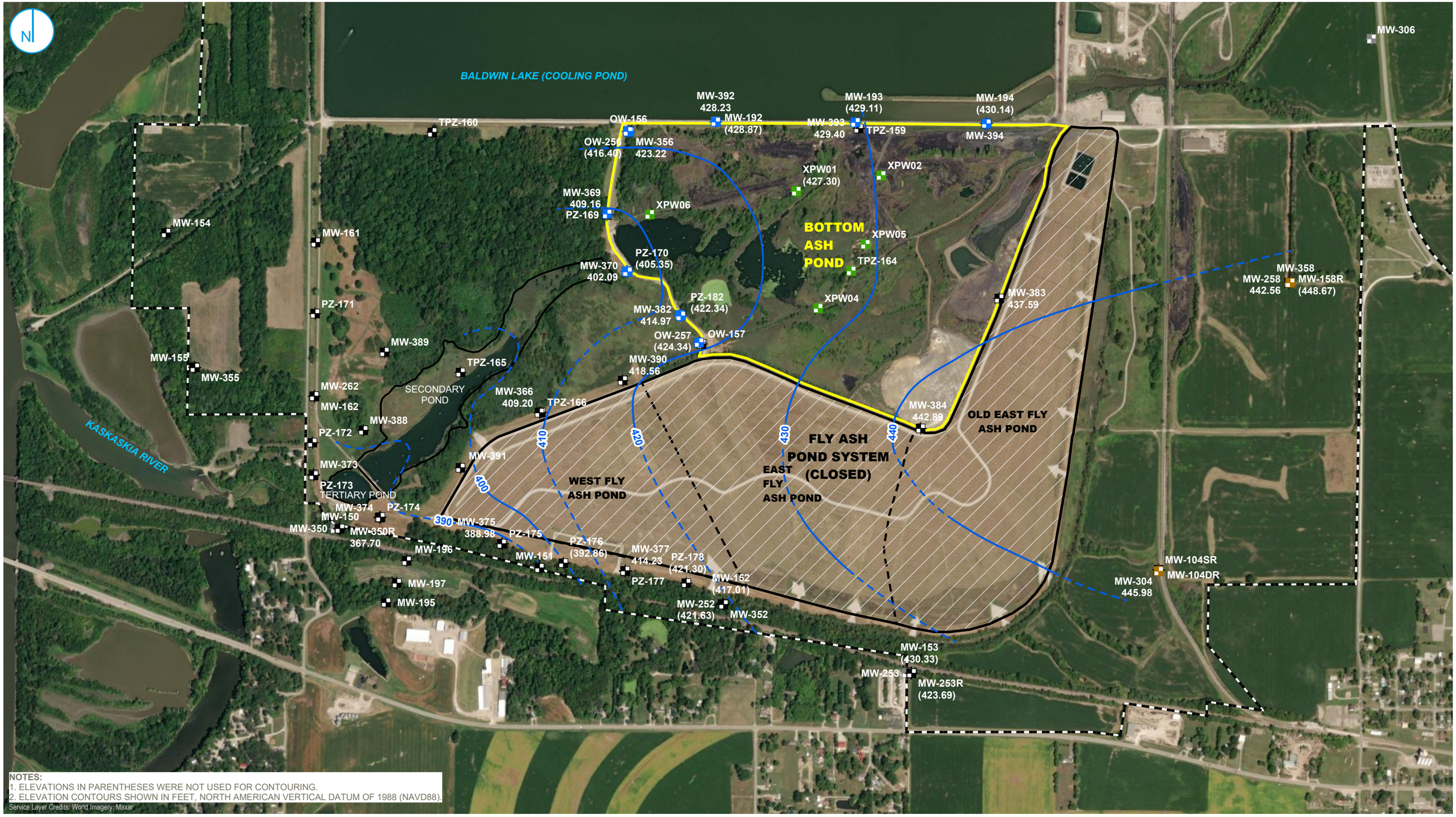
FIGURE 10

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_ContoursRound_2024\BaldwinBAP_601BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240715



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP AUGUST 14, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 11

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\2212285\MXD\GW_ContoursRound_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20240814
PROJECT: 169000XXXX | DATED: 1/27/2025 | DESIGNER: GALARNMC

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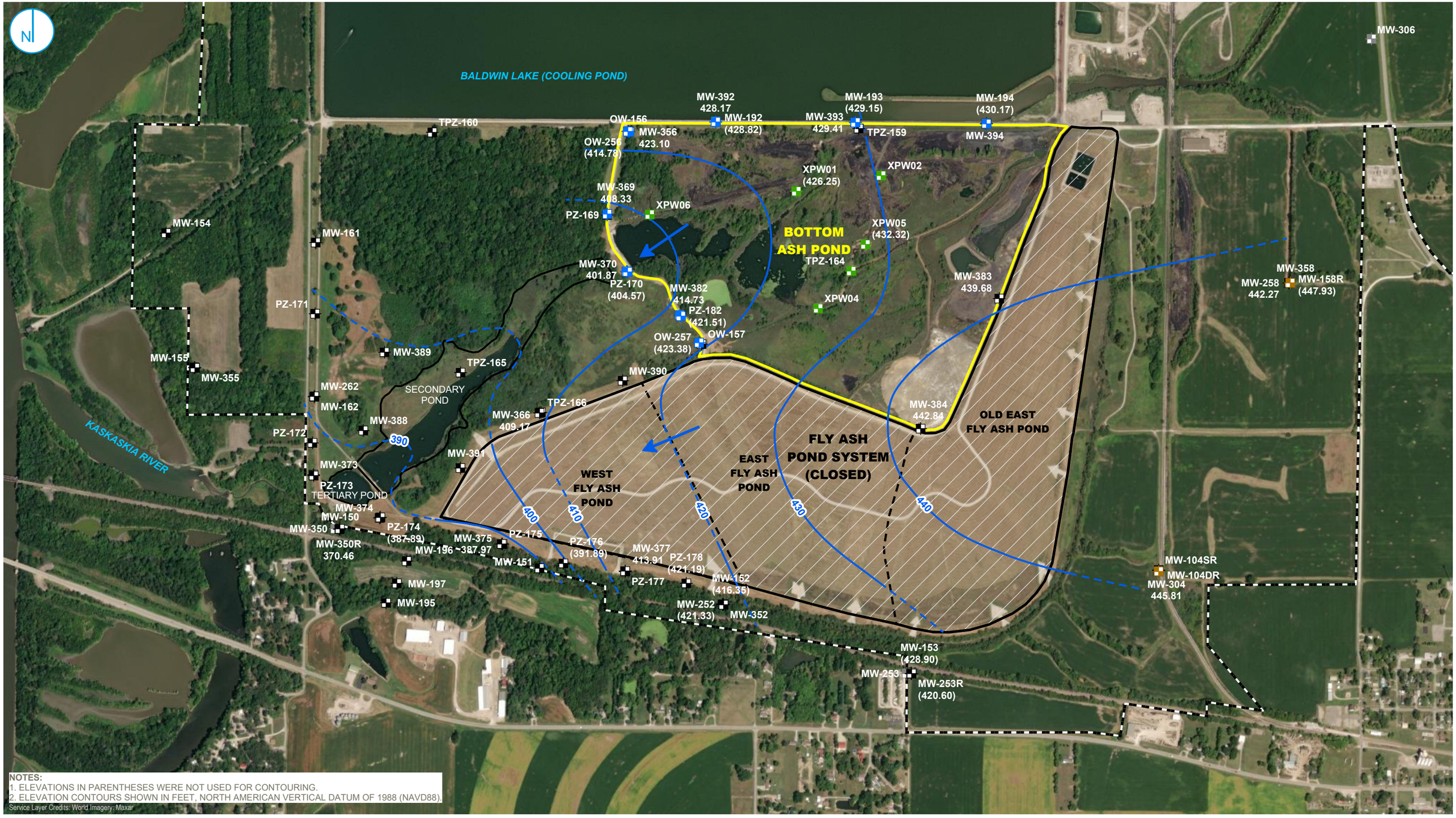
PROJECT: 169000XXXX | DATED: 1/16/2025 | DESIGNER: GALARNMC



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

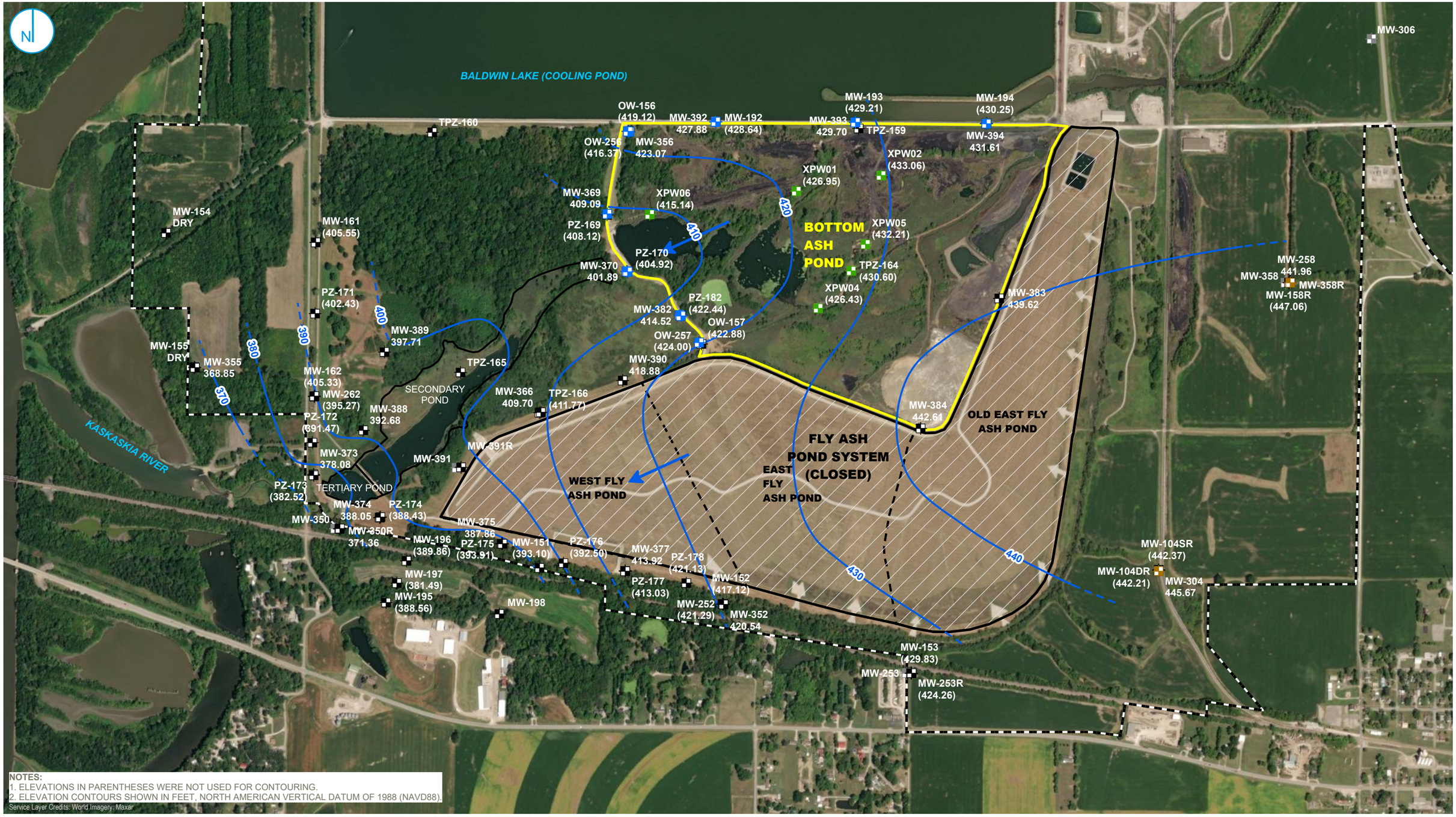
POTENTIOMETRIC SURFACE MAP SEPTEMBER 14, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 12

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP OCTOBER 14, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

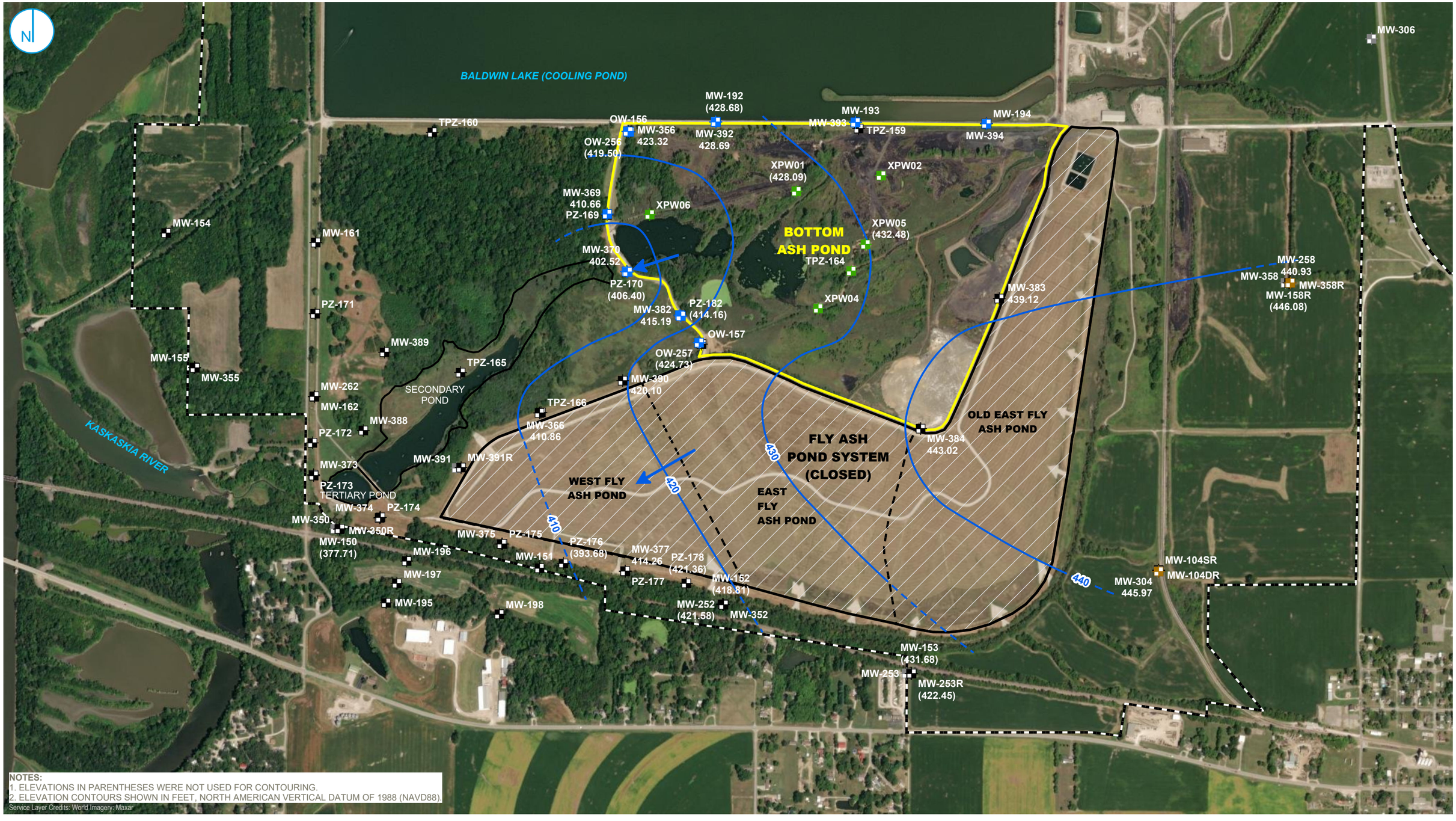
FIGURE 13

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXX | DATED: 1/16/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_ContoursRound_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20241014



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

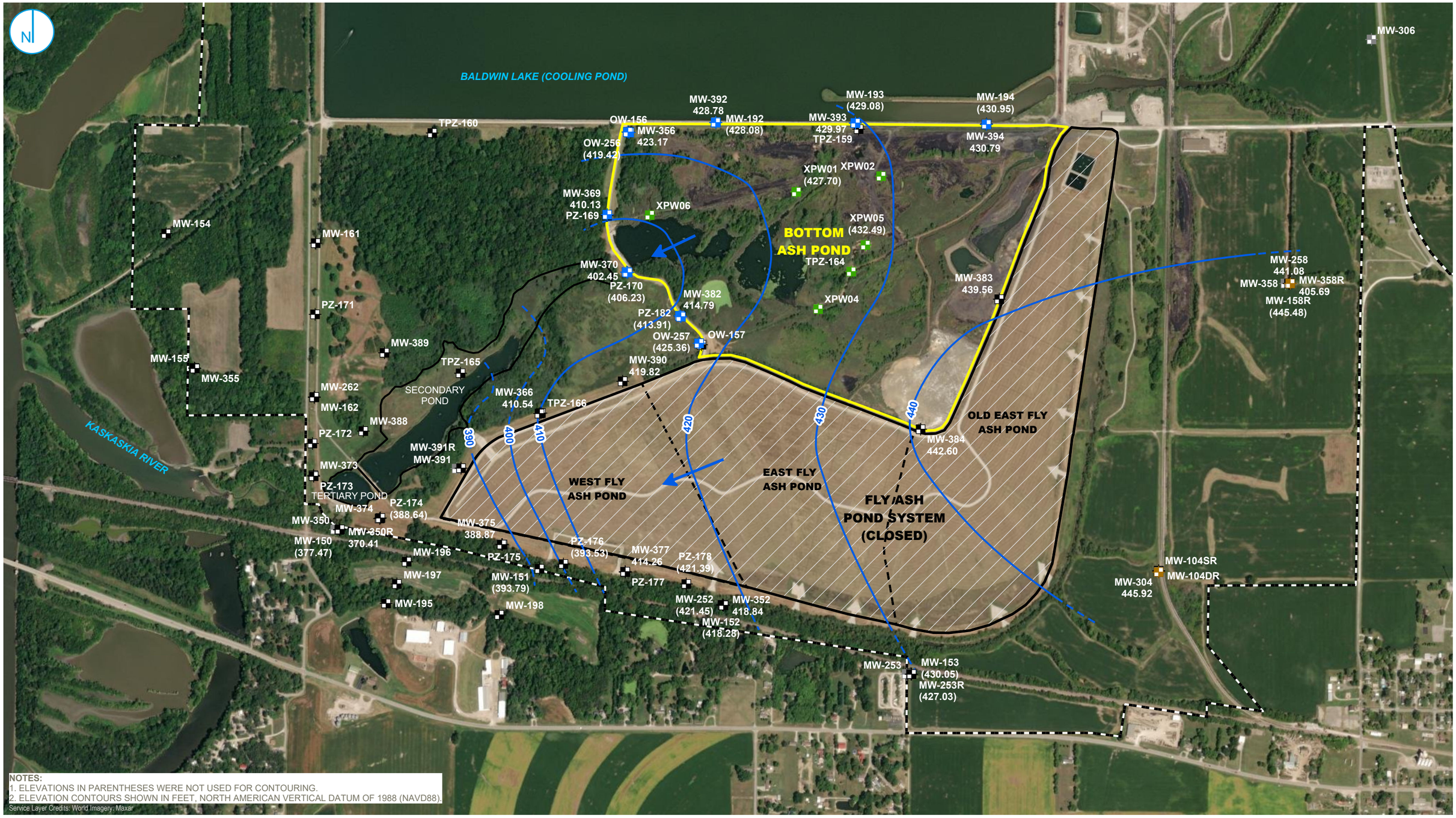
POTENTIOMETRIC SURFACE MAP
NOVEMBER 10, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 14

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

Y:\Mapping\Projects\221228\MXD\GW_ContoursRound_2024\Baldwin\BAP_601\BAL_601_BAP_2024.aprx\BAL 601 BAP Pot Surface 20241210

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

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- PORE WATER WELL
- CLOSED MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (10-FT CONTOUR INTERVAL, NAVD88)
- INFERRED GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- REGULATED UNIT (SUBJECT UNIT)
- FLY ASH POND SYSTEM (CLOSED)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP
DECEMBER 10 AND 11, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BOTTOM ASH POND
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 15

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-192	Compliance	UU	01/10/2024	8.53	428.58
MW-192	Compliance	UU	02/05/2024	8.32	428.79
MW-192	Compliance	UU	03/15/2024	8.19	428.91
MW-192	Compliance	UU	04/15/2024	8.17	428.94
MW-192	Compliance	UU	05/15/2024	8.04	429.07
MW-192	Compliance	UU	06/15/2024	8.07	429.03
MW-192	Compliance	UU	07/15/2024	8.29	428.82
MW-192	Compliance	UU	08/14/2024	8.18	428.87
MW-192	Compliance	UU	09/14/2024	8.23	428.82
MW-192	Compliance	UU	10/14/2024	8.42	428.64
MW-192	Compliance	UU	11/10/2024	8.37	428.68
MW-192	Compliance	UU	12/10/2024	8.98	428.08
MW-193	Compliance	UU	01/10/2024	9.13	429.10
MW-193	Compliance	UU	02/05/2024	8.94	429.29
MW-193	Compliance	UU	03/15/2024	8.93	429.29
MW-193	Compliance	UU	04/15/2024	8.89	429.34
MW-193	Compliance	UU	05/15/2024	9.52	428.70
MW-193	Compliance	UU	06/15/2024	9.57	428.65
MW-193	Compliance	UU	07/15/2024	9.01	429.22
MW-193	Compliance	UU	08/14/2024	9.06	429.11
MW-193	Compliance	UU	09/14/2024	9.02	429.15
MW-193	Compliance	UU	10/14/2024	8.97	429.21
MW-193	Compliance	UU	11/10/2024	DM[7]	
MW-193	Compliance	UU	12/10/2024	9.10	429.08
MW-304	Background	UA	01/10/2024	9.70	445.66
MW-304	Background	UA	02/05/2024	9.52	445.84
MW-304	Background	UA	03/15/2024	9.28	446.07
MW-304	Background	UA	04/15/2024	9.26	446.10
MW-304	Background	UA	05/15/2024	8.93	446.42
MW-304	Background	UA	06/15/2024	9.08	446.27
MW-304	Background	UA	07/15/2024	9.11	446.25
MW-304	Background	UA	08/14/2024	9.32	445.98
MW-304	Background	UA	09/14/2024	9.49	445.81
MW-304	Background	UA	10/14/2024	9.64	445.67
MW-304	Background	UA	11/10/2024	9.33	445.97
MW-304	Background	UA	12/10/2024	9.39	445.92
MW-306	Background	UA	01/10/2024	17.89	435.45
MW-306	Background	UA	02/05/2024	17.76	435.58
MW-306	Background	UA	03/15/2024	17.50	435.83
MW-306	Background	UA	04/15/2024	17.54	435.80
MW-356	Compliance	UA	01/10/2024	4.85	422.92
MW-356	Compliance	UA	02/05/2024	4.77	423.00
MW-356	Compliance	UA	03/15/2024	4.65	423.11
MW-356	Compliance	UA	04/15/2024	4.64	423.13
MW-356	Compliance	UA	05/15/2024	2.56	425.20
MW-356	Compliance	UA	06/15/2024	2.57	425.19

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-356	Compliance	UA	07/15/2024	3.56	424.21
MW-356	Compliance	UA	08/14/2024	4.56	423.22
MW-356	Compliance	UA	09/14/2024	4.68	423.10
MW-356	Compliance	UA	10/14/2024	4.72	423.07
MW-356	Compliance	UA	11/10/2024	4.46	423.32
MW-356	Compliance	UA	12/10/2024	4.62	423.17
MW-358	Background	UA	01/10/2024	7.55	448.35
MW-358	Background	UA	02/05/2024	5.71	450.19
MW-358	Background	UA	03/15/2024	5.55	450.34
MW-358	Background	UA	04/15/2024	3.81	452.09
MW-358	Background	UA	05/15/2024	1.09	454.79
MW-358	Background	UA	06/15/2024	2.04	453.85
MW-358	Background	UA	07/15/2024	2.17	453.73
MW-358R	Background	UA	10/14/2024	DM[3]	
MW-358R	Background	UA	11/10/2024	DM[1]	
MW-358R	Background	UA	12/10/2024	50.43	NA
MW-369	Compliance	UA	01/10/2024	13.14	409.74
MW-369	Compliance	UA	02/05/2024	11.98	410.90
MW-369	Compliance	UA	03/15/2024	11.69	411.18
MW-369	Compliance	UA	04/15/2024	10.43	412.45
MW-369	Compliance	UA	05/15/2024	10.01	412.86
MW-369	Compliance	UA	06/15/2024	11.95	410.92
MW-369	Compliance	UA	07/15/2024	12.17	410.71
MW-369	Compliance	UA	08/14/2024	13.53	409.16
MW-369	Compliance	UA	09/14/2024	14.36	408.33
MW-369	Compliance	UA	10/14/2024	13.61	409.09
MW-369	Compliance	UA	11/10/2024	12.03	410.66
MW-369	Compliance	UA	12/10/2024	12.57	410.13
MW-370	Compliance	UA	01/10/2024	18.43	402.59
MW-370	Compliance	UA	02/05/2024	18.19	402.83
MW-370	Compliance	UA	03/15/2024	18.01	403.00
MW-370	Compliance	UA	04/15/2024	18.00	403.02
MW-370	Compliance	UA	05/15/2024	17.98	403.03
MW-370	Compliance	UA	06/15/2024	18.31	402.70
MW-370	Compliance	UA	07/15/2024	18.44	402.58
MW-370	Compliance	UA	08/14/2024	18.67	402.09
MW-370	Compliance	UA	09/14/2024	18.89	401.87
MW-370	Compliance	UA	10/14/2024	18.88	401.89
MW-370	Compliance	UA	11/10/2024	18.24	402.52
MW-370	Compliance	UA	12/10/2024	18.32	402.45
MW-382	Compliance	UA	01/10/2024	17.27	414.09
MW-382	Compliance	UA	02/05/2024	16.68	414.68
MW-382	Compliance	UA	03/15/2024	16.49	414.86
MW-382	Compliance	UA	04/15/2024	16.46	414.90
MW-382	Compliance	UA	05/15/2024	16.15	415.20
MW-382	Compliance	UA	06/15/2024	16.28	415.07

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2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-382	Compliance	UA	07/15/2024	16.35	415.01
MW-382	Compliance	UA	08/14/2024	16.13	414.97
MW-382	Compliance	UA	09/14/2024	16.37	414.73
MW-382	Compliance	UA	10/14/2024	16.59	414.52
MW-382	Compliance	UA	11/10/2024	15.91	415.19
MW-382	Compliance	UA	12/10/2024	16.32	414.79
MW-392	Compliance	UA	01/10/2024	9.25	427.94
MW-392	Compliance	UA	02/05/2024	8.97	428.22
MW-392	Compliance	UA	03/15/2024	8.53	428.66
MW-392	Compliance	UA	04/15/2024	8.80	428.39
MW-392	Compliance	UA	05/15/2024	8.57	428.61
MW-392	Compliance	UA	06/15/2024	8.64	428.55
MW-392	Compliance	UA	07/15/2024	8.97	428.22
MW-392	Compliance	UA	08/14/2024	8.85	428.23
MW-392	Compliance	UA	09/14/2024	8.91	428.17
MW-392	Compliance	UA	10/14/2024	9.21	427.88
MW-392	Compliance	UA	11/10/2024	8.39	428.69
MW-392	Compliance	UA	12/10/2024	8.31	428.78
MW-393	Compliance	UA	01/10/2024	8.44	429.59
MW-393	Compliance	UA	02/05/2024	8.29	429.74
MW-393	Compliance	UA	03/15/2024	8.56	429.47
MW-393	Compliance	UA	04/15/2024	8.27	429.76
MW-393	Compliance	UA	05/15/2024	7.75	430.27
MW-393	Compliance	UA	06/15/2024	7.70	430.32
MW-393	Compliance	UA	07/15/2024	8.34	429.69
MW-393	Compliance	UA	08/14/2024	8.62	429.40
MW-393	Compliance	UA	09/14/2024	8.61	429.41
MW-393	Compliance	UA	10/14/2024	8.33	429.70
MW-393	Compliance	UA	11/10/2024	DM[7]	
MW-393	Compliance	UA	12/10/2024	8.06	429.97
MW-394	Compliance	UA	01/10/2024	6.78	431.68
MW-394	Compliance	UA	02/05/2024	6.72	431.74
MW-394	Compliance	UA	03/15/2024	7.06	431.40
MW-394	Compliance	UA	04/15/2024	6.60	431.86
MW-394	Compliance	UA	05/15/2024	6.19	432.26
MW-394	Compliance	UA	06/15/2024	6.47	431.98
MW-394	Compliance	UA	07/15/2024	6.64	431.82
MW-394	Compliance	UA	08/14/2024	DM[7]	
MW-394	Compliance	UA	09/14/2024	DM[7]	
MW-394	Compliance	UA	10/14/2024	6.79	431.61
MW-394	Compliance	UA	11/10/2024	DM[7]	
MW-394	Compliance	UA	12/10/2024	7.61	430.79
OW-256	Compliance	PMP	01/10/2024	10.85	417.02
OW-256	Compliance	PMP	02/05/2024	9.45	418.42
OW-256	Compliance	PMP	03/15/2024	8.85	419.01
OW-256	Compliance	PMP	04/15/2024	7.55	420.32

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GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
OW-256	Compliance	PMP	05/15/2024	6.18	421.68
OW-256	Compliance	PMP	06/15/2024	9.72	418.14
OW-256	Compliance	PMP	07/15/2024	9.56	418.31
OW-256	Compliance	PMP	08/14/2024	11.72	416.40
OW-256	Compliance	PMP	09/14/2024	13.34	414.78
OW-256	Compliance	PMP	10/14/2024	11.76	416.37
OW-256	Compliance	PMP	11/10/2024	8.62	419.50
OW-256	Compliance	PMP	12/10/2024	8.71	419.42
OW-257	Compliance	PMP	01/10/2024	6.72	424.47
OW-257	Compliance	PMP	02/05/2024	6.19	425.00
OW-257	Compliance	PMP	03/15/2024	5.74	425.44
OW-257	Compliance	PMP	04/15/2024	5.54	425.65
OW-257	Compliance	PMP	05/15/2024	5.28	425.90
OW-257	Compliance	PMP	06/15/2024	6.03	425.15
OW-257	Compliance	PMP	07/15/2024	6.35	424.84
OW-257	Compliance	PMP	08/14/2024	6.76	424.34
OW-257	Compliance	PMP	09/14/2024	7.72	423.38
OW-257	Compliance	PMP	10/14/2024	7.11	424.00
OW-257	Compliance	PMP	11/10/2024	6.37	424.73
OW-257	Compliance	PMP	12/10/2024	5.75	425.36
PZ-170	Compliance	PMP	01/10/2024	15.90	405.37
PZ-170	Compliance	PMP	02/05/2024	15.43	405.84
PZ-170	Compliance	PMP	03/15/2024	14.97	406.29
PZ-170	Compliance	PMP	04/15/2024	14.17	407.10
PZ-170	Compliance	PMP	05/15/2024	13.51	407.75
PZ-170	Compliance	PMP	06/15/2024	14.72	406.54
PZ-170	Compliance	PMP	07/15/2024	15.14	406.13
PZ-170	Compliance	PMP	08/14/2024	15.71	405.35
PZ-170	Compliance	PMP	09/14/2024	16.49	404.57
PZ-170	Compliance	PMP	10/14/2024	16.15	404.92
PZ-170	Compliance	PMP	11/10/2024	14.66	406.40
PZ-170	Compliance	PMP	12/10/2024	14.84	406.23
PZ-182	Compliance	PMP	01/10/2024	18.53	413.25
PZ-182	Compliance	PMP	02/05/2024	17.84	413.94
PZ-182	Compliance	PMP	03/15/2024	17.59	414.18
PZ-182	Compliance	PMP	04/15/2024	16.92	414.86
PZ-182	Compliance	PMP	05/15/2024	16.26	415.51
PZ-182	Compliance	PMP	06/15/2024	18.22	413.55
PZ-182	Compliance	PMP	07/15/2024	17.96	413.82
PZ-182	Compliance	PMP	08/14/2024	8.98	422.34
PZ-182	Compliance	PMP	09/14/2024	9.81	421.51
PZ-182	Compliance	PMP	10/14/2024	8.89	422.44
PZ-182	Compliance	PMP	11/10/2024	17.16	414.16
PZ-182	Compliance	PMP	12/10/2024	17.42	413.91
TPZ-164	Water Level	CCR	01/10/2024	DM³	
TPZ-164	Water Level	CCR	02/05/2024	DM³	

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GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
TPZ-164	Water Level	CCR	03/15/2024	DM[3]	
TPZ-164	Water Level	CCR	04/15/2024	3.66	431.61
TPZ-164	Water Level	CCR	05/15/2024	DM[1]	
TPZ-164	Water Level	CCR	06/15/2024	DM[1]	
TPZ-164	Water Level	CCR	07/15/2024	4.36	430.91
TPZ-164	Water Level	CCR	08/14/2024	DM[1]	
TPZ-164	Water Level	CCR	09/14/2024	DM[1]	
TPZ-164	Water Level	CCR	10/14/2024	4.45	430.60
TPZ-164	Water Level	CCR	11/10/2024	DM[1]	
TPZ-164	Water Level	CCR	12/10/2024	DM[1]	
XPW01	Water Level	CCR	01/10/2024	10.52	427.31
XPW01	Water Level	CCR	02/05/2024	9.82	428.01
XPW01	Water Level	CCR	03/15/2024	9.96	427.86
XPW01	Water Level	CCR	04/15/2024	9.70	428.13
XPW01	Water Level	CCR	05/15/2024	9.78	428.04
XPW01	Water Level	CCR	06/15/2024	10.27	427.54
XPW01	Water Level	CCR	07/15/2024	10.10	427.73
XPW01	Water Level	CCR	08/14/2024	10.48	427.30
XPW01	Water Level	CCR	09/14/2024	11.53	426.25
XPW01	Water Level	CCR	10/14/2024	10.84	426.95
XPW01	Water Level	CCR	11/10/2024	9.69	428.09
XPW01	Water Level	CCR	12/10/2024	10.09	427.70
XPW05	Water Level	CCR	01/10/2024	DM[3]	
XPW05	Water Level	CCR	02/05/2024	DM[3]	
XPW05	Water Level	CCR	03/15/2024	DM[1]	
XPW05	Water Level	CCR	04/15/2024	4.56	432.88
XPW05	Water Level	CCR	05/15/2024	DM[1]	
XPW05	Water Level	CCR	06/15/2024	DM[1]	
XPW05	Water Level	CCR	07/15/2024	5.13	432.31
XPW05	Water Level	CCR	08/14/2024	DM[1]	
XPW05	Water Level	CCR	09/14/2024	5.01	432.32
XPW05	Water Level	CCR	10/14/2024	5.12	432.21
XPW05	Water Level	CCR	11/10/2024	4.84	432.48
XPW05	Water Level	CCR	12/10/2024	4.84	432.49
XPW06	Water Level	CCR	01/10/2024	DM[1]	
XPW06	Water Level	CCR	02/05/2024	2.62	415.27
XPW06	Water Level	CCR	03/15/2024	DM[1]	
XPW06	Water Level	CCR	04/15/2024	1.21	416.68
XPW06	Water Level	CCR	05/15/2024	DM[1]	
XPW06	Water Level	CCR	06/15/2024	DM[1]	
XPW06	Water Level	CCR	07/15/2024	2.59	415.30
XPW06	Water Level	CCR	08/14/2024	DM[1]	
XPW06	Water Level	CCR	09/14/2024	DM[1]	
XPW06	Water Level	CCR	10/14/2024	2.59	415.14
XPW06	Water Level	CCR	11/10/2024	DM[1]	
XPW06	Water Level	CCR	12/10/2024	DM[1]	

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GROUNDWATER ELEVATION DATA
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):

- DM[1] = Depth to water was not measured.
- DM[2] = Depth to water was not measured because water was above or below the staff gage markings.
- DM[3] = Depth to water was not measured because the location was inaccessible.
- DM[4] = Depth to water was not measured because water level was below the top of the pump.
- DM[5] = Depth to water was not measured because water level was above the top of casing (artesian well).
- DM[6] = Depth to water was not measured because of damage to the well.
- DM[7] = Depth to water was not measured due to required pressure transducer maintenance.
- DM[8] = Lab provided groundwater elevation data and not depth to water.

NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:

- CCR = coal combustion residuals
- PMP = potential migration pathway
- UA = uppermost aquifer
- UU = upper unit

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ATTACHMENT B
ALTERNATIVE SOURCE DEMONSTRATION IEPA RESPONSE LETTER

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 · (217) 782-3397
JB PRITZKER, GOVERNOR
JOHN J. KIM, DIRECTOR

217-782-1020

March 7, 2024

Phil Morris
Illinois Power Generating Company
1500 Eastport Plaza Drive
Collinsville, Illinois 62234

Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06
Alternative Source Demonstration (ASD) Submittal

Dear Mr. Morris:

The purpose of this correspondence is to notify you that the Illinois Environmental Protection Agency (Illinois EPA) concurs with the Baldwin Power Plant Bottom Ash Pond Alternative Source Demonstration dated February 8, 2024.

Based on the provided evidence, the Illinois EPA concurs that the pH exceedances found in PZ-182 does not come from the Baldwin Power Plant Bottom Ash Pond. The Illinois EPA also concurs that the exceedance was due to sampling error. Therefore, the groundwater monitoring may continue in accordance with Section 845.650(e)(5). The ASD provided must be included in the annual groundwater monitoring report and the corrective action report as required by Section 845.610(e).

If you have any questions, please contact: **Heather Mullenax** Illinois EPA, Bureau of Water, Groundwater Section DPWS #13, P.O. Box 19276, Springfield, Illinois 62794-9276. If you have any questions concerning the investigation described above, please call 217-782-1020.

Sincerely,

Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency

cc: Heather Mullenax
Lauren Hunt
Anwar Azeem
Records Files 06M

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 · (217) 782-3397
JB PRITZKER, GOVERNOR **JAMES JENNINGS**, INTERIM DIRECTOR

217-782-1020

August 8, 2024

Phil Morris
Illinois Power Generating Company
1500 Eastport Plaza Drive
Collinsville, Illinois 62234

Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06
Alternative Source Demonstration (ASD) Submittal

Dear Mr. Morris:

The purpose of this correspondence is to notify you that the Illinois Environmental Protection Agency (Illinois EPA) concurs with the Baldwin Power Plant Bottom Ash Pond Alternative Source Demonstration dated July 8, 2024.

Based on the provided evidence, the Illinois EPA concurs that the lithium exceedance found in MW-370 does not come from the Baldwin Power Plant Bottom Ash Pond. The Illinois EPA also concurs that the likely source of the exceedance come from shale bedrock. Therefore, the groundwater monitoring may continue in accordance with Section 845.650(e)(5). The ASD provided must be included in the annual groundwater monitoring report and the corrective action report as required by Section 845.610(e).

If you have any questions, please contact: **Heather Mullenax** Illinois EPA, Bureau of Water, Groundwater Section DPWS #13, P.O. Box 19276, Springfield, Illinois 62794-9276. If you have any questions concerning the investigation described above, please call 217-782-1020.

Sincerely,

Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency

cc: Heather Mullenax
Anwar Azeem
Records Files 06M - W1578510001-06

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 · (217) 782-3397
JB PRITZKER, GOVERNOR JAMES JENNINGS, ACTING DIRECTOR

217-782-1020

October 3, 2024

Phil Morris
Illinois Power Generating Company
1500 Eastport Plaza Drive
Collinsville, Illinois 62234

Re: Baldwin Power Plant Bottom Ash Pond; W1578510001-06
Alternative Source Demonstration Submittal

Dear Mr. Morris:

The purpose of this correspondence is to notify you that the Illinois Environmental Protection Agency (Illinois EPA) does not concur with the Baldwin Power Plant Bottom Ash Pond Alternative Source Demonstration (ASD) for arsenic on September 17, 2024. The Illinois EPA does not concur due to the following data gaps:

- Characterization to include sample and analysis in accordance with 35 IAC 845.640 of alternative source must be provided with the ASD.
  - 35 IAC 845.640(a) requires evidence of field collection methods and field and laboratory quality control and quality assurance.
  - 35 IAC 845.650(e) requires alternative source data as evidence of the alternative source, see item 1(a)(i) above. SW846 chapter 1, incorporated by reference in 35 IAC 845, states that regulatory decisions must be made with environmental data.

If you have any questions, please contact: **Heather Mullenax** Illinois EPA, Bureau of Water, WPC #15, P.O. Box 19276, Springfield, Illinois 62794-9276. If you have any questions concerning the investigation described above, please call 217-782-1020.

Sincerely,

Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency

ATTACHMENT C
COMPARISON TO BACKGROUND

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-192	UU	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.001	0.00230
MW-192	UU	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	27	CI around geomean	0.00141	0.00578
MW-192	UU	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0916	0.261
MW-192	UU	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-192	UU	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.0279	2.23
MW-192	UU	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-192	UU	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	12.1	1,370
MW-192	UU	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.0015	0.0125
MW-192	UU	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	36	CI around mean	0.00102	0.00220
MW-192	UU	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.412	3.36
MW-192	UU	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.00220
MW-192	UU	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	9	CB around linear reg	-0.028	0.123
MW-192	UU	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.0002
MW-192	UU	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.0018	0.0782
MW-192	UU	E004	pH (field)	SU	10/27/22 - 02/06/24	11	0	CI around mean	6.7/7.0	7.3/8.4
MW-192	UU	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.4	4.14
MW-192	UU	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.00320
MW-192	UU	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	-7.08	228
MW-192	UU	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002
MW-192	UU	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CB around T-S line	-21.1	3,260
MW-193	UU	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.00230
MW-193	UU	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	18	CB around T-S line	-0.00357	0.00578
MW-193	UU	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	0.0743	0.261
MW-193	UU	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-193	UU	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	9	CI around mean	0.0358	2.23
MW-193	UU	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-193	UU	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	30.7	1,370

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BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-193	UU	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.0015	0.0125
MW-193	UU	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	91	Most recent sample	0.001	0.00220
MW-193	UU	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.244	3.36
MW-193	UU	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.00220
MW-193	UU	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	18	CI around mean	0.00455	0.123
MW-193	UU	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.0002
MW-193	UU	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.0015	0.0782
MW-193	UU	E004	pH (field)	SU	10/27/22 - 02/06/24	11	0	CI around mean	6.7/7.1	7.3/8.4
MW-193	UU	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.422	4.14
MW-193	UU	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.00320
MW-193	UU	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	153	228
MW-193	UU	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002
MW-193	UU	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	540	3,260
MW-356	UA	E004	Antimony, total	mg/L	12/29/15 - 02/07/24	26	88	CI around median	0.001	0.00230
MW-356	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/07/24	29	83	CI around median	0.001	0.00578
MW-356	UA	E004	Barium, total	mg/L	12/29/15 - 02/07/24	29	0	CI around median	0.0299	0.261
MW-356	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.001	0.001
MW-356	UA	E004	Boron, total	mg/L	12/29/15 - 02/07/24	30	0	CI around median	1.94	2.23
MW-356	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.001	0.001
MW-356	UA	E004	Chloride, total	mg/L	12/29/15 - 02/07/24	30	0	CB around linear reg	27.5	1,370
MW-356	UA	E004	Chromium, total	mg/L	12/29/15 - 02/07/24	28	100	All ND - Last	0.0015	0.0125
MW-356	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/07/24	27	100	All ND - Last	0.001	0.00220
MW-356	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/07/24	30	0	CB around linear reg	1.98	3.36
MW-356	UA	E004	Lead, total	mg/L	12/29/15 - 02/07/24	27	96	CI around median	0.001	0.00220
MW-356	UA	E004	Lithium, total	mg/L	12/29/15 - 02/07/24	29	0	CI around geomean	0.0526	0.123
MW-356	UA	E004	Mercury, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.0002	0.0002
MW-356	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/07/24	29	62	CI around median	0.0015	0.0782

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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-356	UA	E004	pH (field)	SU	12/29/15 - 02/07/24	30	0	CI around median	7.7/7.8	7.3/8.4
MW-356	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/07/24	29	0	CI around median	0.12	4.14
MW-356	UA	E004	Selenium, total	mg/L	12/29/15 - 02/07/24	26	100	All ND - Last	0.001	0.00320
MW-356	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/07/24	30	0	CI around mean	44.2	228
MW-356	UA	E004	Thallium, total	mg/L	12/29/15 - 02/07/24	24	100	All ND - Last	0.002	0.002
MW-356	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/07/24	29	0	CI around mean	659	3,260
MW-369	UA	E004	Antimony, total	mg/L	12/29/15 - 02/06/24	20	80	CB around T-S line	-0.000392	0.00230
MW-369	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/06/24	23	13	CI around geomean	0.00147	0.00578
MW-369	UA	E004	Barium, total	mg/L	12/29/15 - 02/06/24	23	0	CB around T-S line	0.0618	0.261
MW-369	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-369	UA	E004	Boron, total	mg/L	12/29/15 - 02/06/24	24	0	CB around linear reg	-0.159	2.23
MW-369	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-369	UA	E004	Chloride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around geomean	86.7	1,370
MW-369	UA	E004	Chromium, total	mg/L	12/29/15 - 02/06/24	22	91	CB around T-S line	0.001	0.0125
MW-369	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/06/24	21	81	CI around median	0.001	0.00220
MW-369	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around geomean	1.03	3.36
MW-369	UA	E004	Lead, total	mg/L	12/29/15 - 02/06/24	21	95	CI around median	0.001	0.00220
MW-369	UA	E004	Lithium, total	mg/L	12/29/15 - 02/06/24	23	4	CI around mean	0.0211	0.123
MW-369	UA	E004	Mercury, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.0002	0.0002
MW-369	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/06/24	23	4	CB around T-S line	-0.00721	0.0782
MW-369	UA	E004	pH (field)	SU	12/29/15 - 02/06/24	24	0	CI around mean	7.4/8.1	7.3/8.4
MW-369	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	23	0	CI around mean	0.433	4.14
MW-369	UA	E004	Selenium, total	mg/L	12/29/15 - 02/06/24	20	65	CB around T-S line	-0.0135	0.00320
MW-369	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/06/24	24	0	CB around T-S line	-54.4	228
MW-369	UA	E004	Thallium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.002	0.002
MW-369	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/06/24	24	0	CI around median	726	3,260
MW-370	UA	E004	Antimony, total	mg/L	12/29/15 - 02/06/24	26	77	CB around T-S line	-0.000153	0.00230

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COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-370	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/06/24	29	59	CB around T-S line	0.00016	0.00578
MW-370	UA	E004	Barium, total	mg/L	12/29/15 - 02/06/24	29	0	CB around T-S line	0.0266	0.261
MW-370	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.001	0.001
MW-370	UA	E004	Boron, total	mg/L	12/29/15 - 02/06/24	30	0	CI around median	1.77	2.23
MW-370	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.001	0.001
MW-370	UA	E004	Chloride, total	mg/L	12/29/15 - 02/06/24	30	0	CB around linear reg	1,390	1,370
MW-370	UA	E004	Chromium, total	mg/L	12/29/15 - 02/06/24	28	96	CB around T-S line	0.0015	0.0125
MW-370	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/06/24	27	96	CI around median	0.001	0.00220
MW-370	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/06/24	30	0	CB around linear reg	3.05	3.36
MW-370	UA	E004	Lead, total	mg/L	12/29/15 - 02/06/24	27	100	All ND - Last	0.001	0.00220
MW-370	UA	E004	Lithium, total	mg/L	12/29/15 - 02/06/24	29	0	CI around mean	0.131	0.123
MW-370	UA	E004	Mercury, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.0002	0.0002
MW-370	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/06/24	29	3	CB around T-S line	0.00288	0.0782
MW-370	UA	E004	pH (field)	SU	12/29/15 - 02/06/24	30	0	CB around T-S line	7.3/7.5	7.3/8.4
MW-370	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	29	0	CI around geomean	0.558	4.14
MW-370	UA	E004	Selenium, total	mg/L	12/29/15 - 02/06/24	26	96	Most recent sample	0.001	0.00320
MW-370	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/06/24	30	0	CI around mean	249	228
MW-370	UA	E004	Thallium, total	mg/L	12/29/15 - 02/06/24	24	100	All ND - Last	0.002	0.002
MW-370	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/06/24	30	0	CB around linear reg	2,970	3,260
MW-382	UA	E004	Antimony, total	mg/L	12/29/15 - 02/06/24	20	100	All ND - Last	0.001	0.00230
MW-382	UA	E004	Arsenic, total	mg/L	12/29/15 - 02/06/24	23	22	CI around median	0.0012	0.00578
MW-382	UA	E004	Barium, total	mg/L	12/29/15 - 02/06/24	23	0	CI around mean	0.0179	0.261
MW-382	UA	E004	Beryllium, total	mg/L	12/29/15 - 02/06/24	18	94	CI around median	0.001	0.001
MW-382	UA	E004	Boron, total	mg/L	12/29/15 - 02/06/24	24	0	CI around median	1.71	2.23
MW-382	UA	E004	Cadmium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-382	UA	E004	Chloride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around mean	34.5	1,370
MW-382	UA	E004	Chromium, total	mg/L	12/29/15 - 02/06/24	22	9	CB around linear reg	0.00691	0.0125

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BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-382	UA	E004	Cobalt, total	mg/L	12/29/15 - 02/06/24	21	62	CB around T-S line	0.001	0.00220
MW-382	UA	E004	Fluoride, total	mg/L	12/29/15 - 02/06/24	24	0	CI around median	2.77	3.36
MW-382	UA	E004	Lead, total	mg/L	12/29/15 - 02/06/24	21	57	CB around T-S line	0.001	0.00220
MW-382	UA	E004	Lithium, total	mg/L	12/29/15 - 02/06/24	23	0	CI around geomean	0.0577	0.123
MW-382	UA	E004	Mercury, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.0002	0.0002
MW-382	UA	E004	Molybdenum, total	mg/L	12/29/15 - 02/06/24	23	26	CI around geomean	0.00131	0.0782
MW-382	UA	E004	pH (field)	SU	12/29/15 - 02/06/24	24	0	CI around mean	7.7/7.8	7.3/8.4
MW-382	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 02/06/24	23	0	CB around T-S line	0.481	4.14
MW-382	UA	E004	Selenium, total	mg/L	12/29/15 - 02/06/24	20	100	All ND - Last	0.001	0.00320
MW-382	UA	E004	Sulfate, total	mg/L	12/29/15 - 02/06/24	24	0	CB around linear reg	354	228
MW-382	UA	E004	Thallium, total	mg/L	12/29/15 - 02/06/24	18	100	All ND - Last	0.002	0.002
MW-382	UA	E004	Total Dissolved Solids	mg/L	12/29/15 - 02/06/24	24	0	CI around mean	1,120	3,260
MW-392	UA	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.001	0.00230
MW-392	UA	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	64	CI around median	0.001	0.00578
MW-392	UA	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0377	0.261
MW-392	UA	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-392	UA	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	1.66	2.23
MW-392	UA	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-392	UA	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	648	1,370
MW-392	UA	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	54	CI around median	0.0015	0.0125
MW-392	UA	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	91	CI around median	0.001	0.00220
MW-392	UA	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	3.96	3.36
MW-392	UA	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	91	CI around median	0.001	0.00220
MW-392	UA	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	0.0752	0.123
MW-392	UA	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.0002
MW-392	UA	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.0015	0.0782
MW-392	UA	E004	pH (field)	SU	10/27/22 - 02/06/24	12	0	CI around mean	7.4/7.8	7.3/8.4

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BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-392	UA	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.372	4.14
MW-392	UA	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.00320
MW-392	UA	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	50	228
MW-392	UA	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	12	100	All ND - Last	0.002	0.002
MW-392	UA	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CI around median	1,340	3,260
MW-393	UA	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	82	CI around median	0.001	0.00230
MW-393	UA	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.00578
MW-393	UA	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around geomean	0.0242	0.261
MW-393	UA	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-393	UA	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	0	CI around median	1.59	2.23
MW-393	UA	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-393	UA	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	620	1,370
MW-393	UA	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.0015	0.0125
MW-393	UA	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	91	CI around median	0.001	0.00220
MW-393	UA	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	7.68	3.36
MW-393	UA	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.00220
MW-393	UA	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0579	0.123
MW-393	UA	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.0002
MW-393	UA	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	54	CI around median	0.0015	0.0782
MW-393	UA	E004	pH (field)	SU	10/27/22 - 02/06/24	12	0	CI around mean	7.9/8.3	7.3/8.4
MW-393	UA	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.274	4.14
MW-393	UA	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.00320
MW-393	UA	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	43.9	228
MW-393	UA	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	12	100	All ND - Last	0.002	0.002
MW-393	UA	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CB around T-S line	1,980	3,260
MW-394	UA	E004	Antimony, total	mg/L	10/27/22 - 02/06/24	11	64	CB around T-S line	-0.00331	0.00230
MW-394	UA	E004	Arsenic, total	mg/L	10/27/22 - 02/06/24	11	46	CI around median	0.001	0.00578

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-394	UA	E004	Barium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.029	0.261
MW-394	UA	E004	Beryllium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-394	UA	E004	Boron, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	1.57	2.23
MW-394	UA	E004	Cadmium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.001	0.001
MW-394	UA	E004	Chloride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	471	1,370
MW-394	UA	E004	Chromium, total	mg/L	10/27/22 - 02/06/24	11	64	CI around median	0.0015	0.0125
MW-394	UA	E004	Cobalt, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.00220
MW-394	UA	E004	Fluoride, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	3.21	3.36
MW-394	UA	E004	Lead, total	mg/L	10/27/22 - 02/06/24	11	73	CI around median	0.001	0.00220
MW-394	UA	E004	Lithium, total	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	0.0508	0.123
MW-394	UA	E004	Mercury, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.0002	0.0002
MW-394	UA	E004	Molybdenum, total	mg/L	10/27/22 - 02/06/24	11	27	CI around mean	0.00374	0.0782
MW-394	UA	E004	pH (field)	SU	10/27/22 - 02/06/24	11	0	CI around mean	7.7/8.0	7.3/8.4
MW-394	UA	E004	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 02/06/24	11	0	CI around mean	0.406	4.14
MW-394	UA	E004	Selenium, total	mg/L	10/27/22 - 02/06/24	11	91	Most recent sample	0.001	0.00320
MW-394	UA	E004	Sulfate, total	mg/L	10/27/22 - 02/06/24	11	0	CB around linear reg	9.73	228
MW-394	UA	E004	Thallium, total	mg/L	10/27/22 - 02/06/24	11	100	All ND - Last	0.002	0.002
MW-394	UA	E004	Total Dissolved Solids	mg/L	10/27/22 - 02/06/24	11	0	CI around mean	1,750	3,260
OW-256	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.00230
OW-256	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/07/24	5	20	CI around geomean	0.000865	0.00578
OW-256	PMP	E004	Barium, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.0772	0.261
OW-256	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
OW-256	PMP	E004	Boron, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.157	2.23
OW-256	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
OW-256	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	50.4	1,370
OW-256	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.0015	0.0125
OW-256	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/07/24	5	40	CI around mean	0.000795	0.00220

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-256	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	0.217	3.36
OW-256	PMP	E004	Lead, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.00220
OW-256	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/07/24	5	20	CI around mean	0.00287	0.123
OW-256	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/07/24	5	80	CI around median (Last Sample, n<7)	0.0015	0.0782
OW-256	PMP	E004	pH (field)	SU	03/14/23 - 02/07/24	5	0	CI around mean	6.6/6.9	7.3/8.4
OW-256	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/07/24	5	0	CI around mean	0.377	4.14
OW-256	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.001	0.00320
OW-256	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	60.2	228
OW-256	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/07/24	5	100	All ND - Last	0.002	0.002
OW-256	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/07/24	5	0	CI around mean	463	3,260
OW-257	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/06/24	5	60	CI around median (Last Sample, n<7)	0.0014	0.00230
OW-257	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/06/24	5	20	CI around geomean	0.000628	0.00578
OW-257	PMP	E004	Barium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	0.122	0.261
OW-257	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.001
OW-257	PMP	E004	Boron, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.395	2.23
OW-257	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.001
OW-257	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	6.4	1,370
OW-257	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/06/24	5	40	CI around geomean	0.000221	0.0125
OW-257	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/06/24	5	20	CI around geomean	0.000279	0.00220
OW-257	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.353	3.36
OW-257	PMP	E004	Lead, total	mg/L	03/14/23 - 02/06/24	5	40	CI around geomean	0.000131	0.00220
OW-257	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	0.0369	0.123
OW-257	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0002	0.0002
OW-257	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/06/24	5	40	CI around mean	0.00239	0.0782
OW-257	PMP	E004	pH (field)	SU	03/14/23 - 02/06/24	5	0	CI around mean	6.6/7.3	7.3/8.4
OW-257	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around geomean	0.12	4.14

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-257	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.00320
OW-257	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	97.1	228
OW-257	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.002	0.002
OW-257	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	425	3,260
PZ-170	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/06/24	4	50	CI around mean	-0.00228	0.00230
PZ-170	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/06/24	4	50	CI around geomean	0.000904	0.00578
PZ-170	PMP	E004	Barium, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.0189	0.261
PZ-170	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.001
PZ-170	PMP	E004	Boron, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.161	2.23
PZ-170	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.001
PZ-170	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	16.3	1,370
PZ-170	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/06/24	4	50	CI around mean	0.000984	0.0125
PZ-170	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	-0.000222	0.00220
PZ-170	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.166	3.36
PZ-170	PMP	E004	Lead, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.00220
PZ-170	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	0.0189	0.123
PZ-170	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.0002	0.0002
PZ-170	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.0015	0.0782
PZ-170	PMP	E004	pH (field)	SU	03/14/23 - 02/06/24	5	0	CI around mean	6.5/6.6	7.3/8.4
PZ-170	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around mean	0.0473	4.14
PZ-170	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.001	0.00320
PZ-170	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	98	228
PZ-170	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/06/24	4	100	All ND - Last	0.002	0.002
PZ-170	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/06/24	4	0	CI around mean	515	3,260
PZ-182	PMP	E004	Antimony, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E004	Arsenic, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.00578
PZ-182	PMP	E004	Barium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.0533	0.261

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-182	PMP	E004	Beryllium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.001
PZ-182	PMP	E004	Boron, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.372	2.23
PZ-182	PMP	E004	Cadmium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.001
PZ-182	PMP	E004	Chloride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around median (Last Sample, n<7)	38	1,370
PZ-182	PMP	E004	Chromium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E004	Cobalt, total	mg/L	03/14/23 - 02/06/24	5	80	Most recent sample	0.001	0.00220
PZ-182	PMP	E004	Fluoride, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.146	3.36
PZ-182	PMP	E004	Lead, total	mg/L	03/14/23 - 02/06/24	5	80	CI around median (Last Sample, n<7)	0.001	0.00220
PZ-182	PMP	E004	Lithium, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	0.00591	0.123
PZ-182	PMP	E004	Mercury, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E004	Molybdenum, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.0015	0.0782
PZ-182	PMP	E004	pH (field)	SU	03/14/23 - 02/06/24	5	0	CI around mean	6.4/6.7	7.3/8.4
PZ-182	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 02/06/24	5	0	CI around mean	-0.124	4.14
PZ-182	PMP	E004	Selenium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E004	Sulfate, total	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	128	228
PZ-182	PMP	E004	Thallium, total	mg/L	03/14/23 - 02/06/24	5	100	All ND - Last	0.002	0.002
PZ-182	PMP	E004	Total Dissolved Solids	mg/L	03/14/23 - 02/06/24	5	0	CI around mean	611	3,260

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-192	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00230
MW-192	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	33	CI around geomean	0.00131	0.00578
MW-192	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0909	0.261
MW-192	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-192	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.028	2.23
MW-192	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-192	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	11.9	1,370
MW-192	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.0125
MW-192	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	42	CI around mean	0.00101	0.00220
MW-192	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.415	3.36
MW-192	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00220
MW-192	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	8	CB around linear reg	-0.0252	0.123
MW-192	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-192	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00177	0.0782
MW-192	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	7.3/8.4
MW-192	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.337	4.14
MW-192	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-192	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-7.03	228
MW-192	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002
MW-192	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	-81.3	3,260
MW-193	UU	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.00230
MW-193	UU	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	25	CB around T-S line	-0.00464	0.00578
MW-193	UU	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	0.0743	0.261
MW-193	UU	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-193	UU	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	8	CI around mean	0.0377	2.23
MW-193	UU	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-193	UU	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	30.3	1,370

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-193	UU	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.0015	0.0125
MW-193	UU	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.00220
MW-193	UU	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.246	3.36
MW-193	UU	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00220
MW-193	UU	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	17	CI around mean	0.00451	0.123
MW-193	UU	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-193	UU	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.0782
MW-193	UU	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	6.7/7.0	7.3/8.4
MW-193	UU	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.463	4.14
MW-193	UU	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-193	UU	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	154	228
MW-193	UU	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002
MW-193	UU	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	541	3,260
MW-356	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	89	CI around median	0.001	0.00230
MW-356	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	83	CI around median	0.001	0.00578
MW-356	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around median	0.0299	0.261
MW-356	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-356	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.94	2.23
MW-356	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-356	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	27.8	1,370
MW-356	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	100	All ND - Last	0.0015	0.0125
MW-356	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.00220
MW-356	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1.99	3.36
MW-356	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.00220
MW-356	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.0526	0.123
MW-356	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.0002
MW-356	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	63	CI around median	0.0015	0.0782

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-356	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CI around median	7.7/7.8	7.3/8.4
MW-356	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around median	0.12	4.14
MW-356	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	100	All ND - Last	0.001	0.00320
MW-356	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	44.2	228
MW-356	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002
MW-356	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	660	3,260
MW-369	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	21	81	CB around T-S line	-0.000206	0.00230
MW-369	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	24	12	CI around geomean	0.00145	0.00578
MW-369	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	24	0	CB around T-S line	0.0698	0.261
MW-369	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-369	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	25	0	CB around linear reg	-0.153	2.23
MW-369	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-369	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	25	0	CI around geomean	86.4	1,370
MW-369	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	23	91	CB around T-S line	0.0015	0.0125
MW-369	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	22	82	CI around median	0.001	0.00220
MW-369	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-0.569	3.36
MW-369	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	22	96	CI around median	0.001	0.00220
MW-369	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	24	4	CI around mean	0.021	0.123
MW-369	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.0002	0.0002
MW-369	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	24	4	CB around T-S line	-0.00551	0.0782
MW-369	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	25	0	CI around mean	7.4/8.0	7.3/8.4
MW-369	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	24	0	CI around mean	0.45	4.14
MW-369	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	21	67	CB around T-S line	-0.00896	0.00320
MW-369	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	25	0	CB around T-S line	-36.3	228
MW-369	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	19	100	All ND - Last	0.002	0.002
MW-369	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	25	0	CI around median	726	3,260
MW-370	UA	E005	Antimony, total	mg/L	12/29/15 - 04/16/24	27	78	CB around T-S line	-0.000129	0.00230

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MW-370	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/16/24	30	60	CB around T-S line	0.000221	0.00578
MW-370	UA	E005	Barium, total	mg/L	12/29/15 - 04/16/24	30	0	CB around T-S line	0.0272	0.261
MW-370	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-370	UA	E005	Boron, total	mg/L	12/29/15 - 04/16/24	31	0	CI around median	1.77	2.23
MW-370	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.001	0.001
MW-370	UA	E005	Chloride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	1,400	1,370
MW-370	UA	E005	Chromium, total	mg/L	12/29/15 - 04/16/24	29	97	CB around T-S line	0.0015	0.0125
MW-370	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/16/24	28	96	CI around median	0.001	0.00220
MW-370	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	3.07	3.36
MW-370	UA	E005	Lead, total	mg/L	12/29/15 - 04/16/24	28	100	All ND - Last	0.001	0.00220
MW-370	UA	E005	Lithium, total	mg/L	12/29/15 - 04/16/24	30	0	CI around mean	0.132	0.123
MW-370	UA	E005	Mercury, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.0002	0.0002
MW-370	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/16/24	30	3	CB around T-S line	0.00347	0.0782
MW-370	UA	E005	pH (field)	SU	12/29/15 - 04/16/24	31	0	CB around T-S line	7.3/7.5	7.3/8.4
MW-370	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/16/24	30	0	CI around geomean	0.57	4.14
MW-370	UA	E005	Selenium, total	mg/L	12/29/15 - 04/16/24	27	96	Most recent sample	0.001	0.00320
MW-370	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/16/24	31	0	CI around mean	249	228
MW-370	UA	E005	Thallium, total	mg/L	12/29/15 - 04/16/24	25	100	All ND - Last	0.002	0.002
MW-370	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/16/24	31	0	CB around linear reg	2,990	3,260
MW-382	UA	E005	Antimony, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.00230
MW-382	UA	E005	Arsenic, total	mg/L	12/29/15 - 04/17/24	24	21	CI around median	0.0012	0.00578
MW-382	UA	E005	Barium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0176	0.261
MW-382	UA	E005	Beryllium, total	mg/L	12/29/15 - 04/17/24	19	95	CI around median	0.001	0.001
MW-382	UA	E005	Boron, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	1.71	2.23
MW-382	UA	E005	Cadmium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-382	UA	E005	Chloride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around mean	34.4	1,370
MW-382	UA	E005	Chromium, total	mg/L	12/29/15 - 04/17/24	23	9	CB around linear reg	0.00661	0.0125

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MW-382	UA	E005	Cobalt, total	mg/L	12/29/15 - 04/17/24	22	64	CB around T-S line	0.001	0.00220
MW-382	UA	E005	Fluoride, total	mg/L	12/29/15 - 04/17/24	25	0	CI around median	2.77	3.36
MW-382	UA	E005	Lead, total	mg/L	12/29/15 - 04/17/24	22	54	CB around T-S line	0.001	0.00220
MW-382	UA	E005	Lithium, total	mg/L	12/29/15 - 04/17/24	24	0	CI around geomean	0.0578	0.123
MW-382	UA	E005	Mercury, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.0002	0.0002
MW-382	UA	E005	Molybdenum, total	mg/L	12/29/15 - 04/17/24	24	25	CI around geomean	0.00134	0.0782
MW-382	UA	E005	pH (field)	SU	12/29/15 - 04/17/24	25	0	CI around mean	7.7/7.8	7.3/8.4
MW-382	UA	E005	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 04/17/24	24	0	CB around T-S line	0.545	4.14
MW-382	UA	E005	Selenium, total	mg/L	12/29/15 - 04/17/24	21	100	All ND - Last	0.001	0.00320
MW-382	UA	E005	Sulfate, total	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	358	228
MW-382	UA	E005	Thallium, total	mg/L	12/29/15 - 04/17/24	19	100	All ND - Last	0.002	0.002
MW-382	UA	E005	Total Dissolved Solids	mg/L	12/29/15 - 04/17/24	25	0	CB around linear reg	1,050	3,260
MW-392	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.00230
MW-392	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.001	0.00578
MW-392	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0388	0.261
MW-392	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-392	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.68	2.23
MW-392	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-392	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	648	1,370
MW-392	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.0125
MW-392	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.00220
MW-392	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	4.07	3.36
MW-392	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.00220
MW-392	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0613	0.123
MW-392	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-392	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.0782
MW-392	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around median	7.6/7.7	7.3/8.4

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BOTTOM ASH POND
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MW-392	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.422	4.14
MW-392	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-392	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CI around geomean	48.8	228
MW-392	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002
MW-392	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1,340	3,260
MW-393	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	83	CI around median	0.001	0.00230
MW-393	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00578
MW-393	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0248	0.261
MW-393	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-393	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around median	1.59	2.23
MW-393	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-393	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	664	1,370
MW-393	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.0015	0.0125
MW-393	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	92	CI around median	0.001	0.00220
MW-393	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	7.95	3.36
MW-393	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00220
MW-393	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0594	0.123
MW-393	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-393	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	58	CI around median	0.0015	0.0782
MW-393	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	13	0	CI around mean	7.9/8.3	7.3/8.4
MW-393	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.268	4.14
MW-393	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.00320
MW-393	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	69.7	228
MW-393	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	13	100	All ND - Last	0.002	0.002
MW-393	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CB around T-S line	2,220	3,260
MW-394	UA	E005	Antimony, total	mg/L	10/27/22 - 04/16/24	12	67	CB around T-S line	-0.00353	0.00230
MW-394	UA	E005	Arsenic, total	mg/L	10/27/22 - 04/16/24	12	50	CI around median	0.001	0.00578

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MW-394	UA	E005	Barium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.029	0.261
MW-394	UA	E005	Beryllium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-394	UA	E005	Boron, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1.59	2.23
MW-394	UA	E005	Cadmium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.001	0.001
MW-394	UA	E005	Chloride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	492	1,370
MW-394	UA	E005	Chromium, total	mg/L	10/27/22 - 04/16/24	12	67	CI around median	0.0015	0.0125
MW-394	UA	E005	Cobalt, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00220
MW-394	UA	E005	Fluoride, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	3.34	3.36
MW-394	UA	E005	Lead, total	mg/L	10/27/22 - 04/16/24	12	75	CI around median	0.001	0.00220
MW-394	UA	E005	Lithium, total	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	0.0524	0.123
MW-394	UA	E005	Mercury, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.0002	0.0002
MW-394	UA	E005	Molybdenum, total	mg/L	10/27/22 - 04/16/24	12	33	CI around mean	0.00332	0.0782
MW-394	UA	E005	pH (field)	SU	10/27/22 - 04/16/24	12	0	CI around mean	7.7/8.0	7.3/8.4
MW-394	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 04/16/24	12	0	CI around mean	0.437	4.14
MW-394	UA	E005	Selenium, total	mg/L	10/27/22 - 04/16/24	12	92	Most recent sample	0.001	0.00320
MW-394	UA	E005	Sulfate, total	mg/L	10/27/22 - 04/16/24	12	0	CB around linear reg	-2.64	228
MW-394	UA	E005	Thallium, total	mg/L	10/27/22 - 04/16/24	12	100	All ND - Last	0.002	0.002
MW-394	UA	E005	Total Dissolved Solids	mg/L	10/27/22 - 04/16/24	12	0	CI around mean	1,790	3,260
OW-256	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00230
OW-256	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.00085	0.00578
OW-256	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.0799	0.261
OW-256	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
OW-256	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.151	2.23
OW-256	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
OW-256	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	52.2	1,370
OW-256	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.0125
OW-256	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	50	CI around median (Last Sample, n<7)	0.001	0.00220

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-256	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.228	3.36
OW-256	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00220
OW-256	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	17	CI around mean	0.00429	0.123
OW-256	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.0782
OW-256	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/6.9	7.3/8.4
OW-256	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.536	4.14
OW-256	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00320
OW-256	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	63.8	228
OW-256	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002
OW-256	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	473	3,260
OW-257	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000786	0.00230
OW-257	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	17	CI around geomean	0.000736	0.00578
OW-257	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.113	0.261
OW-257	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.001
OW-257	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.419	2.23
OW-257	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.001
OW-257	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	6.55	1,370
OW-257	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000362	0.0125
OW-257	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	33	CI around geomean	0.000375	0.00220
OW-257	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.366	3.36
OW-257	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	50	CI around geomean	0.000218	0.00220
OW-257	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	0.0299	0.123
OW-257	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.0002
OW-257	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	33	CI around mean	0.00236	0.0782
OW-257	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.7/7.3	7.3/8.4
OW-257	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.225	4.14

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-257	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00320
OW-257	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	101	228
OW-257	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002
OW-257	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	682	3,260
PZ-170	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.001	0.00230
PZ-170	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	5	40	CI around geomean	0.000887	0.00578
PZ-170	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0424	0.261
PZ-170	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.001
PZ-170	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.212	2.23
PZ-170	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.001
PZ-170	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	36.7	1,370
PZ-170	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	5	60	CI around median (Last Sample, n<7)	0.0015	0.0125
PZ-170	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.00072	0.00220
PZ-170	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.176	3.36
PZ-170	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	5	80	CI around median (Last Sample, n<7)	0.002	0.00220
PZ-170	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	0.0246	0.123
PZ-170	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0002	0.0002
PZ-170	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.0015	0.0782
PZ-170	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.6	7.3/8.4
PZ-170	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.106	4.14
PZ-170	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.001	0.00320
PZ-170	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	144	228
PZ-170	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	5	100	All ND - Last	0.002	0.002
PZ-170	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	5	0	CI around mean	720	3,260
PZ-182	PMP	E005	Antimony, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E005	Arsenic, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00578
PZ-182	PMP	E005	Barium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.057	0.261

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-182	PMP	E005	Beryllium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
PZ-182	PMP	E005	Boron, total	mg/L	03/14/23 - 04/17/24	6	0	CI around geomean	0.424	2.23
PZ-182	PMP	E005	Cadmium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
PZ-182	PMP	E005	Chloride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around median (Last Sample, n<7)	37	1,370
PZ-182	PMP	E005	Chromium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E005	Cobalt, total	mg/L	03/14/23 - 04/17/24	6	83	Most recent sample	0.001	0.00220
PZ-182	PMP	E005	Fluoride, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.153	3.36
PZ-182	PMP	E005	Lead, total	mg/L	03/14/23 - 04/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00220
PZ-182	PMP	E005	Lithium, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	0.00834	0.123
PZ-182	PMP	E005	Mercury, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E005	Molybdenum, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.0015	0.0782
PZ-182	PMP	E005	pH (field)	SU	03/14/23 - 04/17/24	6	0	CI around mean	6.5/6.7	7.3/8.4
PZ-182	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 04/17/24	6	0	CI around mean	0.166	4.14
PZ-182	PMP	E005	Selenium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E005	Sulfate, total	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	133	228
PZ-182	PMP	E005	Thallium, total	mg/L	03/14/23 - 04/17/24	6	100	All ND - Last	0.002	0.002
PZ-182	PMP	E005	Total Dissolved Solids	mg/L	03/14/23 - 04/17/24	6	0	CI around mean	643	3,260

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BOTTOM ASH POND
BALDWIN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

UU = Upper Unit

mg/L = milligrams per liter
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-192	UU	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.00230
MW-192	UU	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	38	CI around geomean	0.00124	0.00578
MW-192	UU	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0898	0.261
MW-192	UU	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-192	UU	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	15	CI around mean	0.0247	2.23
MW-192	UU	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-192	UU	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	11.1	1,370
MW-192	UU	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.0015	0.0125
MW-192	UU	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	46	CI around median	0.001	0.00220
MW-192	UU	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.418	3.36
MW-192	UU	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.00220
MW-192	UU	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	8	CB around linear reg	-0.0247	0.123
MW-192	UU	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.0002
MW-192	UU	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	23	CB around T-S line	-0.00295	0.0782
MW-192	UU	E006	pH (field)	SU	10/27/22 - 07/17/24	13	0	CI around mean	6.7/6.9	7.3/8.4
MW-192	UU	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.348	4.14
MW-192	UU	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.00320
MW-192	UU	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	-7.84	228
MW-192	UU	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002
MW-192	UU	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CB around T-S line	-1.79	3,260
MW-193	UU	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.001	0.00230
MW-193	UU	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	31	CB around T-S line	-0.00409	0.00578
MW-193	UU	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around median	0.0743	0.261
MW-193	UU	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-193	UU	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	8	CI around mean	0.0378	2.23
MW-193	UU	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-193	UU	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	29.8	1,370

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BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-193	UU	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.0015	0.0125
MW-193	UU	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.001	0.00220
MW-193	UU	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.245	3.36
MW-193	UU	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.00220
MW-193	UU	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	15	CI around mean	0.00442	0.123
MW-193	UU	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.0002
MW-193	UU	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.0015	0.0782
MW-193	UU	E006	pH (field)	SU	10/27/22 - 07/17/24	13	0	CI around mean	6.7/7.0	7.3/8.4
MW-193	UU	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.484	4.14
MW-193	UU	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.00320
MW-193	UU	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	154	228
MW-193	UU	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002
MW-193	UU	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	544	3,260
MW-356	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	28	89	CI around median	0.001	0.00230
MW-356	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	31	84	CI around median	0.001	0.00578
MW-356	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around median	0.0299	0.261
MW-356	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.001
MW-356	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	32	0	CI around median	1.94	2.23
MW-356	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.001
MW-356	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	27.7	1,370
MW-356	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	30	100	All ND - Last	0.0015	0.0125
MW-356	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	29	100	All ND - Last	0.001	0.00220
MW-356	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	1.99	3.36
MW-356	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	29	97	CI around median	0.001	0.00220
MW-356	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around geomean	0.0527	0.123
MW-356	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.0002	0.0002
MW-356	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	31	64	CI around median	0.0015	0.0782

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
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BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-356	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	32	0	CI around median	7.7/7.8	7.3/8.4
MW-356	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	31	0	CI around median	0.146	4.14
MW-356	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	28	100	All ND - Last	0.001	0.00320
MW-356	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	32	0	CI around mean	44.3	228
MW-356	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.002	0.002
MW-356	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	31	0	CI around mean	661	3,260
MW-369	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	22	82	CB around T-S line	-0.000157	0.00230
MW-369	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	25	12	CI around geomean	0.00143	0.00578
MW-369	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	25	0	CB around T-S line	0.0689	0.261
MW-369	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-369	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	26	0	CB around linear reg	-0.184	2.23
MW-369	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-369	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	26	0	CI around geomean	85.4	1,370
MW-369	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	24	92	CB around T-S line	0.0015	0.0125
MW-369	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	23	78	CI around median	0.001	0.00220
MW-369	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	26	0	CB around T-S line	-0.432	3.36
MW-369	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	23	96	CI around median	0.001	0.00220
MW-369	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	25	4	CI around mean	0.0206	0.123
MW-369	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.0002	0.0002
MW-369	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	25	4	CB around T-S line	-0.00805	0.0782
MW-369	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	26	0	CI around mean	7.4/8.0	7.3/8.4
MW-369	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	25	0	CI around mean	0.473	4.14
MW-369	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	22	68	CB around T-S line	-0.0139	0.00320
MW-369	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	26	0	CI around geomean	107	228
MW-369	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.002	0.002
MW-369	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	26	0	CI around median	732	3,260
MW-370	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	28	79	CB around T-S line	0.0000531	0.00230

ATTACHMENT C.
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BALDWIN POWER PLANT
BOTTOM ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-370	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	31	61	CB around T-S line	0.0000775	0.00578
MW-370	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	31	0	CB around T-S line	0.0263	0.261
MW-370	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.001
MW-370	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	32	0	CI around median	1.77	2.23
MW-370	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.001	0.001
MW-370	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	1,390	1,370
MW-370	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	30	97	CB around T-S line	0.0015	0.0125
MW-370	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	29	97	CI around median	0.001	0.00220
MW-370	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	32	0	CB around T-S line	3.07	3.36
MW-370	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	29	100	All ND - Last	0.001	0.00220
MW-370	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	31	0	CI around mean	0.132	0.123
MW-370	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.0002	0.0002
MW-370	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	31	3	CB around T-S line	0.00316	0.0782
MW-370	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	32	0	CB around T-S line	7.3/7.5	7.3/8.4
MW-370	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	31	0	CI around geomean	0.575	4.14
MW-370	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	28	96	Most recent sample	0.001	0.00320
MW-370	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	32	0	CI around mean	249	228
MW-370	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	26	100	All ND - Last	0.002	0.002
MW-370	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	32	0	CB around linear reg	2,990	3,260
MW-382	UA	E006	Antimony, total	mg/L	12/29/15 - 07/18/24	22	100	All ND - Last	0.001	0.00230
MW-382	UA	E006	Arsenic, total	mg/L	12/29/15 - 07/18/24	25	20	CI around median	0.0012	0.00578
MW-382	UA	E006	Barium, total	mg/L	12/29/15 - 07/18/24	25	0	CI around mean	0.0182	0.261
MW-382	UA	E006	Beryllium, total	mg/L	12/29/15 - 07/18/24	20	95	CI around median	0.001	0.001
MW-382	UA	E006	Boron, total	mg/L	12/29/15 - 07/18/24	26	0	CI around median	1.71	2.23
MW-382	UA	E006	Cadmium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-382	UA	E006	Chloride, total	mg/L	12/29/15 - 07/18/24	26	0	CI around mean	34.5	1,370
MW-382	UA	E006	Chromium, total	mg/L	12/29/15 - 07/18/24	24	8	CB around linear reg	0.00737	0.0125

ATTACHMENT C.
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BOTTOM ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-382	UA	E006	Cobalt, total	mg/L	12/29/15 - 07/18/24	23	61	CB around T-S line	0.001	0.00220
MW-382	UA	E006	Fluoride, total	mg/L	12/29/15 - 07/18/24	26	0	CI around geomean	2.82	3.36
MW-382	UA	E006	Lead, total	mg/L	12/29/15 - 07/18/24	23	52	CB around T-S line	0.001	0.00220
MW-382	UA	E006	Lithium, total	mg/L	12/29/15 - 07/18/24	25	0	CI around geomean	0.058	0.123
MW-382	UA	E006	Mercury, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.0002	0.0002
MW-382	UA	E006	Molybdenum, total	mg/L	12/29/15 - 07/18/24	25	24	CI around geomean	0.00134	0.0782
MW-382	UA	E006	pH (field)	SU	12/29/15 - 07/18/24	26	0	CI around mean	7.7/7.8	7.3/8.4
MW-382	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/29/15 - 07/18/24	25	0	CB around T-S line	0.674	4.14
MW-382	UA	E006	Selenium, total	mg/L	12/29/15 - 07/18/24	22	100	All ND - Last	0.001	0.00320
MW-382	UA	E006	Sulfate, total	mg/L	12/29/15 - 07/18/24	26	0	CB around linear reg	361	228
MW-382	UA	E006	Thallium, total	mg/L	12/29/15 - 07/18/24	20	100	All ND - Last	0.002	0.002
MW-382	UA	E006	Total Dissolved Solids	mg/L	12/29/15 - 07/18/24	26	0	CI around mean	1,130	3,260
MW-392	UA	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.001	0.00230
MW-392	UA	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	69	CI around median	0.001	0.00578
MW-392	UA	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0385	0.261
MW-392	UA	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-392	UA	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	1.7	2.23
MW-392	UA	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-392	UA	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around median	827	1,370
MW-392	UA	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	62	CI around median	0.0015	0.0125
MW-392	UA	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.001	0.00220
MW-392	UA	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	4.01	3.36
MW-392	UA	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.001	0.00220
MW-392	UA	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0629	0.123
MW-392	UA	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.0002
MW-392	UA	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.0015	0.0782
MW-392	UA	E006	pH (field)	SU	10/27/22 - 07/17/24	14	0	CI around median	7.6/7.7	7.3/8.4

ATTACHMENT C.
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BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-392	UA	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.411	4.14
MW-392	UA	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.00320
MW-392	UA	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CI around geomean	49.8	228
MW-392	UA	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	14	100	All ND - Last	0.002	0.002
MW-392	UA	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	1,630	3,260
MW-393	UA	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	85	CI around median	0.001	0.00230
MW-393	UA	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.00578
MW-393	UA	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0257	0.261
MW-393	UA	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-393	UA	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	0	CI around median	1.61	2.23
MW-393	UA	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-393	UA	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	692	1,370
MW-393	UA	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.0015	0.0125
MW-393	UA	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	92	CI around median	0.001	0.00220
MW-393	UA	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	8.48	3.36
MW-393	UA	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.00220
MW-393	UA	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.061	0.123
MW-393	UA	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.0002
MW-393	UA	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	62	CI around median	0.0015	0.0782
MW-393	UA	E006	pH (field)	SU	10/27/22 - 07/17/24	14	0	CI around mean	7.9/8.3	7.3/8.4
MW-393	UA	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.266	4.14
MW-393	UA	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.00320
MW-393	UA	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	176	228
MW-393	UA	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	14	100	All ND - Last	0.002	0.002
MW-393	UA	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CB around T-S line	2,440	3,260
MW-394	UA	E006	Antimony, total	mg/L	10/27/22 - 07/17/24	13	69	CB around T-S line	-0.00133	0.00230
MW-394	UA	E006	Arsenic, total	mg/L	10/27/22 - 07/17/24	13	54	CI around median	0.001	0.00578

ATTACHMENT C.
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BALDWIN POWER PLANT
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-394	UA	E006	Barium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0273	0.261
MW-394	UA	E006	Beryllium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-394	UA	E006	Boron, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	1.61	2.23
MW-394	UA	E006	Cadmium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.001	0.001
MW-394	UA	E006	Chloride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	511	1,370
MW-394	UA	E006	Chromium, total	mg/L	10/27/22 - 07/17/24	13	69	CI around median	0.0015	0.0125
MW-394	UA	E006	Cobalt, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.00220
MW-394	UA	E006	Fluoride, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	3.45	3.36
MW-394	UA	E006	Lead, total	mg/L	10/27/22 - 07/17/24	13	77	CI around median	0.001	0.00220
MW-394	UA	E006	Lithium, total	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	0.0537	0.123
MW-394	UA	E006	Mercury, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.0002	0.0002
MW-394	UA	E006	Molybdenum, total	mg/L	10/27/22 - 07/17/24	13	38	CI around mean	0.00302	0.0782
MW-394	UA	E006	pH (field)	SU	10/27/22 - 07/17/24	13	0	CI around mean	7.7/8.0	7.3/8.4
MW-394	UA	E006	Radium 226 + Radium 228, total	pCi/L	10/27/22 - 07/17/24	13	0	CI around mean	0.371	4.14
MW-394	UA	E006	Selenium, total	mg/L	10/27/22 - 07/17/24	13	92	Most recent sample	0.001	0.00320
MW-394	UA	E006	Sulfate, total	mg/L	10/27/22 - 07/17/24	13	0	CB around linear reg	-12.1	228
MW-394	UA	E006	Thallium, total	mg/L	10/27/22 - 07/17/24	13	100	All ND - Last	0.002	0.002
MW-394	UA	E006	Total Dissolved Solids	mg/L	10/27/22 - 07/17/24	13	0	CI around mean	1,830	3,260
OW-256	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.00230
OW-256	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	29	CI around median	0.001	0.00578
OW-256	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.0795	0.261
OW-256	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.001
OW-256	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.16	2.23
OW-256	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.001
OW-256	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	53.4	1,370
OW-256	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.0015	0.0125
OW-256	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.001	0.00220

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BOTTOM ASH POND
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-256	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.233	3.36
OW-256	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.00220
OW-256	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	7	14	CI around mean	0.00374	0.123
OW-256	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.0002
OW-256	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.0015	0.0782
OW-256	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.7/7.0	7.3/8.4
OW-256	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.392	4.14
OW-256	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.00320
OW-256	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	66	228
OW-256	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002
OW-256	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	479	3,260
OW-257	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.001	0.00230
OW-257	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	14	CI around geomean	0.000951	0.00578
OW-257	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around median	0.0988	0.261
OW-257	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.0005	0.001
OW-257	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.439	2.23
OW-257	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.001
OW-257	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	6.82	1,370
OW-257	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.0015	0.0125
OW-257	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	29	CI around geomean	0.000595	0.00220
OW-257	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.377	3.36
OW-257	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	7	57	CI around median	0.001	0.00220
OW-257	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around median	0.0268	0.123
OW-257	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.0002
OW-257	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	29	CI around geomean	0.00245	0.0782
OW-257	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.7/7.2	7.3/8.4
OW-257	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around geomean	0.311	4.14

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
OW-257	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.00320
OW-257	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	104	228
OW-257	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002
OW-257	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	7	0	CI around median	682	3,260
PZ-170	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	6	67	CI around median (Last Sample, n<7)	0.001	0.00230
PZ-170	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	6	33	CI around median (Last Sample, n<7)	0.0011	0.00578
PZ-170	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.0527	0.261
PZ-170	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.001
PZ-170	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.222	2.23
PZ-170	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.001
PZ-170	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	6	0	CI around median (Last Sample, n<7)	82	1,370
PZ-170	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	6	67	CI around median (Last Sample, n<7)	0.0015	0.0125
PZ-170	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.00138	0.00220
PZ-170	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.181	3.36
PZ-170	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00220
PZ-170	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	0.0263	0.123
PZ-170	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.0002	0.0002
PZ-170	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.0015	0.0782
PZ-170	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.5/6.7	7.3/8.4
PZ-170	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.115	4.14
PZ-170	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.001	0.00320
PZ-170	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	163	228
PZ-170	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	6	100	All ND - Last	0.002	0.002
PZ-170	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	6	0	CI around mean	825	3,260
PZ-182	PMP	E006	Antimony, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.00230
PZ-182	PMP	E006	Arsenic, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.00578
PZ-182	PMP	E006	Barium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.0554	0.261

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
PZ-182	PMP	E006	Beryllium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.001
PZ-182	PMP	E006	Boron, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.398	2.23
PZ-182	PMP	E006	Cadmium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.001
PZ-182	PMP	E006	Chloride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	16.7	1,370
PZ-182	PMP	E006	Chromium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0015	0.0125
PZ-182	PMP	E006	Cobalt, total	mg/L	03/14/23 - 07/17/24	7	86	Most recent sample	0.001	0.00220
PZ-182	PMP	E006	Fluoride, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.148	3.36
PZ-182	PMP	E006	Lead, total	mg/L	03/14/23 - 07/17/24	7	86	CI around median	0.001	0.00220
PZ-182	PMP	E006	Lithium, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	0.00978	0.123
PZ-182	PMP	E006	Mercury, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0002	0.0002
PZ-182	PMP	E006	Molybdenum, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.0015	0.0782
PZ-182	PMP	E006	pH (field)	SU	03/14/23 - 07/17/24	7	0	CI around mean	6.5/6.7	7.3/8.4
PZ-182	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/14/23 - 07/17/24	7	0	CI around mean	0.334	4.14
PZ-182	PMP	E006	Selenium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.001	0.00320
PZ-182	PMP	E006	Sulfate, total	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	133	228
PZ-182	PMP	E006	Thallium, total	mg/L	03/14/23 - 07/17/24	7	100	All ND - Last	0.002	0.002
PZ-182	PMP	E006	Total Dissolved Solids	mg/L	03/14/23 - 07/17/24	7	0	CI around mean	608	3,260

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
- PMP = Potential Migration Pathway
- UA = Uppermost Aquifer
- UU = Upper Unit

mg/L = milligrams per liter
Missing Code (if applicable):
- NR[1] = Select parameters were not analyzed.
- NS[1] = This well has been, or will be, abandoned; therefore, a sample was not collected.
- NS[2] = Well either needs or was undergoing maintenance, therefore, a sample was not collected.
- NS[3] = A sample was not collected because the location was inaccessible.
- NS[4] = The location could not be found, therefore a sample was not collected.
- NS[5] = A sample was not collected because of damage to the well.
- NS[6] = A sample was not collected because of pump issues.
- NS[7] = A sample was not collected because the well was either dry or was purged dry and did not recover.
- PM[1] = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.

ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
- All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
- CB around T-S line = Confidence band around Thiel-Sen line
- CB around linear reg = Confidence band around linear regression
- CI around geomean = Confidence interval around the geometric mean
- CI around mean = Confidence interval around the mean
- CI around median = Confidence interval around the median
- Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination

APPENDIX D
BACKGROUND UPDATE SUPPORTING INFORMATION

ATTACHMENT D1
BACKGROUND GROUNDWATER QUALITY AND STANDARDS
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Parameter	Background Concentration	845 Limit	Groundwater Protection Standard	Unit
Antimony, total	0.0023	0.006	0.006	mg/L
Arsenic, total	0.00578	0.010	0.010	mg/L
Barium, total	0.261	2.0	2.0	mg/L
Beryllium, total	0.001	0.004	0.004	mg/L
Boron, total	2.23	2	2.23	mg/L
Cadmium, total	0.001	0.005	0.005	mg/L
Chloride, total	1370	200	1370	mg/L
Chromium, total	0.0125	0.1	0.1	mg/L
Cobalt, total	0.0022	0.006	0.006	mg/L
Fluoride, total	3.36	4.0	4.0	mg/L
Lead, total	0.0022	0.0075	0.0075	mg/L
Lithium, total	0.123	0.04	0.123	mg/L
Mercury, total	0.0002	0.002	0.002	mg/L
Molybdenum, total	0.0782	0.1	0.1	mg/L
pH (field)	8.4 / 7.3	9.0 / 6.5	9.0 / 6.5	SU
Radium 226 and 228 combined	4.14	5	5	pCi/L
Selenium, total	0.0032	0.05	0.05	mg/L
Sulfate, total	228	400	400	mg/L
Thallium, total	0.002	0.002	0.002	mg/L
Total Dissolved Solids	3260	1200	3260	mg/L

Notes:
For pH, the values presented are the upper / lower limits
Groundwater protection standards for calcium and turbidity do not apply per 35 I.A.C. § 845.600(b)
mg/L = milligrams per liter
SU = standard units
pCi/L = picocuries per liter

ATTACHMENT D2
BACKGROUND UPDATE SUPPORTING INFORMATION
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Parameter	Statistic	Previous	New
Antimony, total	Sample Count	24	18
	Percent Non-Detect	71	83
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Arsenic, total	Sample Count	24	18
	Percent Non-Detect	12	11
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Log Normal	Normal
	Trend	No Trend	No Trend
Barium, total	Sample Count	24	18
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Beryllium, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	Downward	No Trend
Cadmium, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	Upward	No Trend
Chromium, total	Sample Count	24	18
	Percent Non-Detect	88	83
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Cobalt, total	Sample Count	24	18
	Percent Non-Detect	92	89
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Fluoride, total	Sample Count	24	18
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Normal	Non-Normal
	Trend	No Trend	No Trend
Lead, total	Sample Count	24	18
	Percent Non-Detect	96	94
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Lithium, total	Sample Count	24	18

ATTACHMENT D2
BACKGROUND UPDATE SUPPORTING INFORMATION
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Parameter	Statistic	Previous	New
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Normal	Normal
	Trend	No Trend	No Trend
Mercury, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Molybdenum, total	Sample Count	24	18
	Percent Non-Detect	33	50
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Radium 226 + Radium 228, total	Sample Count	24	18
	Percent Non-Detect	0	0
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Log Normal	Log Normal
	Trend	No Trend	No Trend
Selenium, total	Sample Count	24	18
	Percent Non-Detect	96	94
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend
Thallium, total	Sample Count	24	18
	Percent Non-Detect	100	100
	Date Range	10/26/2022 - 05/23/2023	10/26/2022 - 08/07/2023
	Data Normality	Non-Normal	Non-Normal
	Trend	No Trend	No Trend

Notes:
One background well (MW-306, abandoned in 2024) was removed from the monitoring system in 2024.

ATTACHMENT D3
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-304	10/26/2022	Antimony, total	mg/L	0.0004 U
MW-304	11/17/2022	Antimony, total	mg/L	0.0004 U
MW-304	12/14/2022	Antimony, total	mg/L	0.0004 U
MW-304	01/11/2023	Antimony, total	mg/L	0.0004 U
MW-304	02/20/2023	Antimony, total	mg/L	0.0004 U
MW-304	03/15/2023	Antimony, total	mg/L	0.0004 U
MW-304	04/04/2023	Antimony, total	mg/L	0.0004 U
MW-304	05/22/2023	Antimony, total	mg/L	0.0006 J
MW-304	08/03/2023	Antimony, total	mg/L	0.0004 U
MW-304	10/26/2022	Arsenic, total	mg/L	0.00270
MW-304	11/17/2022	Arsenic, total	mg/L	0.00330
MW-304	12/14/2022	Arsenic, total	mg/L	0.00300
MW-304	01/11/2023	Arsenic, total	mg/L	0.00270
MW-304	02/20/2023	Arsenic, total	mg/L	0.00300
MW-304	03/15/2023	Arsenic, total	mg/L	0.00340
MW-304	04/04/2023	Arsenic, total	mg/L	0.00510
MW-304	05/22/2023	Arsenic, total	mg/L	0.0087 U
MW-304	08/03/2023	Arsenic, total	mg/L	0.00220
MW-304	10/26/2022	Barium, total	mg/L	0.0186
MW-304	11/17/2022	Barium, total	mg/L	0.0209
MW-304	12/14/2022	Barium, total	mg/L	0.0191
MW-304	01/11/2023	Barium, total	mg/L	0.0173
MW-304	02/20/2023	Barium, total	mg/L	0.0216
MW-304	03/15/2023	Barium, total	mg/L	0.0206
MW-304	04/04/2023	Barium, total	mg/L	0.0324
MW-304	05/22/2023	Barium, total	mg/L	0.0199
MW-304	08/03/2023	Barium, total	mg/L	0.0201
MW-304	10/26/2022	Beryllium, total	mg/L	0.0002 U
MW-304	11/17/2022	Beryllium, total	mg/L	0.0002 U
MW-304	12/14/2022	Beryllium, total	mg/L	0.0002 U
MW-304	01/11/2023	Beryllium, total	mg/L	0.0002 U
MW-304	02/20/2023	Beryllium, total	mg/L	0.0002 U
MW-304	03/15/2023	Beryllium, total	mg/L	0.0002 U
MW-304	04/04/2023	Beryllium, total	mg/L	0.0002 U
MW-304	05/22/2023	Beryllium, total	mg/L	0.0002 U
MW-304	08/03/2023	Beryllium, total	mg/L	0.0002 U
MW-304	10/26/2022	Cadmium, total	mg/L	0.0002 U
MW-304	11/17/2022	Cadmium, total	mg/L	0.0002 U
MW-304	12/14/2022	Cadmium, total	mg/L	0.0002 U
MW-304	01/11/2023	Cadmium, total	mg/L	0.0002 U
MW-304	02/20/2023	Cadmium, total	mg/L	0.0002 U
MW-304	03/15/2023	Cadmium, total	mg/L	0.0002 U
MW-304	04/04/2023	Cadmium, total	mg/L	0.0002 U
MW-304	05/22/2023	Cadmium, total	mg/L	0.0005 U
MW-304	08/03/2023	Cadmium, total	mg/L	0.0002 U
MW-304	10/26/2022	Chromium, total	mg/L	0.0007 U

ATTACHMENT D3
ANALYTICAL RESULTS USED IN BACKGROUND CALCULATIONS
2024 35 I.A.C. § 845 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
BALDWIN POWER PLANT
BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-304	11/17/2022	Chromium, total	mg/L	0.0007 U
MW-304	12/14/2022	Chromium, total	mg/L	0.0007 U
MW-304	01/11/2023	Chromium, total	mg/L	0.0007 U
MW-304	02/20/2023	Chromium, total	mg/L	0.0007 U
MW-304	03/15/2023	Chromium, total	mg/L	0.0007 U
MW-304	04/04/2023	Chromium, total	mg/L	0.0007 U
MW-304	05/22/2023	Chromium, total	mg/L	0.0028 U
MW-304	08/03/2023	Chromium, total	mg/L	0.0007 U
MW-304	10/26/2022	Cobalt, total	mg/L	0.0001 U
MW-304	11/17/2022	Cobalt, total	mg/L	0.0001 U
MW-304	12/14/2022	Cobalt, total	mg/L	0.0001 U
MW-304	01/11/2023	Cobalt, total	mg/L	0.0001 U
MW-304	02/20/2023	Cobalt, total	mg/L	0.0001 U
MW-304	03/15/2023	Cobalt, total	mg/L	0.0001 U
MW-304	04/04/2023	Cobalt, total	mg/L	0.0001 U
MW-304	05/22/2023	Cobalt, total	mg/L	0.0001 U
MW-304	08/03/2023	Cobalt, total	mg/L	0.0001 U
MW-304	10/26/2022	Fluoride, total	mg/L	1.72
MW-304	11/17/2022	Fluoride, total	mg/L	1.70
MW-304	12/14/2022	Fluoride, total	mg/L	1.82
MW-304	01/11/2023	Fluoride, total	mg/L	1.68
MW-304	02/20/2023	Fluoride, total	mg/L	1.67
MW-304	03/15/2023	Fluoride, total	mg/L	1.67
MW-304	04/04/2023	Fluoride, total	mg/L	1.81
MW-304	05/22/2023	Fluoride, total	mg/L	1.72
MW-304	08/03/2023	Fluoride, total	mg/L	1.70
MW-304	10/26/2022	Lead, total	mg/L	0.0006 U
MW-304	11/17/2022	Lead, total	mg/L	0.0006 U
MW-304	12/14/2022	Lead, total	mg/L	0.0006 U
MW-304	01/11/2023	Lead, total	mg/L	0.0006 U
MW-304	02/20/2023	Lead, total	mg/L	0.0006 U
MW-304	03/15/2023	Lead, total	mg/L	0.0006 U
MW-304	04/04/2023	Lead, total	mg/L	0.0006 U
MW-304	05/22/2023	Lead, total	mg/L	0.004 U
MW-304	08/03/2023	Lead, total	mg/L	0.0006 U
MW-304	10/26/2022	Lithium, total	mg/L	0.0869
MW-304	11/17/2022	Lithium, total	mg/L	0.0635
MW-304	12/14/2022	Lithium, total	mg/L	0.0756
MW-304	01/11/2023	Lithium, total	mg/L	0.0819
MW-304	02/20/2023	Lithium, total	mg/L	0.0818
MW-304	03/15/2023	Lithium, total	mg/L	0.0940
MW-304	04/04/2023	Lithium, total	mg/L	0.0808
MW-304	05/22/2023	Lithium, total	mg/L	0.0603
MW-304	08/03/2023	Lithium, total	mg/L	0.0779
MW-304	10/26/2022	Mercury, total	mg/L	0.00006 U
MW-304	11/17/2022	Mercury, total	mg/L	0.00007 U

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BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-304	12/14/2022	Mercury, total	mg/L	0.00008 U
MW-304	01/11/2023	Mercury, total	mg/L	0.00006 U
MW-304	02/20/2023	Mercury, total	mg/L	0.00006 U
MW-304	03/15/2023	Mercury, total	mg/L	0.00006 U
MW-304	04/04/2023	Mercury, total	mg/L	0.00006 U
MW-304	05/22/2023	Mercury, total	mg/L	0.0001 J
MW-304	08/03/2023	Mercury, total	mg/L	0.00012 U
MW-304	10/26/2022	Molybdenum, total	mg/L	0.0013 J
MW-304	11/17/2022	Molybdenum, total	mg/L	0.0011 J
MW-304	12/14/2022	Molybdenum, total	mg/L	0.0009 J
MW-304	01/11/2023	Molybdenum, total	mg/L	0.0007 J
MW-304	02/20/2023	Molybdenum, total	mg/L	0.001 J
MW-304	03/15/2023	Molybdenum, total	mg/L	0.0008 J
MW-304	04/04/2023	Molybdenum, total	mg/L	0.001 J
MW-304	05/22/2023	Molybdenum, total	mg/L	0.0037 U
MW-304	08/03/2023	Molybdenum, total	mg/L	0.0008 J
MW-304	10/26/2022	Radium 226 + Radium 228, total	pCi/L	0.693
MW-304	11/17/2022	Radium 226 + Radium 228, total	pCi/L	0.217
MW-304	12/14/2022	Radium 226 + Radium 228, total	pCi/L	0.632
MW-304	01/11/2023	Radium 226 + Radium 228, total	pCi/L	0.213
MW-304	02/20/2023	Radium 226 + Radium 228, total	pCi/L	0.294
MW-304	03/15/2023	Radium 226 + Radium 228, total	pCi/L	0.265
MW-304	04/04/2023	Radium 226 + Radium 228, total	pCi/L	0.932
MW-304	05/22/2023	Radium 226 + Radium 228, total	pCi/L	0.381
MW-304	08/03/2023	Radium 226 + Radium 228, total	pCi/L	0.937
MW-304	10/26/2022	Selenium, total	mg/L	0.0006 U
MW-304	11/17/2022	Selenium, total	mg/L	0.0006 U
MW-304	12/14/2022	Selenium, total	mg/L	0.0006 U
MW-304	01/11/2023	Selenium, total	mg/L	0.0006 U
MW-304	02/20/2023	Selenium, total	mg/L	0.0006 U
MW-304	03/15/2023	Selenium, total	mg/L	0.0006 U
MW-304	04/04/2023	Selenium, total	mg/L	0.0006 U
MW-304	05/22/2023	Selenium, total	mg/L	0.0006 U
MW-304	08/03/2023	Selenium, total	mg/L	0.0006 U
MW-304	10/26/2022	Thallium, total	mg/L	0.001 U
MW-304	11/17/2022	Thallium, total	mg/L	0.001 U
MW-304	12/14/2022	Thallium, total	mg/L	0.001 U
MW-304	01/11/2023	Thallium, total	mg/L	0.001 U
MW-304	02/20/2023	Thallium, total	mg/L	0.001 U
MW-304	03/15/2023	Thallium, total	mg/L	0.001 U
MW-304	04/04/2023	Thallium, total	mg/L	0.001 U
MW-304	05/22/2023	Thallium, total	mg/L	0.001 U
MW-304	08/03/2023	Thallium, total	mg/L	0.001 U
MW-358	10/27/2022	Antimony, total	mg/L	0.00220
MW-358	11/17/2022	Antimony, total	mg/L	0.00230
MW-358	12/13/2022	Antimony, total	mg/L	0.00150

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BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-358	01/11/2023	Antimony, total	mg/L	0.0004 U
MW-358	02/20/2023	Antimony, total	mg/L	0.0008 J
MW-358	03/13/2023	Antimony, total	mg/L	0.0004 U
MW-358	04/04/2023	Antimony, total	mg/L	0.0004 U
MW-358	05/19/2023	Antimony, total	mg/L	0.0004 U
MW-358	08/07/2023	Antimony, total	mg/L	0.0004 U
MW-358	10/27/2022	Arsenic, total	mg/L	0.00300
MW-358	11/17/2022	Arsenic, total	mg/L	0.00210
MW-358	12/13/2022	Arsenic, total	mg/L	0.00340
MW-358	01/11/2023	Arsenic, total	mg/L	0.00140
MW-358	02/20/2023	Arsenic, total	mg/L	0.00220
MW-358	03/13/2023	Arsenic, total	mg/L	0.00210
MW-358	04/04/2023	Arsenic, total	mg/L	0.00380
MW-358	05/19/2023	Arsenic, total	mg/L	0.0087 U
MW-358	08/07/2023	Arsenic, total	mg/L	0.00380
MW-358	10/27/2022	Barium, total	mg/L	0.0933
MW-358	11/17/2022	Barium, total	mg/L	0.172
MW-358	12/13/2022	Barium, total	mg/L	0.168
MW-358	01/11/2023	Barium, total	mg/L	0.165
MW-358	02/20/2023	Barium, total	mg/L	0.201
MW-358	03/13/2023	Barium, total	mg/L	0.166
MW-358	04/04/2023	Barium, total	mg/L	0.261
MW-358	05/19/2023	Barium, total	mg/L	0.192
MW-358	08/07/2023	Barium, total	mg/L	0.235
MW-358	10/27/2022	Beryllium, total	mg/L	0.0003 J
MW-358	11/17/2022	Beryllium, total	mg/L	0.0002 U
MW-358	12/13/2022	Beryllium, total	mg/L	0.0002 U
MW-358	01/11/2023	Beryllium, total	mg/L	0.0002 U
MW-358	02/20/2023	Beryllium, total	mg/L	0.0002 U
MW-358	03/13/2023	Beryllium, total	mg/L	0.0002 U
MW-358	04/04/2023	Beryllium, total	mg/L	0.0002 U
MW-358	05/19/2023	Beryllium, total	mg/L	0.0002 U
MW-358	08/07/2023	Beryllium, total	mg/L	0.0002 U
MW-358	10/27/2022	Cadmium, total	mg/L	0.0002 U
MW-358	11/17/2022	Cadmium, total	mg/L	0.0002 U
MW-358	12/13/2022	Cadmium, total	mg/L	0.0002 U
MW-358	01/11/2023	Cadmium, total	mg/L	0.0002 U
MW-358	02/20/2023	Cadmium, total	mg/L	0.0002 U
MW-358	03/13/2023	Cadmium, total	mg/L	0.0002 U
MW-358	04/04/2023	Cadmium, total	mg/L	0.0002 U
MW-358	05/19/2023	Cadmium, total	mg/L	0.0005 U
MW-358	08/07/2023	Cadmium, total	mg/L	0.0002 U
MW-358	10/27/2022	Chromium, total	mg/L	0.0125
MW-358	11/17/2022	Chromium, total	mg/L	0.00540
MW-358	12/13/2022	Chromium, total	mg/L	0.00440
MW-358	01/11/2023	Chromium, total	mg/L	0.0007 U

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BOTTOM ASH POND
BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-358	02/20/2023	Chromium, total	mg/L	0.0007 U
MW-358	03/13/2023	Chromium, total	mg/L	0.0007 U
MW-358	04/04/2023	Chromium, total	mg/L	0.0007 U
MW-358	05/19/2023	Chromium, total	mg/L	0.0028 U
MW-358	08/07/2023	Chromium, total	mg/L	0.001 J
MW-358	10/27/2022	Cobalt, total	mg/L	0.00220
MW-358	11/17/2022	Cobalt, total	mg/L	0.00140
MW-358	12/13/2022	Cobalt, total	mg/L	0.0008 J
MW-358	01/11/2023	Cobalt, total	mg/L	0.0001 J
MW-358	02/20/2023	Cobalt, total	mg/L	0.0001 U
MW-358	03/13/2023	Cobalt, total	mg/L	0.0001 U
MW-358	04/04/2023	Cobalt, total	mg/L	0.0002 J
MW-358	05/19/2023	Cobalt, total	mg/L	0.0003 J
MW-358	08/07/2023	Cobalt, total	mg/L	0.0001 U
MW-358	10/27/2022	Fluoride, total	mg/L	2.43
MW-358	11/17/2022	Fluoride, total	mg/L	2.36
MW-358	12/13/2022	Fluoride, total	mg/L	2.10
MW-358	01/11/2023	Fluoride, total	mg/L	2.73
MW-358	02/20/2023	Fluoride, total	mg/L	2.87
MW-358	03/13/2023	Fluoride, total	mg/L	3.07
MW-358	04/04/2023	Fluoride, total	mg/L	3.13
MW-358	05/19/2023	Fluoride, total	mg/L	3.31
MW-358	08/07/2023	Fluoride, total	mg/L	3.36
MW-358	10/27/2022	Lead, total	mg/L	0.00220
MW-358	11/17/2022	Lead, total	mg/L	0.0006 U
MW-358	12/13/2022	Lead, total	mg/L	0.0008 J
MW-358	01/11/2023	Lead, total	mg/L	0.0006 U
MW-358	02/20/2023	Lead, total	mg/L	0.0006 U
MW-358	03/13/2023	Lead, total	mg/L	0.0006 U
MW-358	04/04/2023	Lead, total	mg/L	0.0006 U
MW-358	05/19/2023	Lead, total	mg/L	0.004 U
MW-358	08/07/2023	Lead, total	mg/L	0.0006 U
MW-358	10/27/2022	Lithium, total	mg/L	0.0621
MW-358	11/17/2022	Lithium, total	mg/L	0.0592
MW-358	12/13/2022	Lithium, total	mg/L	0.0696
MW-358	01/11/2023	Lithium, total	mg/L	0.0957
MW-358	02/20/2023	Lithium, total	mg/L	0.102
MW-358	03/13/2023	Lithium, total	mg/L	0.115
MW-358	04/04/2023	Lithium, total	mg/L	0.105
MW-358	05/19/2023	Lithium, total	mg/L	0.0778 J+
MW-358	08/07/2023	Lithium, total	mg/L	0.0961
MW-358	10/27/2022	Mercury, total	mg/L	0.00013 J
MW-358	11/17/2022	Mercury, total	mg/L	0.00007 U
MW-358	12/13/2022	Mercury, total	mg/L	0.00008 U
MW-358	01/11/2023	Mercury, total	mg/L	0.00006 U
MW-358	02/20/2023	Mercury, total	mg/L	0.00006 U

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BALDWIN, IL

Well ID	Date	Parameter	Unit	Result
MW-358	03/13/2023	Mercury, total	mg/L	0.00006 J
MW-358	04/04/2023	Mercury, total	mg/L	0.00006 U
MW-358	05/19/2023	Mercury, total	mg/L	0.00009 U
MW-358	08/07/2023	Mercury, total	mg/L	0.00006 U
MW-358	10/27/2022	Molybdenum, total	mg/L	0.0782
MW-358	11/17/2022	Molybdenum, total	mg/L	0.0475
MW-358	12/13/2022	Molybdenum, total	mg/L	0.0388
MW-358	01/11/2023	Molybdenum, total	mg/L	0.0165
MW-358	02/20/2023	Molybdenum, total	mg/L	0.0199
MW-358	03/13/2023	Molybdenum, total	mg/L	0.0137
MW-358	04/04/2023	Molybdenum, total	mg/L	0.0217
MW-358	05/19/2023	Molybdenum, total	mg/L	0.0139
MW-358	08/07/2023	Molybdenum, total	mg/L	0.0175
MW-358	10/27/2022	Radium 226 + Radium 228, total	pCi/L	3.57
MW-358	11/17/2022	Radium 226 + Radium 228, total	pCi/L	1.28
MW-358	12/13/2022	Radium 226 + Radium 228, total	pCi/L	1.86
MW-358	01/11/2023	Radium 226 + Radium 228, total	pCi/L	0.793
MW-358	02/20/2023	Radium 226 + Radium 228, total	pCi/L	0.731
MW-358	03/13/2023	Radium 226 + Radium 228, total	pCi/L	0.624
MW-358	04/04/2023	Radium 226 + Radium 228, total	pCi/L	0.873
MW-358	05/19/2023	Radium 226 + Radium 228, total	pCi/L	0.816
MW-358	08/07/2023	Radium 226 + Radium 228, total	pCi/L	0.908
MW-358	10/27/2022	Selenium, total	mg/L	0.00320
MW-358	11/17/2022	Selenium, total	mg/L	0.0006 U
MW-358	12/13/2022	Selenium, total	mg/L	0.0006 U
MW-358	01/11/2023	Selenium, total	mg/L	0.0006 U
MW-358	02/20/2023	Selenium, total	mg/L	0.0006 U
MW-358	03/13/2023	Selenium, total	mg/L	0.0006 U
MW-358	04/04/2023	Selenium, total	mg/L	0.0006 U
MW-358	05/19/2023	Selenium, total	mg/L	0.0006 U
MW-358	08/07/2023	Selenium, total	mg/L	0.0006 U
MW-358	10/27/2022	Thallium, total	mg/L	0.001 U
MW-358	11/17/2022	Thallium, total	mg/L	0.001 U
MW-358	12/13/2022	Thallium, total	mg/L	0.001 U
MW-358	01/11/2023	Thallium, total	mg/L	0.001 U
MW-358	02/20/2023	Thallium, total	mg/L	0.001 U
MW-358	03/13/2023	Thallium, total	mg/L	0.001 U
MW-358	04/04/2023	Thallium, total	mg/L	0.001 U
MW-358	05/19/2023	Thallium, total	mg/L	0.001 U
MW-358	08/07/2023	Thallium, total	mg/L	0.001 U

Notes:
Data qualifiers as defined in the United States Environmental Protection Agency's *National Functional Guidelines for Inorganic Superfund Methods Data Review* (2020):

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

mg/L = milligrams per liter
pCi/L = picoCuries per liter

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