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 Fly Ash Pond System (IEPA ID W1578510001-01,02,03) 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 Fly Ash Pond System (IEPA ID W1578510001-01,02,03), as enclosed.

Sincerely,

Phil Morris
Senior Environmental Director

Enclosures

Annual Consolidated Report
Dynegy Midwest Generation, LLC
Baldwin Power Plant
Fly Ash Pond System; IEPA **ID W1578510001-01,02,03**

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

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	East Fly 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.	Cap and closure of the East Fly Ash Pond was completed in 2020.
(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	Cap and closure of the East Fly Ash Pond was completed in 2020.
(b)(2)(E) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 2250 acre-feet of CCR and cover material.
(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: East Fly Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P003	Piezometer	abandoned
P004	Piezometer	abandoned
P005	Piezometer	abandoned

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		0			0	
CCR	447		460	47		60

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	Old East Fly 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.	Cap and closure completed in 2020.
(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	Cap and closure completed in 2020. No further impounding capacity.
(b)(2)(E) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 3000 acre-feet of CCR and cover material.
(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))	Cap and closure completed in 2020. No further impounding capacity.

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: Old East Fly Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P006	Piezometer	abandoned
P007	Piezometer	433.8'
P008	Piezometer	abandoned
P009	Piezometer	abandoned
P010	Piezometer	abandoned
P011	Piezometer	abandoned
P012	Piezometer	abandoned

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		0			0	
CCR	447		458	26.5		37.5

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	West Fly 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.	Cap and Closure completed 2020.
(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	Cap and Closure completed 2020. West Fly Ash Pond no longer able to impound.
(b)(2)(E) The approximate volume of the impounded water and CCR contained in the unit at the time of the inspection.	Approximately 1000 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))	Cap and Closure completed 2020. West Fly Ash Pond no longer able to impound.

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: West Fly Ash Pond

35 IAC § 845.540 (b)(2)(B)		
Instrument ID #	Type	Maximum recorded reading since previous annual inspection (ft)
P004	Piezometer	abandoned

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		0			0	
CCR	418		446	33		61

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.
1940106781-002

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

FLY ASH POND SYSTEM

BALDWIN POWER PLANT

BALDWIN, ILLINOIS

IEPA ID NO. W1578510001-01, W1578510001-02, AND W1578510001-03

RAMBOLL Bright ideas. Sustainable change.

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

Project name	**Baldwin Power Plant Fly Ash Pond System**
Project no.	**1940106781-002**
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	**Eric J. Tlachac, PE**
Description	**Annual Report required by 35 I.A.C. § 845**

Ramboll
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Milwaukee, WI 53204
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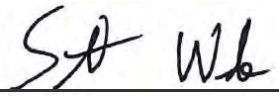
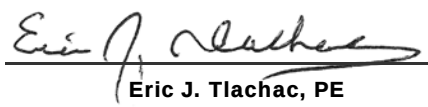


Scott S. Woods
Hydrogeologist



Eric J. Tlachac, PE
Senior Project Manager

CONTENTS

TABLES (IN TEXT)

TABLES (ATTACHED)

FIGURES (ATTACHED)

ATTACHMENTS

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
40 C.F.R.	Title 40 of the Code of Federal Regulations
ASD	Alternative Source Demonstration
BAP	Bottom Ash Pond
BPP	Baldwin Power Plant
CCA	compliance commitment agreement
CCR	coal combustion residuals
CMA	assessment of corrective measures
DMG	Dynegy Midwest Generation, LLC
E003	Quarter 4, 2023 sampling event
E004	Quarter 1, 2024 sampling event
E005	Quarter 2, 2024 sampling event
E006	Quarter 3, 2024 sampling event
E006R	Quarter 3, 2024 resampling event
E007	Quarter 4, 2024 sampling event
FAPS	Fly Ash Pond System
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 Fly Ash Pond System (FAPS) located at Baldwin Power Plant (BPP) near Baldwin, Illinois. The FAPS is recognized by coal combustion residuals (CCR) unit identification (ID) number (No.) 605, Illinois Environmental Protection Agency (IEPA) ID No. W1578510001-01, W1578510001-02, and W1578510001-03, and National Inventory of Dams (NID) No. IL50721.

The FAPS was closed in accordance with the Closure and Post Closure Care Plan submitted to the IEPA in March 2016. The IEPA approved the Closure and Post-Closure Care Plan on August 16, 2016. Closure of the FAPS was completed on November 17, 2020.

As required by 35 I.A.C. § 845, an operating permit application for the FAPS was submitted by Dynegy Midwest Generation, LLC (DMG) to the 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 the IEPA on December 28, 2022. As specified in the CCA, groundwater monitoring in accordance with the proposed groundwater monitoring plan and sampling methodologies provided in the operating permit application for the FAPS commenced in the second quarter of 2023 and quarterly groundwater sampling was conducted 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 FAPS 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 and compliance monitoring wells MW-253, MW-350, and MW-391 were abandoned at the FAPS. Four of the five wells were replaced: MW-358R, MW-253R, MW-350R, and MW-391R. 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 operating 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[2] (Ramboll, 2024a; Ramboll, 2024b; and Ramboll, 2024c):

- Boron in MW-150, and MW-391

[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 FAPS. 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.

- Fluoride in MW-384
- pH (field) in MW-253 and MW-350
- Sulfate in MW-150, MW-252, MW-253R, and MW-366

An Alternative Source Demonstration (ASD) was completed on February 6, 2024 (Geosyntec, 2024) for the pH GWPS exceedance detected at MW-253 during the Quarter 3, 2023. The IEPA provided written concurrence with the ASD on March 7, 2024 (**Attachment B**). ASDs were not completed for the boron and sulfate GWPS exceedances listed above; therefore an assessment of corrective measures (CMA) was initiated in accordance with 35 I.A.C. § 845.660(d)(3). The CMA was initiated on November 26, 2023. A CMA extension request was submitted to the IEPA on November 27, 2023 and approved on December 20, 2023. The CMA extension request and IEPA approval letter were included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024d).

The CMA was completed in accordance with 35 I.A.C. § 845.660 and submitted to IEPA on April 24, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, a semiannual report describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan was submitted to the IEPA on September 5, 2024 (Ramboll, 2024f) to align with the schedule for similar reports required by Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.97(a).

As required by 35 I.A.C. § 845.670, a corrective action plan (CAP) that identifies the selected remedy must be submitted to IEPA within one year after completing the CMA. Accordingly, a CAP will be submitted to the IEPA on or before April 24, 2025 that meets the requirements of both 40 C.F.R. § 257 and 35 I.A.C. § 845, and a public meeting will be held prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d). Activities currently ongoing in support of developing the corrective action plan include development of a corrective action alternatives analysis, human health and ecological risk assessment, and supporting technical documents. Upon selection of a remedy, a permit application will be submitted in accordance with 35 I.A.C. § 845.220(c). Remedial activities were not initiated under 35 I.A.C. § 845.780 in 2024.

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**.

1. INTRODUCTION

This report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of DMG, to provide the information required by 35 I.A.C. § 845.610(e) for the FAPS located at BPP near Baldwin, Illinois. The owner or operator of a CCR surface impoundment (SI) must prepare and submit to the 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 FAPS for calendar year 2024.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

The FAPS was closed in accordance with the Closure and Post Closure Care Plan submitted to the IEPA in March 2016. The IEPA approved the Closure and Post-Closure Care Plan on August 16, 2016. Closure of the FAPS was completed on November 17, 2020.

An operating permit application for the FAPS was submitted by DMG to the 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 the IEPA on December 28, 2022. Groundwater monitoring in accordance with the proposed groundwater monitoring plan and sampling methodologies provided in the operating permit application for the FAPS commenced in the second quarter of 2023, in accordance with the CCA. The groundwater monitoring system for the FAPS was expanded in 2023 to incorporate MW-358 as an additional background well to coincide with the monitoring system update at the Bottom Ash Pond (BAP), documented in the revised GMP dated August 25, 2023 (Ramboll, 2023). Monitoring of the expanded monitoring system commenced in the second quarter of 2023. After the FAPS 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.

As noted in the **Executive Summary** and **Section 3.2**, GWPS exceedances were determined for the FAPS in 2024. An Alternative Source Demonstration (ASD) was completed on February 6, 2024 (Geosyntec, 2024) for the pH GWPS exceedance detected at MW-253 during the Quarter 3, 2023. IEPA provided written concurrence with the ASD on March 7, 2024 (**Attachment B**). An ASD was not completed for the boron and sulfate GWPS exceedances; they will be addressed in accordance with 35 I.A.C. § 845.660. The associated CMA was initiated on November 26, 2023. A CMA extension request was submitted to IEPA on November 27, 2023 and approved on December 20, 2023. The CMA extension request was included in the 2023 Annual Groundwater Monitoring and Corrective Action Report (Ramboll, 2024e). The CMA was completed in accordance with 35 I.A.C. § 845.660 and submitted to IEPA on April 24, 2024 (Ramboll, 2024e). In accordance with 35 I.A.C. § 845.670, a semiannual report describing the progress in selecting and designing a groundwater corrective action remedy and developing a corrective action plan was submitted to the IEPA on September 5, 2024 (Ramboll, 2024f) to align with the schedule for similar reports required by Title 40 of the Code of Federal Regulations (40 C.F.R.) § 257.97(a).

As required by 35 I.A.C. § 845.670, a corrective action plan (CAP) that identifies the selected remedy must be submitted to the IEPA within one year after completing the CMA. Accordingly, a CAP will be submitted to the IEPA on or before April 24, 2025 that meets the requirements of both 40 C.F.R. § 257 and 35 I.A.C. § 845, and a public meeting will be held prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d). Activities currently ongoing in support of developing the corrective action plan include development of a corrective action alternatives analysis, human health and ecological risk assessment, and supporting technical documents.

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 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 (**Attachment B**). Consequently, a work plan to address this contamination via well abandonment and replacement was submitted to the IEPA on March 14, 2024 (Luminant, 2024a). Similar conditions were also observed historically in background well MW-306 and in complance 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. Monitoring wells MW-253R and MW-350R were installed at replacements wells for MW-253 and MW-350, respectively. Updates to the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023) will be considered following IEPA review and approval of an operating permit.

During the associated field mobilization, compliance well MW-391 was inspected following erratic constituent concentration and groundwater elevation behavior. During the inspection, one of the casing joints in MW-391 was observed to be compromised. A technical memorandum summarizing replacement recommendations was prepared by Ramboll and submitted by DMG to the IEPA (Luminant, 2024b), and these replacement recommendations were approved by the IEPA on September 17, 2024. As replacement options were identified and considered for MW-391, abnormally high groundwater elevations were observed in background well MW-358. Consequently, MW-358 was also inspected and one of the casing joints in MW-358 was also observed to be compromised. The IEPA was notified on September 16, 2024 (Luminant, 2024c) and both MW-391 and -358 were subsequently abandoned and replaced in October 2024. Updates to the monitoring system are summarized in **Table A** on the following page.

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-350	MW-350	MW-350R	MW-350R
Compliance	MW-366	MW-366	MW-366	MW-366
Compliance	MW-375	MW-375	MW-375	MW-375
Compliance	MW-377	MW-377	MW-377	MW-377
Compliance	MW-383	MW-383	MW-383	MW-383
Compliance	MW-384	MW-384	MW-384	MW-384
Compliance	MW-390	MW-390	MW-390	MW-390
Compliance	MW-391	MW-391	MW-391	MW-391R
Compliance	MW-150	MW-150	MW-150	MW-150
Compliance	MW-151	MW-151	MW-151	MW-151
Compliance	MW-152	MW-152	MW-152	MW-152
Compliance	MW-153	MW-153	MW-153	MW-153
Compliance	MW-252	MW-252	MW-252	MW-252
Compliance	MW-253	MW-253	MW-253R	MW-253R
Compliance	MW-352	MW-352	MW-352	MW-352
Background		MW-358	MW-358	MW-358R

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**[3].

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, 2023).

[3] During the April 2024 sampling event, MW-391 was dry at time of sampling; therefore, groundwater elevation data was not recorded. Compliance monitoring wells MW-253 and MW-350 were abandoned and replaced in May 2024; therefore, groundwater elevation data were not recorded during April 2024 sampling event. Background monitoring well MW-306 was abandoned in May 2024 due to grout contamination; therefore, groundwater elevation data was not recorded during April 2024 sampling event.

3.1 Sample and Analysis Summary

One groundwater sample was collected from each background and compliance well during each quarterly monitoring event in 2024[4,5,6]. All samples were collected and analyzed in accordance with the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023). 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.

[4] During the April 2024 sampling event, MW-391 was dry at time of sampling; therefore, no groundwater sample was collected. Compliance monitoring wells MW-253 and MW-350 were being abandoned and replaced in May 2024 due to grout contamination; therefore, no groundwater samples were collected during the April 2024 sampling event. Background monitoring well MW-306 was also being abandoned in May 2024 due to grout contamination; therefore, no groundwater sampled was collected during the April 2024 sampling event.

[5] During the July 2024 sampling event the following background well were sampled: MW-304 and MW-358. During the July 2024 sampling event the following compliance wells were sampled: MW-150, MW-151, MW-152, MW-153, MW-252, MW-253R, MW-350R, MW-352, MW-366, MW-375, MW-377, MW-383, MW-384, MW-390, MW-391.

[6] Background monitoring well MW-358 and compliance monitoring well MW-391 were abandoned and replaced with MW-358R and MW-391R, respectively, in October 2024. The following background wells were sampled during the October 2024 sampling event: MW-304 and MW-358R. The following compliance wells were sampled during the October 2024 sampling event: MW-150, MW-151, MW-152, MW-153, MW-252, MW-253R, MW-350R, MW-352, MW-366, MW-375, MW-377, MW-383, MW-384, and MW-390. MW-391R was dry at time of sampling during the October 2024 sampling event; therefore, no groundwater sample was collected.

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

Event ID	Sampling Dates [1]	Analytical Data Receipt Date	Exceedance Determination Date [2]	ASD Completion Date
E003 [3,4]	October 31 – November 3, 2023	December 11, 2023	February 9, 2024 [5]	NA
E004 [3,4,6]	February 5 - 9, 2024	March 11, 2024	May 10, 2024	NA
E005 [7,8,9,10]	April 16 – 18, 2024	May 20, 2024	July 19, 2024	NA
E006 [8,11]	July 17 – 19, 2024	August 26, 2024	October 25, 2024	NA
E006R [12]	August 28, 2024	September 27, 2024	NA	NA
E007 [13,14,15]	October 14 – November 1, 2024	December 6, 2024	TBD	TBD

Notes:

ASD: Alternative Source Demonstration

NA: not applicable

TBD: to be determined

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

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

[3] The following background wells were sampled: MW-304, MW-306, and MW-358.

[4] The following compliance wells were sampled: MW-150, MW-151, MW-152, MW-153, MW-252, MW-253, MW-350, MW-352, MW-366, MW-375, MW-377, MW-383, MW-384, MW-390, MW-391.

[5] 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.

[6] MW-391 had insufficient volume for analysis of complete 35 I.A.C. § 845.600 constituents; therefore, only radium 226 and 228, combined, and field pH were collected from this well.

[7] Background monitoring well MW-306 was not sampled in Quarter 2, 2024 and abandoned in May 2024 due to grout contamination.

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

[9] Compliance monitoring wells MW-253 and MW-350 were not sampled in Quarter 2, 2024. These wells were abandoned and replaced in May 2024 due to grout contamination.

[10] Compliance monitoring well MW-391 was dry at time of sampling; therefore, groundwater elevation data and a groundwater sample were not collected from this well.

[11] The following compliance monitoring wells were sampled for this event: MW-150, MW-151, MW-152, MW-153, MW-252, MW-253R, MW-350R, MW-352, MW-366, MW-375, MW-377, MW-383, MW-384, MW-390, MW-391

[12] Compliance monitoring well MW-253R was resampled for the parameters listed in 35 I.A.C. § 845.600, calcium, and turbidity.

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

[14]The following compliance monitoring wells were sampled for this event: MW-150, MW-151, MW-152, MW-153, MW-252, MW-253R, MW-350R, MW-352, MW-366, MW-375, MW-377, MW-383, MW-384, and MW-390.

[15]Compliance monitoring well MW-391 was abandoned and replaced with MW-391R in October 2024. MW-391R was dry at time of sampling; therefore, groundwater elevation data and a groundwater sample were not collected from this well.

3.2 Exceedances of GWPS

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the constituent concentrations 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**[7]:

- Boron in MW-150 and MW-391
- Fluoride in MW-384
- pH (field) in MW-253 and MW-350
- Sulfate in MW-150, MW-252, MW-253R, and MW-366

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**.

[7] 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, 2023) and all data were accepted. After the FAPS has been issued an approved operating permit, groundwater monitoring shall be conducted in accordance with that operating permit.

As referenced in **Section 3**, monitoring wells MW-253, MW-306, and MW-350 were abandoned and replaced due to grout contamination. Background concentrations were updated to exclude all data from MW-306 (**Attachment D**).

MW-358 and MW-391 were 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 FAPS. After the FAPS 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.
- A public meeting will be held prior to selection of a remedy in accordance with 35 I.A.C. § 845.660(d).
- A corrective action plan will be submitted to IEPA on or before April 24, 2025 as required by 35 I.A.C. § 845.670.
- Upon selection of a remedy, a permit application will be submitted to IEPA identifying the proposed corrective action.

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TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
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
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
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-150	Compliance	E004	02/07/2024	Antimony, total	0.0004 U	mg/L
MW-150	Compliance	E004	02/07/2024	Arsenic, total	0.0005 J	mg/L
MW-150	Compliance	E004	02/07/2024	Barium, total	0.0155	mg/L
MW-150	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-150	Compliance	E004	02/07/2024	Boron, total	3.80	mg/L
MW-150	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-150	Compliance	E004	02/07/2024	Calcium, total	202	mg/L
MW-150	Compliance	E004	02/07/2024	Chloride, total	53.0	mg/L
MW-150	Compliance	E004	02/07/2024	Chromium, total	0.001 U	mg/L
MW-150	Compliance	E004	02/07/2024	Cobalt, total	0.0001 U	mg/L
MW-150	Compliance	E004	02/07/2024	Dissolved Oxygen	2.53	mg/L
MW-150	Compliance	E004	02/07/2024	Fluoride, total	0.710	mg/L
MW-150	Compliance	E004	02/07/2024	Lead, total	0.0006 U	mg/L
MW-150	Compliance	E004	02/07/2024	Lithium, total	0.0566	mg/L
MW-150	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-150	Compliance	E004	02/07/2024	Molybdenum, total	0.00180 J+	mg/L
MW-150	Compliance	E004	02/07/2024	Oxidation Reduction Potential	52.0	mV
MW-150	Compliance	E004	02/07/2024	pH (field)	7.0	SU
MW-150	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.00407	pCi/L
MW-150	Compliance	E004	02/07/2024	Selenium, total	0.0009 J	mg/L
MW-150	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,720	micromhos/cm
MW-150	Compliance	E004	02/07/2024	Sulfate, total	877	mg/L
MW-150	Compliance	E004	02/07/2024	Temperature	14.1	degrees C
MW-150	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-150	Compliance	E004	02/07/2024	Total Dissolved Solids	1,530	mg/L
MW-150	Compliance	E004	02/07/2024	Turbidity, field	1 U	NTU
MW-151	Compliance	E004	02/07/2024	Antimony, total	0.0004 U	mg/L
MW-151	Compliance	E004	02/07/2024	Arsenic, total	0.0005 J	mg/L
MW-151	Compliance	E004	02/07/2024	Barium, total	0.0591	mg/L
MW-151	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-151	Compliance	E004	02/07/2024	Boron, total	1.26	mg/L
MW-151	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-151	Compliance	E004	02/07/2024	Calcium, total	122	mg/L
MW-151	Compliance	E004	02/07/2024	Chloride, total	44.0	mg/L
MW-151	Compliance	E004	02/07/2024	Chromium, total	0.00330 J+	mg/L
MW-151	Compliance	E004	02/07/2024	Cobalt, total	0.0008 J	mg/L
MW-151	Compliance	E004	02/07/2024	Dissolved Oxygen	3.24	mg/L
MW-151	Compliance	E004	02/07/2024	Fluoride, total	0.520	mg/L
MW-151	Compliance	E004	02/07/2024	Lead, total	0.00120	mg/L
MW-151	Compliance	E004	02/07/2024	Lithium, total	0.0255	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-151	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-151	Compliance	E004	02/07/2024	Molybdenum, total	0.002 UJ	mg/L
MW-151	Compliance	E004	02/07/2024	Oxidation Reduction Potential	137	mV
MW-151	Compliance	E004	02/07/2024	pH (field)	6.9	SU
MW-151	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.0315	pCi/L
MW-151	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	866	micromhos/cm
MW-151	Compliance	E004	02/07/2024	Sulfate, total	130	mg/L
MW-151	Compliance	E004	02/07/2024	Temperature	12.8	degrees C
MW-151	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E004	02/07/2024	Total Dissolved Solids	580	mg/L
MW-151	Compliance	E004	02/07/2024	Turbidity, field	24.0	NTU
MW-152	Compliance	E004	02/07/2024	Antimony, total	0.0004 U	mg/L
MW-152	Compliance	E004	02/07/2024	Arsenic, total	0.00230	mg/L
MW-152	Compliance	E004	02/07/2024	Barium, total	0.0422	mg/L
MW-152	Compliance	E004	02/07/2024	Beryllium, total	0.0003 J	mg/L
MW-152	Compliance	E004	02/07/2024	Boron, total	13.2	mg/L
MW-152	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-152	Compliance	E004	02/07/2024	Calcium, total	222	mg/L
MW-152	Compliance	E004	02/07/2024	Chloride, total	40.0	mg/L
MW-152	Compliance	E004	02/07/2024	Chromium, total	0.00860 J+	mg/L
MW-152	Compliance	E004	02/07/2024	Cobalt, total	0.00260	mg/L
MW-152	Compliance	E004	02/07/2024	Dissolved Oxygen	0.900	mg/L
MW-152	Compliance	E004	02/07/2024	Fluoride, total	0.260	mg/L
MW-152	Compliance	E004	02/07/2024	Lead, total	0.00470	mg/L
MW-152	Compliance	E004	02/07/2024	Lithium, total	0.0178	mg/L
MW-152	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-152	Compliance	E004	02/07/2024	Molybdenum, total	0.0006 U	mg/L
MW-152	Compliance	E004	02/07/2024	Oxidation Reduction Potential	144	mV
MW-152	Compliance	E004	02/07/2024	pH (field)	6.7	SU
MW-152	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.231	pCi/L
MW-152	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-152	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,450	micromhos/cm
MW-152	Compliance	E004	02/07/2024	Sulfate, total	724	mg/L
MW-152	Compliance	E004	02/07/2024	Temperature	12.7	degrees C
MW-152	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-152	Compliance	E004	02/07/2024	Total Dissolved Solids	1,320	mg/L
MW-152	Compliance	E004	02/07/2024	Turbidity, field	46.0	NTU
MW-153	Compliance	E004	02/08/2024	Antimony, total	0.0004 U	mg/L
MW-153	Compliance	E004	02/08/2024	Arsenic, total	0.0004 U	mg/L
MW-153	Compliance	E004	02/08/2024	Barium, total	0.0376	mg/L
MW-153	Compliance	E004	02/08/2024	Beryllium, total	0.0002 U	mg/L
MW-153	Compliance	E004	02/08/2024	Boron, total	0.023 J	mg/L
MW-153	Compliance	E004	02/08/2024	Cadmium, total	0.0002 U	mg/L
MW-153	Compliance	E004	02/08/2024	Calcium, total	53.5	mg/L
MW-153	Compliance	E004	02/08/2024	Chloride, total	19.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-153	Compliance	E004	02/08/2024	Chromium, total	0.002 UJ	mg/L
MW-153	Compliance	E004	02/08/2024	Cobalt, total	0.0001 U	mg/L
MW-153	Compliance	E004	02/08/2024	Dissolved Oxygen	2.33	mg/L
MW-153	Compliance	E004	02/08/2024	Fluoride, total	0.430	mg/L
MW-153	Compliance	E004	02/08/2024	Lead, total	0.0006 U	mg/L
MW-153	Compliance	E004	02/08/2024	Lithium, total	0.00430	mg/L
MW-153	Compliance	E004	02/08/2024	Mercury, total	0.0002 UJ	mg/L
MW-153	Compliance	E004	02/08/2024	Molybdenum, total	0.0006 U	mg/L
MW-153	Compliance	E004	02/08/2024	Oxidation Reduction Potential	134	mV
MW-153	Compliance	E004	02/08/2024	pH (field)	6.7	SU
MW-153	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	0.503	pCi/L
MW-153	Compliance	E004	02/08/2024	Selenium, total	0.00240	mg/L
MW-153	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	566	micromhos/cm
MW-153	Compliance	E004	02/08/2024	Sulfate, total	68.0	mg/L
MW-153	Compliance	E004	02/08/2024	Temperature	14.2	degrees C
MW-153	Compliance	E004	02/08/2024	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E004	02/08/2024	Total Dissolved Solids	388	mg/L
MW-153	Compliance	E004	02/08/2024	Turbidity, field	4.20	NTU
MW-252	Compliance	E004	02/07/2024	Antimony, total	0.00220 J+	mg/L
MW-252	Compliance	E004	02/07/2024	Arsenic, total	0.0008 J	mg/L
MW-252	Compliance	E004	02/07/2024	Barium, total	0.0299	mg/L
MW-252	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-252	Compliance	E004	02/07/2024	Boron, total	0.235	mg/L
MW-252	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-252	Compliance	E004	02/07/2024	Calcium, total	205	mg/L
MW-252	Compliance	E004	02/07/2024	Chloride, total	37.0	mg/L
MW-252	Compliance	E004	02/07/2024	Chromium, total	0.00220 J+	mg/L
MW-252	Compliance	E004	02/07/2024	Cobalt, total	0.00120	mg/L
MW-252	Compliance	E004	02/07/2024	Dissolved Oxygen	3.85	mg/L
MW-252	Compliance	E004	02/07/2024	Fluoride, total	0.210	mg/L
MW-252	Compliance	E004	02/07/2024	Lead, total	0.0008 J	mg/L
MW-252	Compliance	E004	02/07/2024	Lithium, total	0.0168	mg/L
MW-252	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-252	Compliance	E004	02/07/2024	Molybdenum, total	0.002 UJ	mg/L
MW-252	Compliance	E004	02/07/2024	Oxidation Reduction Potential	138	mV
MW-252	Compliance	E004	02/07/2024	pH (field)	6.9	SU
MW-252	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.27	pCi/L
MW-252	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-252	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,320	micromhos/cm
MW-252	Compliance	E004	02/07/2024	Sulfate, total	499	mg/L
MW-252	Compliance	E004	02/07/2024	Temperature	14.7	degrees C
MW-252	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-252	Compliance	E004	02/07/2024	Total Dissolved Solids	1,060	mg/L
MW-252	Compliance	E004	02/07/2024	Turbidity, field	14.0	NTU
MW-253	Compliance	E004	02/08/2024	Antimony, total	0.001 UJ	mg/L
MW-253	Compliance	E004	02/08/2024	Arsenic, total	0.0004 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-253	Compliance	E004	02/08/2024	Barium, total	0.0481	mg/L
MW-253	Compliance	E004	02/08/2024	Beryllium, total	0.0002 U	mg/L
MW-253	Compliance	E004	02/08/2024	Boron, total	0.0793	mg/L
MW-253	Compliance	E004	02/08/2024	Cadmium, total	0.0002 U	mg/L
MW-253	Compliance	E004	02/08/2024	Calcium, total	84.5	mg/L
MW-253	Compliance	E004	02/08/2024	Chloride, total	22.0	mg/L
MW-253	Compliance	E004	02/08/2024	Chromium, total	0.0009 U	mg/L
MW-253	Compliance	E004	02/08/2024	Cobalt, total	0.0001 U	mg/L
MW-253	Compliance	E004	02/08/2024	Dissolved Oxygen	0.740	mg/L
MW-253	Compliance	E004	02/08/2024	Fluoride, total	0.170	mg/L
MW-253	Compliance	E004	02/08/2024	Lead, total	0.0006 U	mg/L
MW-253	Compliance	E004	02/08/2024	Lithium, total	0.0357	mg/L
MW-253	Compliance	E004	02/08/2024	Mercury, total	0.0002 UJ	mg/L
MW-253	Compliance	E004	02/08/2024	Molybdenum, total	0.00610	mg/L
MW-253	Compliance	E004	02/08/2024	Oxidation Reduction Potential	31.0	mV
MW-253	Compliance	E004	02/08/2024	pH (field)	11.2	SU
MW-253	Compliance	E004	02/08/2024	Radium 226 + Radium 228, total	0.689	pCi/L
MW-253	Compliance	E004	02/08/2024	Selenium, total	0.0006 U	mg/L
MW-253	Compliance	E004	02/08/2024	Specific Conductance @ 25C (field)	730	micromhos/cm
MW-253	Compliance	E004	02/08/2024	Sulfate, total	181	mg/L
MW-253	Compliance	E004	02/08/2024	Temperature	14.3	degrees C
MW-253	Compliance	E004	02/08/2024	Thallium, total	0.001 U	mg/L
MW-253	Compliance	E004	02/08/2024	Total Dissolved Solids	410	mg/L
MW-253	Compliance	E004	02/08/2024	Turbidity, field	22.0	NTU
MW-350	Compliance	E004	02/07/2024	Antimony, total	0.00150 J+	mg/L
MW-350	Compliance	E004	02/07/2024	Arsenic, total	0.0004 U	mg/L
MW-350	Compliance	E004	02/07/2024	Barium, total	0.197	mg/L
MW-350	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-350	Compliance	E004	02/07/2024	Boron, total	0.507	mg/L
MW-350	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-350	Compliance	E004	02/07/2024	Calcium, total	52.3	mg/L
MW-350	Compliance	E004	02/07/2024	Chloride, total	54.0	mg/L
MW-350	Compliance	E004	02/07/2024	Chromium, total	0.00390 J+	mg/L
MW-350	Compliance	E004	02/07/2024	Cobalt, total	0.0001 J	mg/L
MW-350	Compliance	E004	02/07/2024	Dissolved Oxygen	3.18	mg/L
MW-350	Compliance	E004	02/07/2024	Fluoride, total	0.180	mg/L
MW-350	Compliance	E004	02/07/2024	Lead, total	0.0008 U	mg/L
MW-350	Compliance	E004	02/07/2024	Lithium, total	0.0763	mg/L
MW-350	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-350	Compliance	E004	02/07/2024	Molybdenum, total	0.00250 J+	mg/L
MW-350	Compliance	E004	02/07/2024	Oxidation Reduction Potential	-28.0	mV
MW-350	Compliance	E004	02/07/2024	pH (field)	11.4	SU
MW-350	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.959	pCi/L
MW-350	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-350	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	750	micromhos/cm
MW-350	Compliance	E004	02/07/2024	Sulfate, total	92.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-350	Compliance	E004	02/07/2024	Temperature	14.4	degrees C
MW-350	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-350	Compliance	E004	02/07/2024	Total Dissolved Solids	325	mg/L
MW-350	Compliance	E004	02/07/2024	Turbidity, field	4.20	NTU
MW-352	Compliance	E004	02/07/2024	Antimony, total	0.00200 J+	mg/L
MW-352	Compliance	E004	02/07/2024	Arsenic, total	0.0004 U	mg/L
MW-352	Compliance	E004	02/07/2024	Barium, total	0.0839	mg/L
MW-352	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E004	02/07/2024	Boron, total	2.13	mg/L
MW-352	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-352	Compliance	E004	02/07/2024	Calcium, total	92.8	mg/L
MW-352	Compliance	E004	02/07/2024	Chloride, total	580	mg/L
MW-352	Compliance	E004	02/07/2024	Chromium, total	0.001 U	mg/L
MW-352	Compliance	E004	02/07/2024	Cobalt, total	0.0001 U	mg/L
MW-352	Compliance	E004	02/07/2024	Dissolved Oxygen	2.92	mg/L
MW-352	Compliance	E004	02/07/2024	Fluoride, total	1.46	mg/L
MW-352	Compliance	E004	02/07/2024	Lead, total	0.0008 U	mg/L
MW-352	Compliance	E004	02/07/2024	Lithium, total	0.0844	mg/L
MW-352	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-352	Compliance	E004	02/07/2024	Molybdenum, total	0.0006 U	mg/L
MW-352	Compliance	E004	02/07/2024	Oxidation Reduction Potential	135	mV
MW-352	Compliance	E004	02/07/2024	pH (field)	7.3	SU
MW-352	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	1.03	pCi/L
MW-352	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,670	micromhos/cm
MW-352	Compliance	E004	02/07/2024	Sulfate, total	8 J	mg/L
MW-352	Compliance	E004	02/07/2024	Temperature	12.9	degrees C
MW-352	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E004	02/07/2024	Total Dissolved Solids	1,170	mg/L
MW-352	Compliance	E004	02/07/2024	Turbidity, field	5.90	NTU
MW-366	Compliance	E004	02/07/2024	Antimony, total	0.001 UJ	mg/L
MW-366	Compliance	E004	02/07/2024	Arsenic, total	0.0005 J	mg/L
MW-366	Compliance	E004	02/07/2024	Barium, total	0.0348	mg/L
MW-366	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-366	Compliance	E004	02/07/2024	Boron, total	3.00	mg/L
MW-366	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-366	Compliance	E004	02/07/2024	Calcium, total	256	mg/L
MW-366	Compliance	E004	02/07/2024	Chloride, total	58.0	mg/L
MW-366	Compliance	E004	02/07/2024	Chromium, total	0.001 U	mg/L
MW-366	Compliance	E004	02/07/2024	Cobalt, total	0.0006 J	mg/L
MW-366	Compliance	E004	02/07/2024	Dissolved Oxygen	1.35	mg/L
MW-366	Compliance	E004	02/07/2024	Fluoride, total	0.350	mg/L
MW-366	Compliance	E004	02/07/2024	Lead, total	0.0008 U	mg/L
MW-366	Compliance	E004	02/07/2024	Lithium, total	0.0115	mg/L
MW-366	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-366	Compliance	E004	02/07/2024	Molybdenum, total	0.00300 J+	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-366	Compliance	E004	02/07/2024	Oxidation Reduction Potential	147	mV
MW-366	Compliance	E004	02/07/2024	pH (field)	6.6	SU
MW-366	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.47	pCi/L
MW-366	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-366	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,530	micromhos/cm
MW-366	Compliance	E004	02/07/2024	Sulfate, total	791	mg/L
MW-366	Compliance	E004	02/07/2024	Temperature	13.8	degrees C
MW-366	Compliance	E004	02/07/2024	Thallium, total	0.001 U	mg/L
MW-366	Compliance	E004	02/07/2024	Total Dissolved Solids	1,400	mg/L
MW-366	Compliance	E004	02/07/2024	Turbidity, field	20.0	NTU
MW-375	Compliance	E004	02/07/2024	Antimony, total	0.001 UJ	mg/L
MW-375	Compliance	E004	02/07/2024	Arsenic, total	0.00140	mg/L
MW-375	Compliance	E004	02/07/2024	Barium, total	0.0221	mg/L
MW-375	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-375	Compliance	E004	02/07/2024	Boron, total	1.41	mg/L
MW-375	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-375	Compliance	E004	02/07/2024	Calcium, total	11.1	mg/L
MW-375	Compliance	E004	02/07/2024	Chloride, total	102	mg/L
MW-375	Compliance	E004	02/07/2024	Chromium, total	0.001 U	mg/L
MW-375	Compliance	E004	02/07/2024	Cobalt, total	0.0001 J	mg/L
MW-375	Compliance	E004	02/07/2024	Dissolved Oxygen	0.480	mg/L
MW-375	Compliance	E004	02/07/2024	Fluoride, total	2.30	mg/L
MW-375	Compliance	E004	02/07/2024	Lead, total	0.0008 U	mg/L
MW-375	Compliance	E004	02/07/2024	Lithium, total	0.0736	mg/L
MW-375	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-375	Compliance	E004	02/07/2024	Molybdenum, total	0.0271	mg/L
MW-375	Compliance	E004	02/07/2024	Oxidation Reduction Potential	70.0	mV
MW-375	Compliance	E004	02/07/2024	pH (field)	7.7	SU
MW-375	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.617	pCi/L
MW-375	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-375	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	1,520	micromhos/cm
MW-375	Compliance	E004	02/07/2024	Sulfate, total	110	mg/L
MW-375	Compliance	E004	02/07/2024	Temperature	14.1	degrees C
MW-375	Compliance	E004	02/07/2024	Thallium, total	0.0013 J	mg/L
MW-375	Compliance	E004	02/07/2024	Total Dissolved Solids	910	mg/L
MW-375	Compliance	E004	02/07/2024	Turbidity, field	14.0	NTU
MW-377	Compliance	E004	02/07/2024	Antimony, total	0.0004 U	mg/L
MW-377	Compliance	E004	02/07/2024	Arsenic, total	0.00130	mg/L
MW-377	Compliance	E004	02/07/2024	Barium, total	0.0605	mg/L
MW-377	Compliance	E004	02/07/2024	Beryllium, total	0.0002 U	mg/L
MW-377	Compliance	E004	02/07/2024	Boron, total	1.79	mg/L
MW-377	Compliance	E004	02/07/2024	Cadmium, total	0.0002 U	mg/L
MW-377	Compliance	E004	02/07/2024	Calcium, total	58.1	mg/L
MW-377	Compliance	E004	02/07/2024	Chloride, total	106	mg/L
MW-377	Compliance	E004	02/07/2024	Chromium, total	0.001 U	mg/L
MW-377	Compliance	E004	02/07/2024	Cobalt, total	0.00140	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-377	Compliance	E004	02/07/2024	Dissolved Oxygen	1.52	mg/L
MW-377	Compliance	E004	02/07/2024	Fluoride, total	1.18	mg/L
MW-377	Compliance	E004	02/07/2024	Lead, total	0.0008 U	mg/L
MW-377	Compliance	E004	02/07/2024	Lithium, total	0.0653	mg/L
MW-377	Compliance	E004	02/07/2024	Mercury, total	0.00007 U	mg/L
MW-377	Compliance	E004	02/07/2024	Molybdenum, total	0.002 UJ	mg/L
MW-377	Compliance	E004	02/07/2024	Oxidation Reduction Potential	130	mV
MW-377	Compliance	E004	02/07/2024	pH (field)	7.1	SU
MW-377	Compliance	E004	02/07/2024	Radium 226 + Radium 228, total	0.73	pCi/L
MW-377	Compliance	E004	02/07/2024	Selenium, total	0.0006 U	mg/L
MW-377	Compliance	E004	02/07/2024	Specific Conductance @ 25C (field)	891	micromhos/cm
MW-377	Compliance	E004	02/07/2024	Sulfate, total	52.0	mg/L
MW-377	Compliance	E004	02/07/2024	Temperature	14.6	degrees C
MW-377	Compliance	E004	02/07/2024	Thallium, total	0.0014 J	mg/L
MW-377	Compliance	E004	02/07/2024	Total Dissolved Solids	628	mg/L
MW-377	Compliance	E004	02/07/2024	Turbidity, field	7.40	NTU
MW-383	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-383	Compliance	E004	02/06/2024	Arsenic, total	0.0008 J	mg/L
MW-383	Compliance	E004	02/06/2024	Barium, total	0.0925	mg/L
MW-383	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-383	Compliance	E004	02/06/2024	Boron, total	1.39	mg/L
MW-383	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-383	Compliance	E004	02/06/2024	Calcium, total	17.0	mg/L
MW-383	Compliance	E004	02/06/2024	Chloride, total	50.0	mg/L
MW-383	Compliance	E004	02/06/2024	Chromium, total	0.00190 J+	mg/L
MW-383	Compliance	E004	02/06/2024	Cobalt, total	0.0009 J	mg/L
MW-383	Compliance	E004	02/06/2024	Dissolved Oxygen	1.26	mg/L
MW-383	Compliance	E004	02/06/2024	Fluoride, total	0.830	mg/L
MW-383	Compliance	E004	02/06/2024	Lead, total	0.00180	mg/L
MW-383	Compliance	E004	02/06/2024	Lithium, total	0.0521	mg/L
MW-383	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-383	Compliance	E004	02/06/2024	Molybdenum, total	0.0156	mg/L
MW-383	Compliance	E004	02/06/2024	Oxidation Reduction Potential	67.0	mV
MW-383	Compliance	E004	02/06/2024	pH (field)	7.6	SU
MW-383	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.401	pCi/L
MW-383	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-383	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	1,180	micromhos/cm
MW-383	Compliance	E004	02/06/2024	Sulfate, total	158	mg/L
MW-383	Compliance	E004	02/06/2024	Temperature	16.2	degrees C
MW-383	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-383	Compliance	E004	02/06/2024	Total Dissolved Solids	918	mg/L
MW-383	Compliance	E004	02/06/2024	Turbidity, field	16.0	NTU
MW-384	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-384	Compliance	E004	02/06/2024	Arsenic, total	0.0006 J	mg/L
MW-384	Compliance	E004	02/06/2024	Barium, total	0.0985	mg/L
MW-384	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-384	Compliance	E004	02/06/2024	Boron, total	1.44	mg/L
MW-384	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-384	Compliance	E004	02/06/2024	Calcium, total	15.8	mg/L
MW-384	Compliance	E004	02/06/2024	Chloride, total	512	mg/L
MW-384	Compliance	E004	02/06/2024	Chromium, total	0.00340 J+	mg/L
MW-384	Compliance	E004	02/06/2024	Cobalt, total	0.00100	mg/L
MW-384	Compliance	E004	02/06/2024	Dissolved Oxygen	1.54	mg/L
MW-384	Compliance	E004	02/06/2024	Fluoride, total	4.52	mg/L
MW-384	Compliance	E004	02/06/2024	Lead, total	0.00140	mg/L
MW-384	Compliance	E004	02/06/2024	Lithium, total	0.0660	mg/L
MW-384	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-384	Compliance	E004	02/06/2024	Molybdenum, total	0.0170	mg/L
MW-384	Compliance	E004	02/06/2024	Oxidation Reduction Potential	45.0	mV
MW-384	Compliance	E004	02/06/2024	pH (field)	8.1	SU
MW-384	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	0.409	pCi/L
MW-384	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-384	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	2,210	micromhos/cm
MW-384	Compliance	E004	02/06/2024	Sulfate, total	34.0	mg/L
MW-384	Compliance	E004	02/06/2024	Temperature	16.4	degrees C
MW-384	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L
MW-384	Compliance	E004	02/06/2024	Total Dissolved Solids	1,590	mg/L
MW-384	Compliance	E004	02/06/2024	Turbidity, field	12.0	NTU
MW-390	Compliance	E004	02/06/2024	Antimony, total	0.0004 U	mg/L
MW-390	Compliance	E004	02/06/2024	Arsenic, total	0.00190	mg/L
MW-390	Compliance	E004	02/06/2024	Barium, total	0.0311	mg/L
MW-390	Compliance	E004	02/06/2024	Beryllium, total	0.0002 U	mg/L
MW-390	Compliance	E004	02/06/2024	Boron, total	1.36	mg/L
MW-390	Compliance	E004	02/06/2024	Cadmium, total	0.0002 U	mg/L
MW-390	Compliance	E004	02/06/2024	Calcium, total	60.7	mg/L
MW-390	Compliance	E004	02/06/2024	Chloride, total	315	mg/L
MW-390	Compliance	E004	02/06/2024	Chromium, total	0.0007 U	mg/L
MW-390	Compliance	E004	02/06/2024	Cobalt, total	0.0005 J	mg/L
MW-390	Compliance	E004	02/06/2024	Dissolved Oxygen	2.59	mg/L
MW-390	Compliance	E004	02/06/2024	Fluoride, total	1.47	mg/L
MW-390	Compliance	E004	02/06/2024	Lead, total	0.0006 U	mg/L
MW-390	Compliance	E004	02/06/2024	Lithium, total	0.0639	mg/L
MW-390	Compliance	E004	02/06/2024	Mercury, total	0.00006 U	mg/L
MW-390	Compliance	E004	02/06/2024	Molybdenum, total	0.00240 J+	mg/L
MW-390	Compliance	E004	02/06/2024	Oxidation Reduction Potential	12.0	mV
MW-390	Compliance	E004	02/06/2024	pH (field)	7.1	SU
MW-390	Compliance	E004	02/06/2024	Radium 226 + Radium 228, total	1.42	pCi/L
MW-390	Compliance	E004	02/06/2024	Selenium, total	0.0006 U	mg/L
MW-390	Compliance	E004	02/06/2024	Specific Conductance @ 25C (field)	2,180	micromhos/cm
MW-390	Compliance	E004	02/06/2024	Sulfate, total	327	mg/L
MW-390	Compliance	E004	02/06/2024	Temperature	13.8	degrees C
MW-390	Compliance	E004	02/06/2024	Thallium, total	0.001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-390	Compliance	E004	02/06/2024	Total Dissolved Solids	1,380	mg/L
MW-390	Compliance	E004	02/06/2024	Turbidity, field	13.0	NTU
MW-391	Compliance	E004	02/09/2024	Antimony, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Arsenic, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Barium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Beryllium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Boron, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Cadmium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Calcium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Chloride, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Chromium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Cobalt, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Dissolved Oxygen	3.76	mg/L
MW-391	Compliance	E004	02/09/2024	Fluoride, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Lead, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Lithium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Mercury, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Molybdenum, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Oxidation Reduction Potential	142	mV
MW-391	Compliance	E004	02/09/2024	pH (field)	7.1	SU
MW-391	Compliance	E004	02/09/2024	Radium 226 + Radium 228, total	2.4	pCi/L
MW-391	Compliance	E004	02/09/2024	Selenium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Specific Conductance @ 25C (field)	3,280	micromhos/cm
MW-391	Compliance	E004	02/09/2024	Sulfate, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Temperature	14.4	degrees C
MW-391	Compliance	E004	02/09/2024	Thallium, total	--	mg/L
MW-391	Compliance	E004	02/09/2024	Total Dissolved Solids	--	mg/L
MW-391	Compliance	E004	02/09/2024	Turbidity, field	37.0	NTU

Notes:
− = no data available
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
FLY ASH POND SYSTEM
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
FLY ASH POND SYSTEM
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-150	Compliance	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
MW-150	Compliance	E005	04/17/2024	Arsenic, total	0.0004 U	mg/L
MW-150	Compliance	E005	04/17/2024	Barium, total	0.0160	mg/L
MW-150	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-150	Compliance	E005	04/17/2024	Boron, total	3.49	mg/L
MW-150	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-150	Compliance	E005	04/17/2024	Calcium, total	193	mg/L
MW-150	Compliance	E005	04/17/2024	Chloride, total	51.0	mg/L
MW-150	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
MW-150	Compliance	E005	04/17/2024	Cobalt, total	0.0001 U	mg/L
MW-150	Compliance	E005	04/17/2024	Dissolved Oxygen	2.37	mg/L
MW-150	Compliance	E005	04/17/2024	Fluoride, total	0.680	mg/L
MW-150	Compliance	E005	04/17/2024	Lead, total	0.0009 J	mg/L
MW-150	Compliance	E005	04/17/2024	Lithium, total	0.0543	mg/L
MW-150	Compliance	E005	04/17/2024	Mercury, total	0.00008 J	mg/L
MW-150	Compliance	E005	04/17/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-150	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-19.0	mV
MW-150	Compliance	E005	04/17/2024	pH (field)	7.0	SU
MW-150	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.0997	pCi/L
MW-150	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
MW-150	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,570	micromhos/cm
MW-150	Compliance	E005	04/17/2024	Sulfate, total	897	mg/L
MW-150	Compliance	E005	04/17/2024	Temperature	14.5	degrees C
MW-150	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-150	Compliance	E005	04/17/2024	Total Dissolved Solids	1,660	mg/L
MW-150	Compliance	E005	04/17/2024	Turbidity, field	2.00	NTU
MW-151	Compliance	E005	04/18/2024	Antimony, total	0.0004 U	mg/L
MW-151	Compliance	E005	04/18/2024	Arsenic, total	0.0005 J	mg/L
MW-151	Compliance	E005	04/18/2024	Barium, total	0.0703	mg/L
MW-151	Compliance	E005	04/18/2024	Beryllium, total	0.0002 U	mg/L
MW-151	Compliance	E005	04/18/2024	Boron, total	1.00	mg/L
MW-151	Compliance	E005	04/18/2024	Cadmium, total	0.0002 U	mg/L
MW-151	Compliance	E005	04/18/2024	Calcium, total	118	mg/L
MW-151	Compliance	E005	04/18/2024	Chloride, total	41.0	mg/L
MW-151	Compliance	E005	04/18/2024	Chromium, total	0.0015 UJ	mg/L
MW-151	Compliance	E005	04/18/2024	Cobalt, total	0.0009 J	mg/L
MW-151	Compliance	E005	04/18/2024	Dissolved Oxygen	0.830	mg/L
MW-151	Compliance	E005	04/18/2024	Fluoride, total	0.490	mg/L
MW-151	Compliance	E005	04/18/2024	Lead, total	0.0006 U	mg/L
MW-151	Compliance	E005	04/18/2024	Lithium, total	0.0291	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-151	Compliance	E005	04/18/2024	Mercury, total	0.00006 U	mg/L
MW-151	Compliance	E005	04/18/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-151	Compliance	E005	04/18/2024	Oxidation Reduction Potential	54.0	mV
MW-151	Compliance	E005	04/18/2024	pH (field)	6.8	SU
MW-151	Compliance	E005	04/18/2024	Radium 226 + Radium 228, total	0.289	pCi/L
MW-151	Compliance	E005	04/18/2024	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E005	04/18/2024	Specific Conductance @ 25C (field)	1,060	micromhos/cm
MW-151	Compliance	E005	04/18/2024	Sulfate, total	101 J-	mg/L
MW-151	Compliance	E005	04/18/2024	Temperature	15.9	degrees C
MW-151	Compliance	E005	04/18/2024	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E005	04/18/2024	Total Dissolved Solids	608	mg/L
MW-151	Compliance	E005	04/18/2024	Turbidity, field	14.0	NTU
MW-152	Compliance	E005	04/18/2024	Antimony, total	0.0004 U	mg/L
MW-152	Compliance	E005	04/18/2024	Arsenic, total	0.00160	mg/L
MW-152	Compliance	E005	04/18/2024	Barium, total	0.0282	mg/L
MW-152	Compliance	E005	04/18/2024	Beryllium, total	0.0002 U	mg/L
MW-152	Compliance	E005	04/18/2024	Boron, total	1.12	mg/L
MW-152	Compliance	E005	04/18/2024	Cadmium, total	0.0002 U	mg/L
MW-152	Compliance	E005	04/18/2024	Calcium, total	146	mg/L
MW-152	Compliance	E005	04/18/2024	Chloride, total	12.0	mg/L
MW-152	Compliance	E005	04/18/2024	Chromium, total	0.00380 J+	mg/L
MW-152	Compliance	E005	04/18/2024	Cobalt, total	0.00170	mg/L
MW-152	Compliance	E005	04/18/2024	Dissolved Oxygen	0.730	mg/L
MW-152	Compliance	E005	04/18/2024	Fluoride, total	0.240	mg/L
MW-152	Compliance	E005	04/18/2024	Lead, total	0.00630	mg/L
MW-152	Compliance	E005	04/18/2024	Lithium, total	0.0147	mg/L
MW-152	Compliance	E005	04/18/2024	Mercury, total	0.00006 U	mg/L
MW-152	Compliance	E005	04/18/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-152	Compliance	E005	04/18/2024	Oxidation Reduction Potential	96.0	mV
MW-152	Compliance	E005	04/18/2024	pH (field)	6.7	SU
MW-152	Compliance	E005	04/18/2024	Radium 226 + Radium 228, total	0.766	pCi/L
MW-152	Compliance	E005	04/18/2024	Selenium, total	0.0006 U	mg/L
MW-152	Compliance	E005	04/18/2024	Specific Conductance @ 25C (field)	1,400	micromhos/cm
MW-152	Compliance	E005	04/18/2024	Sulfate, total	966	mg/L
MW-152	Compliance	E005	04/18/2024	Temperature	14.1	degrees C
MW-152	Compliance	E005	04/18/2024	Thallium, total	0.001 U	mg/L
MW-152	Compliance	E005	04/18/2024	Total Dissolved Solids	924	mg/L
MW-152	Compliance	E005	04/18/2024	Turbidity, field	25.0	NTU
MW-153	Compliance	E005	04/18/2024	Antimony, total	0.001 UJ	mg/L
MW-153	Compliance	E005	04/18/2024	Arsenic, total	0.0004 U	mg/L
MW-153	Compliance	E005	04/18/2024	Barium, total	0.0434	mg/L
MW-153	Compliance	E005	04/18/2024	Beryllium, total	0.0002 U	mg/L
MW-153	Compliance	E005	04/18/2024	Boron, total	0.0287 J+	mg/L
MW-153	Compliance	E005	04/18/2024	Cadmium, total	0.0002 U	mg/L
MW-153	Compliance	E005	04/18/2024	Calcium, total	53.8	mg/L
MW-153	Compliance	E005	04/18/2024	Chloride, total	19.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-153	Compliance	E005	04/18/2024	Chromium, total	0.0015 UJ	mg/L
MW-153	Compliance	E005	04/18/2024	Cobalt, total	0.0001 U	mg/L
MW-153	Compliance	E005	04/18/2024	Dissolved Oxygen	1.87	mg/L
MW-153	Compliance	E005	04/18/2024	Fluoride, total	0.380	mg/L
MW-153	Compliance	E005	04/18/2024	Lead, total	0.0006 U	mg/L
MW-153	Compliance	E005	04/18/2024	Lithium, total	0.00470	mg/L
MW-153	Compliance	E005	04/18/2024	Mercury, total	0.00006 U	mg/L
MW-153	Compliance	E005	04/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-153	Compliance	E005	04/18/2024	Oxidation Reduction Potential	29.0	mV
MW-153	Compliance	E005	04/18/2024	pH (field)	6.9	SU
MW-153	Compliance	E005	04/18/2024	Radium 226 + Radium 228, total	0.404	pCi/L
MW-153	Compliance	E005	04/18/2024	Selenium, total	0.00230	mg/L
MW-153	Compliance	E005	04/18/2024	Specific Conductance @ 25C (field)	626	micromhos/cm
MW-153	Compliance	E005	04/18/2024	Sulfate, total	63.0	mg/L
MW-153	Compliance	E005	04/18/2024	Temperature	15.3	degrees C
MW-153	Compliance	E005	04/18/2024	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E005	04/18/2024	Total Dissolved Solids	380	mg/L
MW-153	Compliance	E005	04/18/2024	Turbidity, field	24.0	NTU
MW-252	Compliance	E005	04/18/2024	Antimony, total	0.00200	mg/L
MW-252	Compliance	E005	04/18/2024	Arsenic, total	0.0009 J	mg/L
MW-252	Compliance	E005	04/18/2024	Barium, total	0.0391	mg/L
MW-252	Compliance	E005	04/18/2024	Beryllium, total	0.0002 U	mg/L
MW-252	Compliance	E005	04/18/2024	Boron, total	0.208 J+	mg/L
MW-252	Compliance	E005	04/18/2024	Cadmium, total	0.0002 U	mg/L
MW-252	Compliance	E005	04/18/2024	Calcium, total	209	mg/L
MW-252	Compliance	E005	04/18/2024	Chloride, total	36.0	mg/L
MW-252	Compliance	E005	04/18/2024	Chromium, total	0.0015 UJ	mg/L
MW-252	Compliance	E005	04/18/2024	Cobalt, total	0.00160	mg/L
MW-252	Compliance	E005	04/18/2024	Dissolved Oxygen	0.740	mg/L
MW-252	Compliance	E005	04/18/2024	Fluoride, total	0.220	mg/L
MW-252	Compliance	E005	04/18/2024	Lead, total	0.0008 J	mg/L
MW-252	Compliance	E005	04/18/2024	Lithium, total	0.0188	mg/L
MW-252	Compliance	E005	04/18/2024	Mercury, total	0.00006 J	mg/L
MW-252	Compliance	E005	04/18/2024	Molybdenum, total	0.0015 UJ	mg/L
MW-252	Compliance	E005	04/18/2024	Oxidation Reduction Potential	79.0	mV
MW-252	Compliance	E005	04/18/2024	pH (field)	6.8	SU
MW-252	Compliance	E005	04/18/2024	Radium 226 + Radium 228, total	0.409	pCi/L
MW-252	Compliance	E005	04/18/2024	Selenium, total	0.0006 U	mg/L
MW-252	Compliance	E005	04/18/2024	Specific Conductance @ 25C (field)	1,690	micromhos/cm
MW-252	Compliance	E005	04/18/2024	Sulfate, total	464	mg/L
MW-252	Compliance	E005	04/18/2024	Temperature	17.9	degrees C
MW-252	Compliance	E005	04/18/2024	Thallium, total	0.001 U	mg/L
MW-252	Compliance	E005	04/18/2024	Total Dissolved Solids	1,210	mg/L
MW-252	Compliance	E005	04/18/2024	Turbidity, field	23.0	NTU
MW-352	Compliance	E005	04/18/2024	Antimony, total	0.001 UJ	mg/L
MW-352	Compliance	E005	04/18/2024	Arsenic, total	0.0004 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-352	Compliance	E005	04/18/2024	Barium, total	0.124	mg/L
MW-352	Compliance	E005	04/18/2024	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E005	04/18/2024	Boron, total	2.85	mg/L
MW-352	Compliance	E005	04/18/2024	Cadmium, total	0.0002 U	mg/L
MW-352	Compliance	E005	04/18/2024	Calcium, total	99.2	mg/L
MW-352	Compliance	E005	04/18/2024	Chloride, total	535	mg/L
MW-352	Compliance	E005	04/18/2024	Chromium, total	0.0007 U	mg/L
MW-352	Compliance	E005	04/18/2024	Cobalt, total	0.0001 U	mg/L
MW-352	Compliance	E005	04/18/2024	Dissolved Oxygen	2.90	mg/L
MW-352	Compliance	E005	04/18/2024	Fluoride, total	1.44	mg/L
MW-352	Compliance	E005	04/18/2024	Lead, total	0.0007 J	mg/L
MW-352	Compliance	E005	04/18/2024	Lithium, total	0.125	mg/L
MW-352	Compliance	E005	04/18/2024	Mercury, total	0.00006 U	mg/L
MW-352	Compliance	E005	04/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-352	Compliance	E005	04/18/2024	Oxidation Reduction Potential	-94.0	mV
MW-352	Compliance	E005	04/18/2024	pH (field)	7.4	SU
MW-352	Compliance	E005	04/18/2024	Radium 226 + Radium 228, total	0.905	pCi/L
MW-352	Compliance	E005	04/18/2024	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E005	04/18/2024	Specific Conductance @ 25C (field)	2,190	micromhos/cm
MW-352	Compliance	E005	04/18/2024	Sulfate, total	6 U	mg/L
MW-352	Compliance	E005	04/18/2024	Temperature	17.0	degrees C
MW-352	Compliance	E005	04/18/2024	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E005	04/18/2024	Total Dissolved Solids	1,430	mg/L
MW-352	Compliance	E005	04/18/2024	Turbidity, field	2.60	NTU
MW-366	Compliance	E005	04/16/2024	Antimony, total	0.0005 J	mg/L
MW-366	Compliance	E005	04/16/2024	Arsenic, total	0.0009 J	mg/L
MW-366	Compliance	E005	04/16/2024	Barium, total	0.0647	mg/L
MW-366	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-366	Compliance	E005	04/16/2024	Boron, total	3.60	mg/L
MW-366	Compliance	E005	04/16/2024	Cadmium, total	0.0002 J	mg/L
MW-366	Compliance	E005	04/16/2024	Calcium, total	228	mg/L
MW-366	Compliance	E005	04/16/2024	Chloride, total	52.0	mg/L
MW-366	Compliance	E005	04/16/2024	Chromium, total	0.0007 U	mg/L
MW-366	Compliance	E005	04/16/2024	Cobalt, total	0.00130	mg/L
MW-366	Compliance	E005	04/16/2024	Dissolved Oxygen	0.750	mg/L
MW-366	Compliance	E005	04/16/2024	Fluoride, total	0.460	mg/L
MW-366	Compliance	E005	04/16/2024	Lead, total	0.0006 U	mg/L
MW-366	Compliance	E005	04/16/2024	Lithium, total	0.0219	mg/L
MW-366	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-366	Compliance	E005	04/16/2024	Molybdenum, total	0.00440 J+	mg/L
MW-366	Compliance	E005	04/16/2024	Oxidation Reduction Potential	67.0	mV
MW-366	Compliance	E005	04/16/2024	pH (field)	6.8	SU
MW-366	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	0.965	pCi/L
MW-366	Compliance	E005	04/16/2024	Selenium, total	0.0007 J	mg/L
MW-366	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	1,450	micromhos/cm
MW-366	Compliance	E005	04/16/2024	Sulfate, total	709	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-366	Compliance	E005	04/16/2024	Temperature	16.4	degrees C
MW-366	Compliance	E005	04/16/2024	Thallium, total	0.001 U	mg/L
MW-366	Compliance	E005	04/16/2024	Total Dissolved Solids	1,340	mg/L
MW-366	Compliance	E005	04/16/2024	Turbidity, field	28.0	NTU
MW-375	Compliance	E005	04/17/2024	Antimony, total	0.00380	mg/L
MW-375	Compliance	E005	04/17/2024	Arsenic, total	0.00140	mg/L
MW-375	Compliance	E005	04/17/2024	Barium, total	0.0250	mg/L
MW-375	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-375	Compliance	E005	04/17/2024	Boron, total	1.20	mg/L
MW-375	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-375	Compliance	E005	04/17/2024	Calcium, total	13.2	mg/L
MW-375	Compliance	E005	04/17/2024	Chloride, total	109	mg/L
MW-375	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
MW-375	Compliance	E005	04/17/2024	Cobalt, total	0.0001 U	mg/L
MW-375	Compliance	E005	04/17/2024	Dissolved Oxygen	0.760	mg/L
MW-375	Compliance	E005	04/17/2024	Fluoride, total	2.60	mg/L
MW-375	Compliance	E005	04/17/2024	Lead, total	0.00150	mg/L
MW-375	Compliance	E005	04/17/2024	Lithium, total	0.0708	mg/L
MW-375	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
MW-375	Compliance	E005	04/17/2024	Molybdenum, total	0.0229	mg/L
MW-375	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-4.00	mV
MW-375	Compliance	E005	04/17/2024	pH (field)	7.8	SU
MW-375	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.456	pCi/L
MW-375	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
MW-375	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,260	micromhos/cm
MW-375	Compliance	E005	04/17/2024	Sulfate, total	118	mg/L
MW-375	Compliance	E005	04/17/2024	Temperature	15.6	degrees C
MW-375	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-375	Compliance	E005	04/17/2024	Total Dissolved Solids	980	mg/L
MW-375	Compliance	E005	04/17/2024	Turbidity, field	4.70	NTU
MW-377	Compliance	E005	04/17/2024	Antimony, total	0.00100	mg/L
MW-377	Compliance	E005	04/17/2024	Arsenic, total	0.0004 U	mg/L
MW-377	Compliance	E005	04/17/2024	Barium, total	0.0639	mg/L
MW-377	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-377	Compliance	E005	04/17/2024	Boron, total	1.70	mg/L
MW-377	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-377	Compliance	E005	04/17/2024	Calcium, total	58.0	mg/L
MW-377	Compliance	E005	04/17/2024	Chloride, total	93.0	mg/L
MW-377	Compliance	E005	04/17/2024	Chromium, total	0.0007 U	mg/L
MW-377	Compliance	E005	04/17/2024	Cobalt, total	0.0002 J	mg/L
MW-377	Compliance	E005	04/17/2024	Dissolved Oxygen	0.260	mg/L
MW-377	Compliance	E005	04/17/2024	Fluoride, total	1.14	mg/L
MW-377	Compliance	E005	04/17/2024	Lead, total	0.0006 U	mg/L
MW-377	Compliance	E005	04/17/2024	Lithium, total	0.0630	mg/L
MW-377	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
MW-377	Compliance	E005	04/17/2024	Molybdenum, total	0.0006 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-377	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-28.0	mV
MW-377	Compliance	E005	04/17/2024	pH (field)	7.1	SU
MW-377	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	1.19	pCi/L
MW-377	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
MW-377	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,120	micromhos/cm
MW-377	Compliance	E005	04/17/2024	Sulfate, total	38.0	mg/L
MW-377	Compliance	E005	04/17/2024	Temperature	18.0	degrees C
MW-377	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-377	Compliance	E005	04/17/2024	Total Dissolved Solids	638	mg/L
MW-377	Compliance	E005	04/17/2024	Turbidity, field	9.40	NTU
MW-383	Compliance	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
MW-383	Compliance	E005	04/17/2024	Arsenic, total	0.0005 J	mg/L
MW-383	Compliance	E005	04/17/2024	Barium, total	0.0495	mg/L
MW-383	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-383	Compliance	E005	04/17/2024	Boron, total	1.37	mg/L
MW-383	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-383	Compliance	E005	04/17/2024	Calcium, total	19.1	mg/L
MW-383	Compliance	E005	04/17/2024	Chloride, total	46.0	mg/L
MW-383	Compliance	E005	04/17/2024	Chromium, total	0.0007 U	mg/L
MW-383	Compliance	E005	04/17/2024	Cobalt, total	0.0001 U	mg/L
MW-383	Compliance	E005	04/17/2024	Dissolved Oxygen	0.660	mg/L
MW-383	Compliance	E005	04/17/2024	Fluoride, total	0.820	mg/L
MW-383	Compliance	E005	04/17/2024	Lead, total	0.0006 U	mg/L
MW-383	Compliance	E005	04/17/2024	Lithium, total	0.0371	mg/L
MW-383	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
MW-383	Compliance	E005	04/17/2024	Molybdenum, total	0.00910	mg/L
MW-383	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-44.0	mV
MW-383	Compliance	E005	04/17/2024	pH (field)	7.6	SU
MW-383	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.422	pCi/L
MW-383	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
MW-383	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	1,140	micromhos/cm
MW-383	Compliance	E005	04/17/2024	Sulfate, total	156	mg/L
MW-383	Compliance	E005	04/17/2024	Temperature	19.3	degrees C
MW-383	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-383	Compliance	E005	04/17/2024	Total Dissolved Solids	874	mg/L
MW-383	Compliance	E005	04/17/2024	Turbidity, field	5.20	NTU
MW-384	Compliance	E005	04/17/2024	Antimony, total	0.0004 U	mg/L
MW-384	Compliance	E005	04/17/2024	Arsenic, total	0.0004 U	mg/L
MW-384	Compliance	E005	04/17/2024	Barium, total	0.0554	mg/L
MW-384	Compliance	E005	04/17/2024	Beryllium, total	0.0002 U	mg/L
MW-384	Compliance	E005	04/17/2024	Boron, total	1.61	mg/L
MW-384	Compliance	E005	04/17/2024	Cadmium, total	0.0002 U	mg/L
MW-384	Compliance	E005	04/17/2024	Calcium, total	16.4	mg/L
MW-384	Compliance	E005	04/17/2024	Chloride, total	482	mg/L
MW-384	Compliance	E005	04/17/2024	Chromium, total	0.0015 UJ	mg/L
MW-384	Compliance	E005	04/17/2024	Cobalt, total	0.0001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-384	Compliance	E005	04/17/2024	Dissolved Oxygen	0.660	mg/L
MW-384	Compliance	E005	04/17/2024	Fluoride, total	4.54	mg/L
MW-384	Compliance	E005	04/17/2024	Lead, total	0.0006 U	mg/L
MW-384	Compliance	E005	04/17/2024	Lithium, total	0.0468	mg/L
MW-384	Compliance	E005	04/17/2024	Mercury, total	0.00006 U	mg/L
MW-384	Compliance	E005	04/17/2024	Molybdenum, total	0.0130	mg/L
MW-384	Compliance	E005	04/17/2024	Oxidation Reduction Potential	-18.0	mV
MW-384	Compliance	E005	04/17/2024	pH (field)	8.1	SU
MW-384	Compliance	E005	04/17/2024	Radium 226 + Radium 228, total	0.455	pCi/L
MW-384	Compliance	E005	04/17/2024	Selenium, total	0.0006 U	mg/L
MW-384	Compliance	E005	04/17/2024	Specific Conductance @ 25C (field)	2,160	micromhos/cm
MW-384	Compliance	E005	04/17/2024	Sulfate, total	9 J	mg/L
MW-384	Compliance	E005	04/17/2024	Temperature	18.4	degrees C
MW-384	Compliance	E005	04/17/2024	Thallium, total	0.001 U	mg/L
MW-384	Compliance	E005	04/17/2024	Total Dissolved Solids	1,530	mg/L
MW-384	Compliance	E005	04/17/2024	Turbidity, field	4.60	NTU
MW-390	Compliance	E005	04/16/2024	Antimony, total	0.0005 J	mg/L
MW-390	Compliance	E005	04/16/2024	Arsenic, total	0.00170	mg/L
MW-390	Compliance	E005	04/16/2024	Barium, total	0.102	mg/L
MW-390	Compliance	E005	04/16/2024	Beryllium, total	0.0002 U	mg/L
MW-390	Compliance	E005	04/16/2024	Boron, total	0.206 J+	mg/L
MW-390	Compliance	E005	04/16/2024	Cadmium, total	0.0002 U	mg/L
MW-390	Compliance	E005	04/16/2024	Calcium, total	96.6	mg/L
MW-390	Compliance	E005	04/16/2024	Chloride, total	112	mg/L
MW-390	Compliance	E005	04/16/2024	Chromium, total	0.0015 UJ	mg/L
MW-390	Compliance	E005	04/16/2024	Cobalt, total	0.0003 J	mg/L
MW-390	Compliance	E005	04/16/2024	Dissolved Oxygen	0.700	mg/L
MW-390	Compliance	E005	04/16/2024	Fluoride, total	1.22	mg/L
MW-390	Compliance	E005	04/16/2024	Lead, total	0.001 UJ	mg/L
MW-390	Compliance	E005	04/16/2024	Lithium, total	0.0112	mg/L
MW-390	Compliance	E005	04/16/2024	Mercury, total	0.00006 U	mg/L
MW-390	Compliance	E005	04/16/2024	Molybdenum, total	0.00400 J+	mg/L
MW-390	Compliance	E005	04/16/2024	Oxidation Reduction Potential	23.0	mV
MW-390	Compliance	E005	04/16/2024	pH (field)	7.2	SU
MW-390	Compliance	E005	04/16/2024	Radium 226 + Radium 228, total	1.38	pCi/L
MW-390	Compliance	E005	04/16/2024	Selenium, total	0.0006 U	mg/L
MW-390	Compliance	E005	04/16/2024	Specific Conductance @ 25C (field)	1,540	micromhos/cm
MW-390	Compliance	E005	04/16/2024	Sulfate, total	168	mg/L
MW-390	Compliance	E005	04/16/2024	Temperature	18.1	degrees C
MW-390	Compliance	E005	04/16/2024	Thallium, total	0.001 J	mg/L
MW-390	Compliance	E005	04/16/2024	Total Dissolved Solids	812	mg/L
MW-390	Compliance	E005	04/16/2024	Turbidity, field	6.00	NTU
MW-391	Compliance	E005	--	Antimony, total	--	mg/L
MW-391	Compliance	E005	--	Arsenic, total	--	mg/L
MW-391	Compliance	E005	--	Barium, total	--	mg/L
MW-391	Compliance	E005	--	Beryllium, total	--	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-391	Compliance	E005	--	Boron, total	--	mg/L
MW-391	Compliance	E005	--	Cadmium, total	--	mg/L
MW-391	Compliance	E005	--	Calcium, total	--	mg/L
MW-391	Compliance	E005	--	Chloride, total	--	mg/L
MW-391	Compliance	E005	--	Chromium, total	--	mg/L
MW-391	Compliance	E005	--	Cobalt, total	--	mg/L
MW-391	Compliance	E005	--	Dissolved Oxygen	--	mg/L
MW-391	Compliance	E005	--	Fluoride, total	--	mg/L
MW-391	Compliance	E005	--	Lead, total	--	mg/L
MW-391	Compliance	E005	--	Lithium, total	--	mg/L
MW-391	Compliance	E005	--	Mercury, total	--	mg/L
MW-391	Compliance	E005	--	Molybdenum, total	--	mg/L
MW-391	Compliance	E005	--	Oxidation Reduction Potential	--	mV
MW-391	Compliance	E005	--	pH (field)	--	SU
MW-391	Compliance	E005	--	Radium 226 + Radium 228, total	--	pCi/L
MW-391	Compliance	E005	--	Selenium, total	--	mg/L
MW-391	Compliance	E005	--	Specific Conductance @ 25C (field)	--	micromhos/cm
MW-391	Compliance	E005	--	Sulfate, total	--	mg/L
MW-391	Compliance	E005	--	Temperature	--	degrees C
MW-391	Compliance	E005	--	Thallium, total	--	mg/L
MW-391	Compliance	E005	--	Total Dissolved Solids	--	mg/L
MW-391	Compliance	E005	--	Turbidity, field	--	NTU

Notes:
– = no data available
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
FLY ASH POND SYSTEM
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
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
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-150	Compliance	E006	07/18/2024	Antimony, total	0.0004 U	mg/L
MW-150	Compliance	E006	07/18/2024	Arsenic, total	0.0004 U	mg/L
MW-150	Compliance	E006	07/18/2024	Barium, total	0.0152	mg/L
MW-150	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-150	Compliance	E006	07/18/2024	Boron, total	3.49	mg/L
MW-150	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-150	Compliance	E006	07/18/2024	Calcium, total	210	mg/L
MW-150	Compliance	E006	07/18/2024	Chloride, total	56.0	mg/L
MW-150	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-150	Compliance	E006	07/18/2024	Cobalt, total	0.0001 U	mg/L
MW-150	Compliance	E006	07/18/2024	Dissolved Oxygen	0.490	mg/L
MW-150	Compliance	E006	07/18/2024	Fluoride, total	0.680	mg/L
MW-150	Compliance	E006	07/18/2024	Lead, total	0.00130	mg/L
MW-150	Compliance	E006	07/18/2024	Lithium, total	0.0511	mg/L
MW-150	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-150	Compliance	E006	07/18/2024	Molybdenum, total	0.0006 J	mg/L
MW-150	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-61.0	mV
MW-150	Compliance	E006	07/18/2024	pH (field)	7.3	SU
MW-150	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.0284	pCi/L
MW-150	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-150	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	2,060	micromhos/cm
MW-150	Compliance	E006	07/18/2024	Sulfate, total	908	mg/L
MW-150	Compliance	E006	07/18/2024	Temperature	16.0	degrees C
MW-150	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-150	Compliance	E006	07/18/2024	Total Dissolved Solids	1,670	mg/L
MW-150	Compliance	E006	07/18/2024	Turbidity, field	3.80	NTU
MW-151	Compliance	E006	07/18/2024	Antimony, total	0.00170	mg/L
MW-151	Compliance	E006	07/18/2024	Arsenic, total	0.0004 U	mg/L
MW-151	Compliance	E006	07/18/2024	Barium, total	0.0569	mg/L
MW-151	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-151	Compliance	E006	07/18/2024	Boron, total	0.620	mg/L
MW-151	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-151	Compliance	E006	07/18/2024	Calcium, total	120	mg/L
MW-151	Compliance	E006	07/18/2024	Chloride, total	41.0	mg/L
MW-151	Compliance	E006	07/18/2024	Chromium, total	0.00180	mg/L
MW-151	Compliance	E006	07/18/2024	Cobalt, total	0.00130 J+	mg/L
MW-151	Compliance	E006	07/18/2024	Dissolved Oxygen	1.00	mg/L
MW-151	Compliance	E006	07/18/2024	Fluoride, total	0.570	mg/L
MW-151	Compliance	E006	07/18/2024	Lead, total	0.0009 J	mg/L
MW-151	Compliance	E006	07/18/2024	Lithium, total	0.0296	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-151	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-151	Compliance	E006	07/18/2024	Molybdenum, total	0.0008 J	mg/L
MW-151	Compliance	E006	07/18/2024	Oxidation Reduction Potential	4.00	mV
MW-151	Compliance	E006	07/18/2024	pH (field)	7.0	SU
MW-151	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.843	pCi/L
MW-151	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,030	micromhos/cm
MW-151	Compliance	E006	07/18/2024	Sulfate, total	93.0	mg/L
MW-151	Compliance	E006	07/18/2024	Temperature	15.9	degrees C
MW-151	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E006	07/18/2024	Total Dissolved Solids	606	mg/L
MW-151	Compliance	E006	07/18/2024	Turbidity, field	6.00	NTU
MW-152	Compliance	E006	07/18/2024	Antimony, total	0.0008 J	mg/L
MW-152	Compliance	E006	07/18/2024	Arsenic, total	0.0004 U	mg/L
MW-152	Compliance	E006	07/18/2024	Barium, total	0.0146	mg/L
MW-152	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-152	Compliance	E006	07/18/2024	Boron, total	0.608	mg/L
MW-152	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-152	Compliance	E006	07/18/2024	Calcium, total	129	mg/L
MW-152	Compliance	E006	07/18/2024	Chloride, total	11.0	mg/L
MW-152	Compliance	E006	07/18/2024	Chromium, total	0.0011 J	mg/L
MW-152	Compliance	E006	07/18/2024	Cobalt, total	0.001 UJ	mg/L
MW-152	Compliance	E006	07/18/2024	Dissolved Oxygen	1.29	mg/L
MW-152	Compliance	E006	07/18/2024	Fluoride, total	0.310	mg/L
MW-152	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-152	Compliance	E006	07/18/2024	Lithium, total	0.0110	mg/L
MW-152	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-152	Compliance	E006	07/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-152	Compliance	E006	07/18/2024	Oxidation Reduction Potential	87.0	mV
MW-152	Compliance	E006	07/18/2024	pH (field)	7.1	SU
MW-152	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.508	pCi/L
MW-152	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-152	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,260	micromhos/cm
MW-152	Compliance	E006	07/18/2024	Sulfate, total	340	mg/L
MW-152	Compliance	E006	07/18/2024	Temperature	16.2	degrees C
MW-152	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-152	Compliance	E006	07/18/2024	Total Dissolved Solids	920	mg/L
MW-152	Compliance	E006	07/18/2024	Turbidity, field	7.00	NTU
MW-153	Compliance	E006	07/18/2024	Antimony, total	0.0007 J	mg/L
MW-153	Compliance	E006	07/18/2024	Arsenic, total	0.0009 J	mg/L
MW-153	Compliance	E006	07/18/2024	Barium, total	0.0512	mg/L
MW-153	Compliance	E006	07/18/2024	Beryllium, total	0.001 UJ	mg/L
MW-153	Compliance	E006	07/18/2024	Boron, total	0.013 J	mg/L
MW-153	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-153	Compliance	E006	07/18/2024	Calcium, total	52.1	mg/L
MW-153	Compliance	E006	07/18/2024	Chloride, total	20.0	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-153	Compliance	E006	07/18/2024	Chromium, total	0.00370	mg/L
MW-153	Compliance	E006	07/18/2024	Cobalt, total	0.001 UJ	mg/L
MW-153	Compliance	E006	07/18/2024	Dissolved Oxygen	1.10	mg/L
MW-153	Compliance	E006	07/18/2024	Fluoride, total	0.420	mg/L
MW-153	Compliance	E006	07/18/2024	Lead, total	0.00170	mg/L
MW-153	Compliance	E006	07/18/2024	Lithium, total	0.00660	mg/L
MW-153	Compliance	E006	07/18/2024	Mercury, total	0.00006 J	mg/L
MW-153	Compliance	E006	07/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-153	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-42.0	mV
MW-153	Compliance	E006	07/18/2024	pH (field)	7.3	SU
MW-153	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	1.35	pCi/L
MW-153	Compliance	E006	07/18/2024	Selenium, total	0.00210	mg/L
MW-153	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	635	micromhos/cm
MW-153	Compliance	E006	07/18/2024	Sulfate, total	84.0	mg/L
MW-153	Compliance	E006	07/18/2024	Temperature	15.6	degrees C
MW-153	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E006	07/18/2024	Total Dissolved Solids	444	mg/L
MW-153	Compliance	E006	07/18/2024	Turbidity, field	110	NTU
MW-252	Compliance	E006	07/18/2024	Antimony, total	0.0005 J	mg/L
MW-252	Compliance	E006	07/18/2024	Arsenic, total	0.0006 J	mg/L
MW-252	Compliance	E006	07/18/2024	Barium, total	0.0252	mg/L
MW-252	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-252	Compliance	E006	07/18/2024	Boron, total	0.135	mg/L
MW-252	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-252	Compliance	E006	07/18/2024	Calcium, total	211	mg/L
MW-252	Compliance	E006	07/18/2024	Chloride, total	37.0	mg/L
MW-252	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-252	Compliance	E006	07/18/2024	Cobalt, total	0.00370 J+	mg/L
MW-252	Compliance	E006	07/18/2024	Dissolved Oxygen	2.34	mg/L
MW-252	Compliance	E006	07/18/2024	Fluoride, total	0.230	mg/L
MW-252	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-252	Compliance	E006	07/18/2024	Lithium, total	0.0151	mg/L
MW-252	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-252	Compliance	E006	07/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-252	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-61.0	mV
MW-252	Compliance	E006	07/18/2024	pH (field)	6.9	SU
MW-252	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.557	pCi/L
MW-252	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-252	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,580	micromhos/cm
MW-252	Compliance	E006	07/18/2024	Sulfate, total	487	mg/L
MW-252	Compliance	E006	07/18/2024	Temperature	18.5	degrees C
MW-252	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-252	Compliance	E006	07/18/2024	Total Dissolved Solids	1,220	mg/L
MW-252	Compliance	E006	07/18/2024	Turbidity, field	33.0	NTU
MW-253R	Compliance	E006	07/18/2024	Antimony, total	0.001 UJ	mg/L
MW-253R	Compliance	E006R	08/28/2024	Antimony, total	0.0005 J+	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-253R	Compliance	E006	07/18/2024	Arsenic, total	0.00120	mg/L
MW-253R	Compliance	E006R	08/28/2024	Arsenic, total	0.0100 J	mg/L
MW-253R	Compliance	E006	07/18/2024	Barium, total	0.111	mg/L
MW-253R	Compliance	E006R	08/28/2024	Barium, total	0.119	mg/L
MW-253R	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Beryllium, total	0.0008 J	mg/L
MW-253R	Compliance	E006	07/18/2024	Boron, total	0.182	mg/L
MW-253R	Compliance	E006R	08/28/2024	Boron, total	0.225	mg/L
MW-253R	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Cadmium, total	0.0002 U	mg/L
MW-253R	Compliance	E006	07/18/2024	Calcium, total	170	mg/L
MW-253R	Compliance	E006R	08/28/2024	Calcium, total	198	mg/L
MW-253R	Compliance	E006	07/18/2024	Chloride, total	23.0	mg/L
MW-253R	Compliance	E006R	08/28/2024	Chloride, total	24.5	mg/L
MW-253R	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Chromium, total	0.0149 J	mg/L
MW-253R	Compliance	E006	07/18/2024	Cobalt, total	0.0001 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Cobalt, total	0.00480 J	mg/L
MW-253R	Compliance	E006	07/18/2024	Dissolved Oxygen	0.470	mg/L
MW-253R	Compliance	E006R	08/28/2024	Dissolved Oxygen	4.20	mg/L
MW-253R	Compliance	E006	07/18/2024	Fluoride, total	0.460	mg/L
MW-253R	Compliance	E006R	08/28/2024	Fluoride, total	0.12 J	mg/L
MW-253R	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Lead, total	0.00410 J	mg/L
MW-253R	Compliance	E006	07/18/2024	Lithium, total	0.0142	mg/L
MW-253R	Compliance	E006R	08/28/2024	Lithium, total	0.0206	mg/L
MW-253R	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Mercury, total	0.00006 U	mg/L
MW-253R	Compliance	E006	07/18/2024	Molybdenum, total	0.00410	mg/L
MW-253R	Compliance	E006R	08/28/2024	Molybdenum, total	0.00550 J	mg/L
MW-253R	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-78.0	mV
MW-253R	Compliance	E006R	08/28/2024	Oxidation Reduction Potential	-134	mV
MW-253R	Compliance	E006	07/18/2024	pH (field)	7.1	SU
MW-253R	Compliance	E006R	08/28/2024	pH (field)	6.9	SU
MW-253R	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	1.12	pCi/L
MW-253R	Compliance	E006R	08/28/2024	Radium 226 + Radium 228, total	1.47	pCi/L
MW-253R	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Selenium, total	0.0006 U	mg/L
MW-253R	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,650	micromhos/cm
MW-253R	Compliance	E006R	08/28/2024	Specific Conductance @ 25C (field)	1,580	micromhos/cm
MW-253R	Compliance	E006	07/18/2024	Sulfate, total	549	mg/L
MW-253R	Compliance	E006R	08/28/2024	Sulfate, total	434	mg/L
MW-253R	Compliance	E006	07/18/2024	Temperature	15.8	degrees C
MW-253R	Compliance	E006R	08/28/2024	Temperature	18.9	degrees C
MW-253R	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-253R	Compliance	E006R	08/28/2024	Thallium, total	0.001 U	mg/L

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BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-253R	Compliance	E006	07/18/2024	Total Dissolved Solids	1,250	mg/L
MW-253R	Compliance	E006R	08/28/2024	Total Dissolved Solids	1,020	mg/L
MW-253R	Compliance	E006	07/18/2024	Turbidity, field	4.90	NTU
MW-253R	Compliance	E006R	08/28/2024	Turbidity, field	6.20	NTU
MW-350R	Compliance	E006	07/18/2024	Antimony, total	0.001 UJ	mg/L
MW-350R	Compliance	E006	07/18/2024	Arsenic, total	0.00290	mg/L
MW-350R	Compliance	E006	07/18/2024	Barium, total	0.106	mg/L
MW-350R	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-350R	Compliance	E006	07/18/2024	Boron, total	1.02	mg/L
MW-350R	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-350R	Compliance	E006	07/18/2024	Calcium, total	48.7	mg/L
MW-350R	Compliance	E006	07/18/2024	Chloride, total	26.0	mg/L
MW-350R	Compliance	E006	07/18/2024	Chromium, total	0.001 J	mg/L
MW-350R	Compliance	E006	07/18/2024	Cobalt, total	0.001 UJ	mg/L
MW-350R	Compliance	E006	07/18/2024	Dissolved Oxygen	0.480	mg/L
MW-350R	Compliance	E006	07/18/2024	Fluoride, total	0.870	mg/L
MW-350R	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-350R	Compliance	E006	07/18/2024	Lithium, total	0.0754	mg/L
MW-350R	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-350R	Compliance	E006	07/18/2024	Molybdenum, total	0.0175	mg/L
MW-350R	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-87.0	mV
MW-350R	Compliance	E006	07/18/2024	pH (field)	7.7	SU
MW-350R	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.34	pCi/L
MW-350R	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-350R	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	818	micromhos/cm
MW-350R	Compliance	E006	07/18/2024	Sulfate, total	70.0	mg/L
MW-350R	Compliance	E006	07/18/2024	Temperature	18.2	degrees C
MW-350R	Compliance	E006	07/18/2024	Thallium, total	0.0014 J	mg/L
MW-350R	Compliance	E006	07/18/2024	Total Dissolved Solids	506	mg/L
MW-350R	Compliance	E006	07/18/2024	Turbidity, field	17.0	NTU
MW-352	Compliance	E006	07/18/2024	Antimony, total	0.0004 U	mg/L
MW-352	Compliance	E006	07/18/2024	Arsenic, total	0.0004 U	mg/L
MW-352	Compliance	E006	07/18/2024	Barium, total	0.0917	mg/L
MW-352	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E006	07/18/2024	Boron, total	2.01	mg/L
MW-352	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-352	Compliance	E006	07/18/2024	Calcium, total	95.6	mg/L
MW-352	Compliance	E006	07/18/2024	Chloride, total	573	mg/L
MW-352	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-352	Compliance	E006	07/18/2024	Cobalt, total	0.0001 U	mg/L
MW-352	Compliance	E006	07/18/2024	Dissolved Oxygen	4.60	mg/L
MW-352	Compliance	E006	07/18/2024	Fluoride, total	1.54	mg/L
MW-352	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-352	Compliance	E006	07/18/2024	Lithium, total	0.0975	mg/L
MW-352	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-352	Compliance	E006	07/18/2024	Molybdenum, total	0.0006 U	mg/L

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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-352	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-43.0	mV
MW-352	Compliance	E006	07/18/2024	pH (field)	7.7	SU
MW-352	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.878	pCi/L
MW-352	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	2,000	micromhos/cm
MW-352	Compliance	E006	07/18/2024	Sulfate, total	6 U	mg/L
MW-352	Compliance	E006	07/18/2024	Temperature	17.2	degrees C
MW-352	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E006	07/18/2024	Total Dissolved Solids	1,320	mg/L
MW-352	Compliance	E006	07/18/2024	Turbidity, field	2.00	NTU
MW-366	Compliance	E006	07/18/2024	Antimony, total	0.0006 J	mg/L
MW-366	Compliance	E006	07/18/2024	Arsenic, total	0.0005 J	mg/L
MW-366	Compliance	E006	07/18/2024	Barium, total	0.0296	mg/L
MW-366	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-366	Compliance	E006	07/18/2024	Boron, total	2.71	mg/L
MW-366	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-366	Compliance	E006	07/18/2024	Calcium, total	270	mg/L
MW-366	Compliance	E006	07/18/2024	Chloride, total	61.0	mg/L
MW-366	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-366	Compliance	E006	07/18/2024	Cobalt, total	0.001 UJ	mg/L
MW-366	Compliance	E006	07/18/2024	Dissolved Oxygen	0.170	mg/L
MW-366	Compliance	E006	07/18/2024	Fluoride, total	0.330	mg/L
MW-366	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-366	Compliance	E006	07/18/2024	Lithium, total	0.0110	mg/L
MW-366	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-366	Compliance	E006	07/18/2024	Molybdenum, total	0.00320	mg/L
MW-366	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-24.0	mV
MW-366	Compliance	E006	07/18/2024	pH (field)	6.9	SU
MW-366	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.156	pCi/L
MW-366	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-366	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,970	micromhos/cm
MW-366	Compliance	E006	07/18/2024	Sulfate, total	790	mg/L
MW-366	Compliance	E006	07/18/2024	Temperature	17.6	degrees C
MW-366	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-366	Compliance	E006	07/18/2024	Total Dissolved Solids	1,630	mg/L
MW-366	Compliance	E006	07/18/2024	Turbidity, field	12.0	NTU
MW-375	Compliance	E006	07/18/2024	Antimony, total	0.0006 J	mg/L
MW-375	Compliance	E006	07/18/2024	Arsenic, total	0.00170	mg/L
MW-375	Compliance	E006	07/18/2024	Barium, total	0.0242	mg/L
MW-375	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-375	Compliance	E006	07/18/2024	Boron, total	1.21	mg/L
MW-375	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-375	Compliance	E006	07/18/2024	Calcium, total	12.4	mg/L
MW-375	Compliance	E006	07/18/2024	Chloride, total	86.0	mg/L
MW-375	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-375	Compliance	E006	07/18/2024	Cobalt, total	0.001 UJ	mg/L

TABLE 1.
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-375	Compliance	E006	07/18/2024	Dissolved Oxygen	0.220	mg/L
MW-375	Compliance	E006	07/18/2024	Fluoride, total	2.42	mg/L
MW-375	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-375	Compliance	E006	07/18/2024	Lithium, total	0.0695	mg/L
MW-375	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-375	Compliance	E006	07/18/2024	Molybdenum, total	0.0167	mg/L
MW-375	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-209	mV
MW-375	Compliance	E006	07/18/2024	pH (field)	7.7	SU
MW-375	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.248	pCi/L
MW-375	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-375	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,480	micromhos/cm
MW-375	Compliance	E006	07/18/2024	Sulfate, total	103 J-	mg/L
MW-375	Compliance	E006	07/18/2024	Temperature	15.7	degrees C
MW-375	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-375	Compliance	E006	07/18/2024	Total Dissolved Solids	916	mg/L
MW-375	Compliance	E006	07/18/2024	Turbidity, field	23.0	NTU
MW-377	Compliance	E006	07/18/2024	Antimony, total	0.0004 U	mg/L
MW-377	Compliance	E006	07/18/2024	Arsenic, total	0.0004 U	mg/L
MW-377	Compliance	E006	07/18/2024	Barium, total	0.0574	mg/L
MW-377	Compliance	E006	07/18/2024	Beryllium, total	0.0002 U	mg/L
MW-377	Compliance	E006	07/18/2024	Boron, total	1.62	mg/L
MW-377	Compliance	E006	07/18/2024	Cadmium, total	0.0002 U	mg/L
MW-377	Compliance	E006	07/18/2024	Calcium, total	57.8	mg/L
MW-377	Compliance	E006	07/18/2024	Chloride, total	103	mg/L
MW-377	Compliance	E006	07/18/2024	Chromium, total	0.0007 U	mg/L
MW-377	Compliance	E006	07/18/2024	Cobalt, total	0.0001 U	mg/L
MW-377	Compliance	E006	07/18/2024	Dissolved Oxygen	0.400	mg/L
MW-377	Compliance	E006	07/18/2024	Fluoride, total	1.28	mg/L
MW-377	Compliance	E006	07/18/2024	Lead, total	0.0006 U	mg/L
MW-377	Compliance	E006	07/18/2024	Lithium, total	0.0630	mg/L
MW-377	Compliance	E006	07/18/2024	Mercury, total	0.00006 U	mg/L
MW-377	Compliance	E006	07/18/2024	Molybdenum, total	0.0006 U	mg/L
MW-377	Compliance	E006	07/18/2024	Oxidation Reduction Potential	-23.0	mV
MW-377	Compliance	E006	07/18/2024	pH (field)	7.0	SU
MW-377	Compliance	E006	07/18/2024	Radium 226 + Radium 228, total	0.362	pCi/L
MW-377	Compliance	E006	07/18/2024	Selenium, total	0.0006 U	mg/L
MW-377	Compliance	E006	07/18/2024	Specific Conductance @ 25C (field)	1,050	micromhos/cm
MW-377	Compliance	E006	07/18/2024	Sulfate, total	37.0	mg/L
MW-377	Compliance	E006	07/18/2024	Temperature	17.0	degrees C
MW-377	Compliance	E006	07/18/2024	Thallium, total	0.001 U	mg/L
MW-377	Compliance	E006	07/18/2024	Total Dissolved Solids	638	mg/L
MW-377	Compliance	E006	07/18/2024	Turbidity, field	26.0	NTU
MW-383	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
MW-383	Compliance	E006	07/17/2024	Arsenic, total	0.0006 J	mg/L
MW-383	Compliance	E006	07/17/2024	Barium, total	0.0505	mg/L
MW-383	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
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FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-383	Compliance	E006	07/17/2024	Boron, total	1.30	mg/L
MW-383	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-383	Compliance	E006	07/17/2024	Calcium, total	22.6	mg/L
MW-383	Compliance	E006	07/17/2024	Chloride, total	43.0	mg/L
MW-383	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
MW-383	Compliance	E006	07/17/2024	Cobalt, total	0.001 UJ	mg/L
MW-383	Compliance	E006	07/17/2024	Dissolved Oxygen	0.0800	mg/L
MW-383	Compliance	E006	07/17/2024	Fluoride, total	0.700	mg/L
MW-383	Compliance	E006	07/17/2024	Lead, total	0.0006 U	mg/L
MW-383	Compliance	E006	07/17/2024	Lithium, total	0.0355	mg/L
MW-383	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-383	Compliance	E006	07/17/2024	Molybdenum, total	0.00960	mg/L
MW-383	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-81.0	mV
MW-383	Compliance	E006	07/17/2024	pH (field)	7.7	SU
MW-383	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.174	pCi/L
MW-383	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-383	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	1,480	micromhos/cm
MW-383	Compliance	E006	07/17/2024	Sulfate, total	166	mg/L
MW-383	Compliance	E006	07/17/2024	Temperature	19.7	degrees C
MW-383	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
MW-383	Compliance	E006	07/17/2024	Total Dissolved Solids	976	mg/L
MW-383	Compliance	E006	07/17/2024	Turbidity, field	49.0	NTU
MW-384	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
MW-384	Compliance	E006	07/17/2024	Arsenic, total	0.0004 U	mg/L
MW-384	Compliance	E006	07/17/2024	Barium, total	0.0476	mg/L
MW-384	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-384	Compliance	E006	07/17/2024	Boron, total	1.44	mg/L
MW-384	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-384	Compliance	E006	07/17/2024	Calcium, total	12.9	mg/L
MW-384	Compliance	E006	07/17/2024	Chloride, total	520	mg/L
MW-384	Compliance	E006	07/17/2024	Chromium, total	0.00280	mg/L
MW-384	Compliance	E006	07/17/2024	Cobalt, total	0.001 UJ	mg/L
MW-384	Compliance	E006	07/17/2024	Dissolved Oxygen	0.180	mg/L
MW-384	Compliance	E006	07/17/2024	Fluoride, total	4.58	mg/L
MW-384	Compliance	E006	07/17/2024	Lead, total	0.0006 J	mg/L
MW-384	Compliance	E006	07/17/2024	Lithium, total	0.0437	mg/L
MW-384	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-384	Compliance	E006	07/17/2024	Molybdenum, total	0.0116	mg/L
MW-384	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-4.00	mV
MW-384	Compliance	E006	07/17/2024	pH (field)	8.3	SU
MW-384	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.668	pCi/L
MW-384	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-384	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	2,860	micromhos/cm
MW-384	Compliance	E006	07/17/2024	Sulfate, total	32.0	mg/L
MW-384	Compliance	E006	07/17/2024	Temperature	19.8	degrees C
MW-384	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-384	Compliance	E006	07/17/2024	Total Dissolved Solids	1,570	mg/L
MW-384	Compliance	E006	07/17/2024	Turbidity, field	9.60	NTU
MW-390	Compliance	E006	07/17/2024	Antimony, total	0.0004 U	mg/L
MW-390	Compliance	E006	07/17/2024	Arsenic, total	0.0009 J	mg/L
MW-390	Compliance	E006	07/17/2024	Barium, total	0.0627	mg/L
MW-390	Compliance	E006	07/17/2024	Beryllium, total	0.0002 U	mg/L
MW-390	Compliance	E006	07/17/2024	Boron, total	0.451	mg/L
MW-390	Compliance	E006	07/17/2024	Cadmium, total	0.0002 U	mg/L
MW-390	Compliance	E006	07/17/2024	Calcium, total	79.9	mg/L
MW-390	Compliance	E006	07/17/2024	Chloride, total	204	mg/L
MW-390	Compliance	E006	07/17/2024	Chromium, total	0.0007 U	mg/L
MW-390	Compliance	E006	07/17/2024	Cobalt, total	0.00160 J+	mg/L
MW-390	Compliance	E006	07/17/2024	Dissolved Oxygen	0.0500	mg/L
MW-390	Compliance	E006	07/17/2024	Fluoride, total	1.39	mg/L
MW-390	Compliance	E006	07/17/2024	Lead, total	0.0006 J	mg/L
MW-390	Compliance	E006	07/17/2024	Lithium, total	0.0290	mg/L
MW-390	Compliance	E006	07/17/2024	Mercury, total	0.00006 U	mg/L
MW-390	Compliance	E006	07/17/2024	Molybdenum, total	0.00290	mg/L
MW-390	Compliance	E006	07/17/2024	Oxidation Reduction Potential	-94.0	mV
MW-390	Compliance	E006	07/17/2024	pH (field)	7.5	SU
MW-390	Compliance	E006	07/17/2024	Radium 226 + Radium 228, total	0.375	pCi/L
MW-390	Compliance	E006	07/17/2024	Selenium, total	0.0006 U	mg/L
MW-390	Compliance	E006	07/17/2024	Specific Conductance @ 25C (field)	2,320	micromhos/cm
MW-390	Compliance	E006	07/17/2024	Sulfate, total	245	mg/L
MW-390	Compliance	E006	07/17/2024	Temperature	18.3	degrees C
MW-390	Compliance	E006	07/17/2024	Thallium, total	0.001 U	mg/L
MW-390	Compliance	E006	07/17/2024	Total Dissolved Solids	1,050	mg/L
MW-390	Compliance	E006	07/17/2024	Turbidity, field	15.0	NTU
MW-391	Compliance	E006	07/19/2024	Antimony, total	0.0008 J	mg/L
MW-391	Compliance	E006	07/19/2024	Arsenic, total	0.00200	mg/L
MW-391	Compliance	E006	07/19/2024	Barium, total	0.0183	mg/L
MW-391	Compliance	E006	07/19/2024	Beryllium, total	0.0002 U	mg/L
MW-391	Compliance	E006	07/19/2024	Boron, total	0.767	mg/L
MW-391	Compliance	E006	07/19/2024	Cadmium, total	0.0002 U	mg/L
MW-391	Compliance	E006	07/19/2024	Calcium, total	9.87	mg/L
MW-391	Compliance	E006	07/19/2024	Chloride, total	56.0	mg/L
MW-391	Compliance	E006	07/19/2024	Chromium, total	0.0007 U	mg/L
MW-391	Compliance	E006	07/19/2024	Cobalt, total	0.0001 U	mg/L
MW-391	Compliance	E006	07/19/2024	Dissolved Oxygen	5.67	mg/L
MW-391	Compliance	E006	07/19/2024	Fluoride, total	1.46	mg/L
MW-391	Compliance	E006	07/19/2024	Lead, total	0.0006 U	mg/L
MW-391	Compliance	E006	07/19/2024	Lithium, total	0.0477	mg/L
MW-391	Compliance	E006	07/19/2024	Mercury, total	0.00006 U	mg/L
MW-391	Compliance	E006	07/19/2024	Molybdenum, total	0.0356	mg/L
MW-391	Compliance	E006	07/19/2024	Oxidation Reduction Potential	91.0	mV
MW-391	Compliance	E006	07/19/2024	pH (field)	7.8	SU

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-391	Compliance	E006	07/19/2024	Radium 226 + Radium 228, total	0.242	pCi/L
MW-391	Compliance	E006	07/19/2024	Selenium, total	0.00400	mg/L
MW-391	Compliance	E006	07/19/2024	Specific Conductance @ 25C (field)	1,250	micromhos/cm
MW-391	Compliance	E006	07/19/2024	Sulfate, total	139	mg/L
MW-391	Compliance	E006	07/19/2024	Temperature	18.8	degrees C
MW-391	Compliance	E006	07/19/2024	Thallium, total	0.001 U	mg/L
MW-391	Compliance	E006	07/19/2024	Total Dissolved Solids	880	mg/L
MW-391	Compliance	E006	07/19/2024	Turbidity, field	93.0	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
R = indicates that a resample was completed in accordance with the Statistical Analysis Plan
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
FLY ASH POND SYSTEM
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
FLY ASH POND SYSTEM
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-150	Compliance	E007	10/15/2024	Antimony, total	0.0009 J	mg/L
MW-150	Compliance	E007	10/15/2024	Arsenic, total	0.0004 J	mg/L
MW-150	Compliance	E007	10/15/2024	Barium, total	0.0163	mg/L
MW-150	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-150	Compliance	E007	10/15/2024	Boron, total	4.47	mg/L
MW-150	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-150	Compliance	E007	10/15/2024	Calcium, total	189	mg/L
MW-150	Compliance	E007	10/15/2024	Chloride, total	50.1	mg/L
MW-150	Compliance	E007	10/15/2024	Chromium, total	0.0009 J	mg/L
MW-150	Compliance	E007	10/15/2024	Cobalt, total	0.0001 U	mg/L
MW-150	Compliance	E007	10/15/2024	Dissolved Oxygen	1.77	mg/L
MW-150	Compliance	E007	10/15/2024	Fluoride, total	0.720	mg/L
MW-150	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-150	Compliance	E007	10/15/2024	Lithium, total	0.0538	mg/L
MW-150	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-150	Compliance	E007	10/15/2024	Molybdenum, total	0.00190	mg/L
MW-150	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-107	mV
MW-150	Compliance	E007	10/15/2024	pH (field)	6.9	SU
MW-150	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.253	pCi/L
MW-150	Compliance	E007	10/15/2024	Selenium, total	0.0009 J	mg/L
MW-150	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	2,090	micromhos/cm
MW-150	Compliance	E007	10/15/2024	Sulfate, total	883	mg/L
MW-150	Compliance	E007	10/15/2024	Temperature	13.9	degrees C
MW-150	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-150	Compliance	E007	10/15/2024	Total Dissolved Solids	1,640	mg/L
MW-150	Compliance	E007	10/15/2024	Turbidity, field	3.10	NTU
MW-151	Compliance	E007	10/16/2024	Antimony, total	0.0005 J	mg/L
MW-151	Compliance	E007	10/16/2024	Arsenic, total	0.0005 J	mg/L
MW-151	Compliance	E007	10/16/2024	Barium, total	0.0614	mg/L
MW-151	Compliance	E007	10/16/2024	Beryllium, total	0.0003 J	mg/L
MW-151	Compliance	E007	10/16/2024	Boron, total	1.64	mg/L
MW-151	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-151	Compliance	E007	10/16/2024	Calcium, total	129	mg/L
MW-151	Compliance	E007	10/16/2024	Chloride, total	59.6	mg/L
MW-151	Compliance	E007	10/16/2024	Chromium, total	0.0187	mg/L
MW-151	Compliance	E007	10/16/2024	Cobalt, total	0.00130	mg/L
MW-151	Compliance	E007	10/16/2024	Dissolved Oxygen	0.500	mg/L
MW-151	Compliance	E007	10/16/2024	Fluoride, total	0.580	mg/L
MW-151	Compliance	E007	10/16/2024	Lead, total	0.0009 J	mg/L
MW-151	Compliance	E007	10/16/2024	Lithium, total	0.0297	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-151	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-151	Compliance	E007	10/16/2024	Molybdenum, total	0.0006 J	mg/L
MW-151	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-154	mV
MW-151	Compliance	E007	10/16/2024	pH (field)	6.8	SU
MW-151	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.148	pCi/L
MW-151	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,670	micromhos/cm
MW-151	Compliance	E007	10/16/2024	Sulfate, total	141	mg/L
MW-151	Compliance	E007	10/16/2024	Temperature	17.1	degrees C
MW-151	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E007	10/16/2024	Total Dissolved Solids	790	mg/L
MW-151	Compliance	E007	10/16/2024	Turbidity, field	27.0	NTU
MW-152	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-152	Compliance	E007	10/16/2024	Arsenic, total	0.0004 U	mg/L
MW-152	Compliance	E007	10/16/2024	Barium, total	0.0232	mg/L
MW-152	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-152	Compliance	E007	10/16/2024	Boron, total	23.0	mg/L
MW-152	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-152	Compliance	E007	10/16/2024	Calcium, total	275	mg/L
MW-152	Compliance	E007	10/16/2024	Chloride, total	55.5	mg/L
MW-152	Compliance	E007	10/16/2024	Chromium, total	0.0011 J	mg/L
MW-152	Compliance	E007	10/16/2024	Cobalt, total	0.0003 J	mg/L
MW-152	Compliance	E007	10/16/2024	Dissolved Oxygen	0.240	mg/L
MW-152	Compliance	E007	10/16/2024	Fluoride, total	0.2 J	mg/L
MW-152	Compliance	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-152	Compliance	E007	10/16/2024	Lithium, total	0.0153	mg/L
MW-152	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-152	Compliance	E007	10/16/2024	Molybdenum, total	0.0007 J	mg/L
MW-152	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-37.0	mV
MW-152	Compliance	E007	10/16/2024	pH (field)	6.7	SU
MW-152	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.768	pCi/L
MW-152	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-152	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,450	micromhos/cm
MW-152	Compliance	E007	10/16/2024	Sulfate, total	988	mg/L
MW-152	Compliance	E007	10/16/2024	Temperature	16.1	degrees C
MW-152	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-152	Compliance	E007	10/16/2024	Total Dissolved Solids	2,000	mg/L
MW-152	Compliance	E007	10/16/2024	Turbidity, field	49.0	NTU
MW-153	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-153	Compliance	E007	10/16/2024	Arsenic, total	0.0007 J	mg/L
MW-153	Compliance	E007	10/16/2024	Barium, total	0.0504	mg/L
MW-153	Compliance	E007	10/16/2024	Beryllium, total	0.0003 J	mg/L
MW-153	Compliance	E007	10/16/2024	Boron, total	0.256 J+	mg/L
MW-153	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-153	Compliance	E007	10/16/2024	Calcium, total	55.3	mg/L
MW-153	Compliance	E007	10/16/2024	Chloride, total	18.3	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-153	Compliance	E007	10/16/2024	Chromium, total	0.00320	mg/L
MW-153	Compliance	E007	10/16/2024	Cobalt, total	0.0005 J	mg/L
MW-153	Compliance	E007	10/16/2024	Dissolved Oxygen	2.68	mg/L
MW-153	Compliance	E007	10/16/2024	Fluoride, total	0.43 J	mg/L
MW-153	Compliance	E007	10/16/2024	Lead, total	0.00170	mg/L
MW-153	Compliance	E007	10/16/2024	Lithium, total	0.00570	mg/L
MW-153	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-153	Compliance	E007	10/16/2024	Molybdenum, total	0.0007 J	mg/L
MW-153	Compliance	E007	10/16/2024	Oxidation Reduction Potential	28.0	mV
MW-153	Compliance	E007	10/16/2024	pH (field)	6.6	SU
MW-153	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.59	pCi/L
MW-153	Compliance	E007	10/16/2024	Selenium, total	0.00230	mg/L
MW-153	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	729	micromhos/cm
MW-153	Compliance	E007	10/16/2024	Sulfate, total	68.4	mg/L
MW-153	Compliance	E007	10/16/2024	Temperature	16.9	degrees C
MW-153	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E007	10/16/2024	Total Dissolved Solids	425	mg/L
MW-153	Compliance	E007	10/16/2024	Turbidity, field	43.0	NTU
MW-252	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-252	Compliance	E007	10/16/2024	Arsenic, total	0.0005 J	mg/L
MW-252	Compliance	E007	10/16/2024	Barium, total	0.0237	mg/L
MW-252	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-252	Compliance	E007	10/16/2024	Boron, total	0.186 J+	mg/L
MW-252	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-252	Compliance	E007	10/16/2024	Calcium, total	212	mg/L
MW-252	Compliance	E007	10/16/2024	Chloride, total	36.7	mg/L
MW-252	Compliance	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-252	Compliance	E007	10/16/2024	Cobalt, total	0.00240	mg/L
MW-252	Compliance	E007	10/16/2024	Dissolved Oxygen	1.23	mg/L
MW-252	Compliance	E007	10/16/2024	Fluoride, total	0.2 U	mg/L
MW-252	Compliance	E007	10/16/2024	Lead, total	0.0008 J	mg/L
MW-252	Compliance	E007	10/16/2024	Lithium, total	0.0157	mg/L
MW-252	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-252	Compliance	E007	10/16/2024	Molybdenum, total	0.0006 U	mg/L
MW-252	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-177	mV
MW-252	Compliance	E007	10/16/2024	pH (field)	6.7	SU
MW-252	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.976	pCi/L
MW-252	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-252	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,270	micromhos/cm
MW-252	Compliance	E007	10/16/2024	Sulfate, total	480	mg/L
MW-252	Compliance	E007	10/16/2024	Temperature	14.9	degrees C
MW-252	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-252	Compliance	E007	10/16/2024	Total Dissolved Solids	1,280	mg/L
MW-252	Compliance	E007	10/16/2024	Turbidity, field	86.0	NTU
MW-253R	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-253R	Compliance	E007	10/16/2024	Arsenic, total	0.00230	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-253R	Compliance	E007	10/16/2024	Barium, total	0.0614	mg/L
MW-253R	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-253R	Compliance	E007	10/16/2024	Boron, total	0.254 J+	mg/L
MW-253R	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-253R	Compliance	E007	10/16/2024	Calcium, total	204	mg/L
MW-253R	Compliance	E007	10/16/2024	Chloride, total	22.0	mg/L
MW-253R	Compliance	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-253R	Compliance	E007	10/16/2024	Cobalt, total	0.0005 J	mg/L
MW-253R	Compliance	E007	10/16/2024	Dissolved Oxygen	1.55	mg/L
MW-253R	Compliance	E007	10/16/2024	Fluoride, total	0.2 U	mg/L
MW-253R	Compliance	E007	10/16/2024	Lead, total	0.00310	mg/L
MW-253R	Compliance	E007	10/16/2024	Lithium, total	0.0193	mg/L
MW-253R	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-253R	Compliance	E007	10/16/2024	Molybdenum, total	0.00530	mg/L
MW-253R	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-111	mV
MW-253R	Compliance	E007	10/16/2024	pH (field)	6.5	SU
MW-253R	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.674	pCi/L
MW-253R	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-253R	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,770	micromhos/cm
MW-253R	Compliance	E007	10/16/2024	Sulfate, total	500	mg/L
MW-253R	Compliance	E007	10/16/2024	Temperature	15.7	degrees C
MW-253R	Compliance	E007	10/16/2024	Thallium, total	0.0015 J	mg/L
MW-253R	Compliance	E007	10/16/2024	Total Dissolved Solids	1,270	mg/L
MW-253R	Compliance	E007	10/16/2024	Turbidity, field	22.0	NTU
MW-350R	Compliance	E007	10/15/2024	Antimony, total	0.0008 J	mg/L
MW-350R	Compliance	E007	10/15/2024	Arsenic, total	0.00170	mg/L
MW-350R	Compliance	E007	10/15/2024	Barium, total	0.126	mg/L
MW-350R	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-350R	Compliance	E007	10/15/2024	Boron, total	1.29	mg/L
MW-350R	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-350R	Compliance	E007	10/15/2024	Calcium, total	45.9	mg/L
MW-350R	Compliance	E007	10/15/2024	Chloride, total	17.8	mg/L
MW-350R	Compliance	E007	10/15/2024	Chromium, total	0.00160	mg/L
MW-350R	Compliance	E007	10/15/2024	Cobalt, total	0.0003 J	mg/L
MW-350R	Compliance	E007	10/15/2024	Dissolved Oxygen	0.390	mg/L
MW-350R	Compliance	E007	10/15/2024	Fluoride, total	0.940	mg/L
MW-350R	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-350R	Compliance	E007	10/15/2024	Lithium, total	0.0698	mg/L
MW-350R	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-350R	Compliance	E007	10/15/2024	Molybdenum, total	0.00600	mg/L
MW-350R	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-169	mV
MW-350R	Compliance	E007	10/15/2024	pH (field)	7.3	SU
MW-350R	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.491	pCi/L
MW-350R	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-350R	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	856	micromhos/cm
MW-350R	Compliance	E007	10/15/2024	Sulfate, total	17.5	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-350R	Compliance	E007	10/15/2024	Temperature	13.7	degrees C
MW-350R	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-350R	Compliance	E007	10/15/2024	Total Dissolved Solids	485	mg/L
MW-350R	Compliance	E007	10/15/2024	Turbidity, field	9.20	NTU
MW-352	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-352	Compliance	E007	10/16/2024	Arsenic, total	0.0004 U	mg/L
MW-352	Compliance	E007	10/16/2024	Barium, total	0.0929	mg/L
MW-352	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E007	10/16/2024	Boron, total	2.21	mg/L
MW-352	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-352	Compliance	E007	10/16/2024	Calcium, total	97.6	mg/L
MW-352	Compliance	E007	10/16/2024	Chloride, total	661	mg/L
MW-352	Compliance	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-352	Compliance	E007	10/16/2024	Cobalt, total	0.0001 U	mg/L
MW-352	Compliance	E007	10/16/2024	Dissolved Oxygen	0.260	mg/L
MW-352	Compliance	E007	10/16/2024	Fluoride, total	1.56	mg/L
MW-352	Compliance	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-352	Compliance	E007	10/16/2024	Lithium, total	0.0920	mg/L
MW-352	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-352	Compliance	E007	10/16/2024	Molybdenum, total	0.0006 U	mg/L
MW-352	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-229	mV
MW-352	Compliance	E007	10/16/2024	pH (field)	7.5	SU
MW-352	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.461	pCi/L
MW-352	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	2,620	micromhos/cm
MW-352	Compliance	E007	10/16/2024	Sulfate, total	5 J	mg/L
MW-352	Compliance	E007	10/16/2024	Temperature	14.9	degrees C
MW-352	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E007	10/16/2024	Total Dissolved Solids	1,270	mg/L
MW-352	Compliance	E007	10/16/2024	Turbidity, field	25.0	NTU
MW-366	Compliance	E007	10/15/2024	Antimony, total	0.0005 J	mg/L
MW-366	Compliance	E007	10/15/2024	Arsenic, total	0.0008 J	mg/L
MW-366	Compliance	E007	10/15/2024	Barium, total	0.0392	mg/L
MW-366	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-366	Compliance	E007	10/15/2024	Boron, total	3.31	mg/L
MW-366	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-366	Compliance	E007	10/15/2024	Calcium, total	264	mg/L
MW-366	Compliance	E007	10/15/2024	Chloride, total	56.6	mg/L
MW-366	Compliance	E007	10/15/2024	Chromium, total	0.00220	mg/L
MW-366	Compliance	E007	10/15/2024	Cobalt, total	0.0004 J	mg/L
MW-366	Compliance	E007	10/15/2024	Dissolved Oxygen	0.340	mg/L
MW-366	Compliance	E007	10/15/2024	Fluoride, total	0.29 J	mg/L
MW-366	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-366	Compliance	E007	10/15/2024	Lithium, total	0.0130	mg/L
MW-366	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-366	Compliance	E007	10/15/2024	Molybdenum, total	0.00360	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-366	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-11.0	mV
MW-366	Compliance	E007	10/15/2024	pH (field)	6.5	SU
MW-366	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.141	pCi/L
MW-366	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-366	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	2,170	micromhos/cm
MW-366	Compliance	E007	10/15/2024	Sulfate, total	838	mg/L
MW-366	Compliance	E007	10/15/2024	Temperature	14.8	degrees C
MW-366	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L
MW-366	Compliance	E007	10/15/2024	Total Dissolved Solids	1,610	mg/L
MW-366	Compliance	E007	10/15/2024	Turbidity, field	2.80	NTU
MW-375	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-375	Compliance	E007	10/16/2024	Arsenic, total	0.00310	mg/L
MW-375	Compliance	E007	10/16/2024	Barium, total	0.0288	mg/L
MW-375	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-375	Compliance	E007	10/16/2024	Boron, total	1.36	mg/L
MW-375	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-375	Compliance	E007	10/16/2024	Calcium, total	11.8	mg/L
MW-375	Compliance	E007	10/16/2024	Chloride, total	92.2	mg/L
MW-375	Compliance	E007	10/16/2024	Chromium, total	0.0012 J	mg/L
MW-375	Compliance	E007	10/16/2024	Cobalt, total	0.0003 J	mg/L
MW-375	Compliance	E007	10/16/2024	Dissolved Oxygen	1.06	mg/L
MW-375	Compliance	E007	10/16/2024	Fluoride, total	2.40	mg/L
MW-375	Compliance	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-375	Compliance	E007	10/16/2024	Lithium, total	0.0696	mg/L
MW-375	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-375	Compliance	E007	10/16/2024	Molybdenum, total	0.0244	mg/L
MW-375	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-174	mV
MW-375	Compliance	E007	10/16/2024	pH (field)	7.6	SU
MW-375	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.33	pCi/L
MW-375	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-375	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,730	micromhos/cm
MW-375	Compliance	E007	10/16/2024	Sulfate, total	78.7	mg/L
MW-375	Compliance	E007	10/16/2024	Temperature	13.9	degrees C
MW-375	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-375	Compliance	E007	10/16/2024	Total Dissolved Solids	930	mg/L
MW-375	Compliance	E007	10/16/2024	Turbidity, field	2.90	NTU
MW-377	Compliance	E007	10/16/2024	Antimony, total	0.0004 U	mg/L
MW-377	Compliance	E007	10/16/2024	Arsenic, total	0.0004 U	mg/L
MW-377	Compliance	E007	10/16/2024	Barium, total	0.0679	mg/L
MW-377	Compliance	E007	10/16/2024	Beryllium, total	0.0002 U	mg/L
MW-377	Compliance	E007	10/16/2024	Boron, total	1.91	mg/L
MW-377	Compliance	E007	10/16/2024	Cadmium, total	0.0002 U	mg/L
MW-377	Compliance	E007	10/16/2024	Calcium, total	59.0	mg/L
MW-377	Compliance	E007	10/16/2024	Chloride, total	95.6	mg/L
MW-377	Compliance	E007	10/16/2024	Chromium, total	0.0007 U	mg/L
MW-377	Compliance	E007	10/16/2024	Cobalt, total	0.0001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-377	Compliance	E007	10/16/2024	Dissolved Oxygen	0.830	mg/L
MW-377	Compliance	E007	10/16/2024	Fluoride, total	1.32	mg/L
MW-377	Compliance	E007	10/16/2024	Lead, total	0.0006 U	mg/L
MW-377	Compliance	E007	10/16/2024	Lithium, total	0.0654	mg/L
MW-377	Compliance	E007	10/16/2024	Mercury, total	0.00006 U	mg/L
MW-377	Compliance	E007	10/16/2024	Molybdenum, total	0.0007 J	mg/L
MW-377	Compliance	E007	10/16/2024	Oxidation Reduction Potential	-40.0	mV
MW-377	Compliance	E007	10/16/2024	pH (field)	6.9	SU
MW-377	Compliance	E007	10/16/2024	Radium 226 + Radium 228, total	0.686	pCi/L
MW-377	Compliance	E007	10/16/2024	Selenium, total	0.0006 U	mg/L
MW-377	Compliance	E007	10/16/2024	Specific Conductance @ 25C (field)	1,220	micromhos/cm
MW-377	Compliance	E007	10/16/2024	Sulfate, total	35.8	mg/L
MW-377	Compliance	E007	10/16/2024	Temperature	16.2	degrees C
MW-377	Compliance	E007	10/16/2024	Thallium, total	0.001 U	mg/L
MW-377	Compliance	E007	10/16/2024	Total Dissolved Solids	594	mg/L
MW-377	Compliance	E007	10/16/2024	Turbidity, field	11.0	NTU
MW-383	Compliance	E007	10/14/2024	Antimony, total	0.0005 J	mg/L
MW-383	Compliance	E007	10/14/2024	Arsenic, total	0.0006 J	mg/L
MW-383	Compliance	E007	10/14/2024	Barium, total	0.0456	mg/L
MW-383	Compliance	E007	10/14/2024	Beryllium, total	0.0002 U	mg/L
MW-383	Compliance	E007	10/14/2024	Boron, total	1.65	mg/L
MW-383	Compliance	E007	10/14/2024	Cadmium, total	0.0002 U	mg/L
MW-383	Compliance	E007	10/14/2024	Calcium, total	18.2	mg/L
MW-383	Compliance	E007	10/14/2024	Chloride, total	40.9	mg/L
MW-383	Compliance	E007	10/14/2024	Chromium, total	0.0007 U	mg/L
MW-383	Compliance	E007	10/14/2024	Cobalt, total	0.0001 U	mg/L
MW-383	Compliance	E007	10/14/2024	Dissolved Oxygen	0.570	mg/L
MW-383	Compliance	E007	10/14/2024	Fluoride, total	0.690	mg/L
MW-383	Compliance	E007	10/14/2024	Lead, total	0.0006 U	mg/L
MW-383	Compliance	E007	10/14/2024	Lithium, total	0.0434	mg/L
MW-383	Compliance	E007	10/14/2024	Mercury, total	0.00006 U	mg/L
MW-383	Compliance	E007	10/14/2024	Molybdenum, total	0.00950	mg/L
MW-383	Compliance	E007	10/14/2024	Oxidation Reduction Potential	-94.0	mV
MW-383	Compliance	E007	10/14/2024	pH (field)	7.4	SU
MW-383	Compliance	E007	10/14/2024	Radium 226 + Radium 228, total	0.381	pCi/L
MW-383	Compliance	E007	10/14/2024	Selenium, total	0.0006 U	mg/L
MW-383	Compliance	E007	10/14/2024	Specific Conductance @ 25C (field)	2,640	micromhos/cm
MW-383	Compliance	E007	10/14/2024	Sulfate, total	160	mg/L
MW-383	Compliance	E007	10/14/2024	Temperature	18.7	degrees C
MW-383	Compliance	E007	10/14/2024	Thallium, total	0.001 U	mg/L
MW-383	Compliance	E007	10/14/2024	Total Dissolved Solids	920	mg/L
MW-383	Compliance	E007	10/14/2024	Turbidity, field	3.70	NTU
MW-384	Compliance	E007	10/14/2024	Antimony, total	0.0004 U	mg/L
MW-384	Compliance	E007	10/14/2024	Arsenic, total	0.0004 U	mg/L
MW-384	Compliance	E007	10/14/2024	Barium, total	0.0550	mg/L
MW-384	Compliance	E007	10/14/2024	Beryllium, total	0.0002 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-384	Compliance	E007	10/14/2024	Boron, total	1.85	mg/L
MW-384	Compliance	E007	10/14/2024	Cadmium, total	0.0002 U	mg/L
MW-384	Compliance	E007	10/14/2024	Calcium, total	17.0	mg/L
MW-384	Compliance	E007	10/14/2024	Chloride, total	584	mg/L
MW-384	Compliance	E007	10/14/2024	Chromium, total	0.00150 J	mg/L
MW-384	Compliance	E007	10/14/2024	Cobalt, total	0.0003 J	mg/L
MW-384	Compliance	E007	10/14/2024	Dissolved Oxygen	0.380	mg/L
MW-384	Compliance	E007	10/14/2024	Fluoride, total	4.05	mg/L
MW-384	Compliance	E007	10/14/2024	Lead, total	0.0006 U	mg/L
MW-384	Compliance	E007	10/14/2024	Lithium, total	0.0538	mg/L
MW-384	Compliance	E007	10/14/2024	Mercury, total	0.00006 U	mg/L
MW-384	Compliance	E007	10/14/2024	Molybdenum, total	0.0135	mg/L
MW-384	Compliance	E007	10/14/2024	Oxidation Reduction Potential	-88.0	mV
MW-384	Compliance	E007	10/14/2024	pH (field)	8.0	SU
MW-384	Compliance	E007	10/14/2024	Radium 226 + Radium 228, total	0.0302	pCi/L
MW-384	Compliance	E007	10/14/2024	Selenium, total	0.0006 U	mg/L
MW-384	Compliance	E007	10/14/2024	Specific Conductance @ 25C (field)	4,960	micromhos/cm
MW-384	Compliance	E007	10/14/2024	Sulfate, total	30.4	mg/L
MW-384	Compliance	E007	10/14/2024	Temperature	17.5	degrees C
MW-384	Compliance	E007	10/14/2024	Thallium, total	0.001 U	mg/L
MW-384	Compliance	E007	10/14/2024	Total Dissolved Solids	1,570	mg/L
MW-384	Compliance	E007	10/14/2024	Turbidity, field	5.20	NTU
MW-390	Compliance	E007	10/15/2024	Antimony, total	0.0006 J	mg/L
MW-390	Compliance	E007	10/15/2024	Arsenic, total	0.0008 J	mg/L
MW-390	Compliance	E007	10/15/2024	Barium, total	0.0743	mg/L
MW-390	Compliance	E007	10/15/2024	Beryllium, total	0.0002 U	mg/L
MW-390	Compliance	E007	10/15/2024	Boron, total	0.385	mg/L
MW-390	Compliance	E007	10/15/2024	Cadmium, total	0.0002 U	mg/L
MW-390	Compliance	E007	10/15/2024	Calcium, total	96.2	mg/L
MW-390	Compliance	E007	10/15/2024	Chloride, total	59.0	mg/L
MW-390	Compliance	E007	10/15/2024	Chromium, total	0.0007 U	mg/L
MW-390	Compliance	E007	10/15/2024	Cobalt, total	0.0009 J	mg/L
MW-390	Compliance	E007	10/15/2024	Dissolved Oxygen	1.28	mg/L
MW-390	Compliance	E007	10/15/2024	Fluoride, total	0.500	mg/L
MW-390	Compliance	E007	10/15/2024	Lead, total	0.0006 U	mg/L
MW-390	Compliance	E007	10/15/2024	Lithium, total	0.0188	mg/L
MW-390	Compliance	E007	10/15/2024	Mercury, total	0.00006 U	mg/L
MW-390	Compliance	E007	10/15/2024	Molybdenum, total	0.00310	mg/L
MW-390	Compliance	E007	10/15/2024	Oxidation Reduction Potential	-100	mV
MW-390	Compliance	E007	10/15/2024	pH (field)	7.0	SU
MW-390	Compliance	E007	10/15/2024	Radium 226 + Radium 228, total	0.394	pCi/L
MW-390	Compliance	E007	10/15/2024	Selenium, total	0.0006 U	mg/L
MW-390	Compliance	E007	10/15/2024	Specific Conductance @ 25C (field)	3,430	micromhos/cm
MW-390	Compliance	E007	10/15/2024	Sulfate, total	120	mg/L
MW-390	Compliance	E007	10/15/2024	Temperature	16.0	degrees C
MW-390	Compliance	E007	10/15/2024	Thallium, total	0.001 U	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-390	Compliance	E007	10/15/2024	Total Dissolved Solids	658	mg/L
MW-390	Compliance	E007	10/15/2024	Turbidity, field	27.0	NTU
MW-391R	Compliance	E007	--	Antimony, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Arsenic, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Barium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Beryllium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Boron, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Cadmium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Calcium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Chloride, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Chromium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Cobalt, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Dissolved Oxygen	NS[7]	mg/L
MW-391R	Compliance	E007	--	Fluoride, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Lead, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Lithium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Mercury, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Molybdenum, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Oxidation Reduction Potential	NS[7]	mV
MW-391R	Compliance	E007	--	pH (field)	NS[7]	SU
MW-391R	Compliance	E007	--	Radium 226 + Radium 228, total	NS[7]	pCi/L
MW-391R	Compliance	E007	--	Selenium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Specific Conductance @ 25C (field)	NS[7]	micromhos/cm
MW-391R	Compliance	E007	--	Sulfate, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Temperature	NS[7]	degrees C
MW-391R	Compliance	E007	--	Thallium, total	NS[7]	mg/L
MW-391R	Compliance	E007	--	Total Dissolved Solids	NS[7]	mg/L
MW-391R	Compliance	E007	--	Turbidity, field	NS[7]	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
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-150	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-150	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.0141	2.0	Standard	No Exceedance
MW-150	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-150	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	3.22	2.23	Background	Exceedance
MW-150	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-150	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	48.6	1,370	Background	No Exceedance
MW-150	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-150	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.647	4.0	Standard	No Exceedance
MW-150	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-150	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.038	0.123	Background	No Exceedance
MW-150	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-150	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	5	40	CI around median (Last Sample, n<7)	0.0018	0.1	Standard	No Exceedance
MW-150	PMP	E004	pH (field)	SU	03/22/16 - 02/07/24	33	0	CB around T-S line	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-150	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	5	0	CI around mean	-0.258	5	Standard	No Exceedance
MW-150	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.05	Standard	No Exceedance
MW-150	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	797	400	Standard	Exceedance
MW-150	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-150	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	33	0	CB around linear reg	1,650	3,260	Background	No Exceedance
MW-151	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-151	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	6	50	CI around geomean	0.000973	0.010	Standard	No Exceedance
MW-151	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around geomean	0.045	2.0	Standard	No Exceedance
MW-151	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	6	83	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
MW-151	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.311	2.23	Background	No Exceedance
MW-151	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-151	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	35.6	1,370	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-151	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	6	17	CI around mean	-0.00179	0.1	Standard	No Exceedance
MW-151	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	6	33	CI around mean	-0.00251	0.006	Standard	No Exceedance
MW-151	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.494	4.0	Standard	No Exceedance
MW-151	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	6	17	CI around mean	-0.0036	0.0075	Standard	No Exceedance
MW-151	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.0229	0.123	Background	No Exceedance
MW-151	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-151	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-151	PMP	E004	pH (field)	SU	03/16/17 - 02/07/24	30	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-151	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	6	0	CI around mean	-0.245	5	Standard	No Exceedance
MW-151	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-151	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	65	400	Standard	No Exceedance
MW-151	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-151	PMP	E004	Total Dissolved Solids	mg/L	03/16/17 - 02/07/24	30	0	CI around mean	544	3,260	Background	No Exceedance
MW-152	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-152	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	0.000357	0.010	Standard	No Exceedance
MW-152	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.00422	2.0	Standard	No Exceedance
MW-152	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-152	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	-5.36	2.23	Background	No Exceedance
MW-152	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-152	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	-3.81	1,370	Background	No Exceedance
MW-152	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	5.96e-05	0.1	Standard	No Exceedance
MW-152	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	0.000344	0.006	Standard	No Exceedance
MW-152	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.229	4.0	Standard	No Exceedance
MW-152	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	-0.000133	0.0075	Standard	No Exceedance
MW-152	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	5	20	CI around mean	0.00489	0.123	Background	No Exceedance
MW-152	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-152	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-152	PMP	E004	pH (field)	SU	03/22/16 - 02/07/24	33	0	CI around median	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-152	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	5	0	CI around mean	-0.146	5	Standard	No Exceedance
MW-152	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-152	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	105	400	Standard	No Exceedance
MW-152	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-152	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	33	0	CB around linear reg	572	3,260	Background	No Exceedance
MW-153	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-153	PMP	E004	Barium, total	mg/L	03/15/23 - 02/08/24	6	0	CI around median (Last Sample, n<7)	0.0376	2.0	Standard	No Exceedance
MW-153	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
MW-153	PMP	E004	Boron, total	mg/L	03/15/23 - 02/08/24	6	71	CI around median (Last Sample, n<7)	0.025	2.23	Background	No Exceedance
MW-153	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-153	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	14.8	1,370	Background	No Exceedance
MW-153	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	0.353	4.0	Standard	No Exceedance
MW-153	PMP	E004	Lead, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
MW-153	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/08/24	6	17	CI around mean	0.00313	0.123	Background	No Exceedance
MW-153	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-153	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E004	pH (field)	SU	03/22/16 - 02/08/24	34	0	CI around median	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-153	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/08/24	6	0	CI around geomean	0.355	5	Standard	No Exceedance
MW-153	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	0.00215	0.05	Standard	No Exceedance
MW-153	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	59	400	Standard	No Exceedance
MW-153	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-153	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/08/24	34	0	CI around median	368	3,260	Background	No Exceedance
MW-252	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	5	20	CI around mean	0.000514	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-252	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.010	Standard	No Exceedance
MW-252	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.0264	2.0	Standard	No Exceedance
MW-252	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-252	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.115	2.23	Background	No Exceedance
MW-252	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-252	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around median (Last Sample, n<7)	37	1,370	Background	No Exceedance
MW-252	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	0.000694	0.1	Standard	No Exceedance
MW-252	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	5	20	CI around mean	0.000772	0.006	Standard	No Exceedance
MW-252	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.186	4.0	Standard	No Exceedance
MW-252	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
MW-252	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.0104	0.123	Background	No Exceedance
MW-252	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-252	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-252	PMP	E004	pH (field)	SU	03/22/16 - 02/07/24	33	0	CI around median	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-252	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	5	0	CI around mean	-0.702	5	Standard	No Exceedance
MW-252	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-252	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	421	400	Standard	Exceedance
MW-252	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-252	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	33	0	CB around linear reg	1,100	3,260	Background	No Exceedance
MW-253	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-253	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-253	PMP	E004	Barium, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	-0.0226	2.0	Standard	No Exceedance
MW-253	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-253	PMP	E004	Boron, total	mg/L	03/15/23 - 02/08/24	4	20	CI around mean	0.0111	2.23	Background	No Exceedance
MW-253	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-253	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	20.2	1,370	Background	No Exceedance
MW-253	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/08/24	4	50	CI around mean	0.00037	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-253	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-253	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	0.114	4.0	Standard	No Exceedance
MW-253	PMP	E004	Lead, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-253	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	0.0152	0.123	Background	No Exceedance
MW-253	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-253	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	0.00574	0.1	Standard	No Exceedance
MW-253	PMP	E004	pH (field)	SU	03/22/16 - 02/08/24	32	0	CI around mean	11.2/11.7	6.5/9.0	Standard/Standard	Exceedance
MW-253	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/08/24	4	0	CI around mean	0.466	5	Standard	No Exceedance
MW-253	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-253	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	120	400	Standard	No Exceedance
MW-253	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-253	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/08/24	32	0	CI around mean	441	3,260	Background	No Exceedance
MW-350	UA	E004	Antimony, total	mg/L	03/26/20 - 02/07/24	11	9	CI around mean	0.00105	0.006	Standard	No Exceedance
MW-350	UA	E004	Arsenic, total	mg/L	03/26/20 - 02/07/24	11	91	CI around median	0.001	0.010	Standard	No Exceedance
MW-350	UA	E004	Barium, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	0.19	2.0	Standard	No Exceedance
MW-350	UA	E004	Beryllium, total	mg/L	03/26/20 - 02/07/24	9	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-350	UA	E004	Boron, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	0.533	2.23	Background	No Exceedance
MW-350	UA	E004	Cadmium, total	mg/L	03/26/20 - 02/07/24	9	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-350	UA	E004	Chloride, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	42.9	1,370	Background	No Exceedance
MW-350	UA	E004	Chromium, total	mg/L	03/26/20 - 02/07/24	11	54	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-350	UA	E004	Cobalt, total	mg/L	03/26/20 - 02/07/24	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-350	UA	E004	Fluoride, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	0.136	4.0	Standard	No Exceedance
MW-350	UA	E004	Lead, total	mg/L	03/26/20 - 02/07/24	11	64	CI around median	0.001	0.0075	Standard	No Exceedance
MW-350	UA	E004	Lithium, total	mg/L	06/25/19 - 02/07/24	13	0	CI around mean	0.0733	0.123	Background	No Exceedance
MW-350	UA	E004	Mercury, total	mg/L	03/26/20 - 02/07/24	9	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-350	UA	E004	Molybdenum, total	mg/L	03/26/20 - 02/07/24	11	9	CI around mean	0.0025	0.1	Standard	No Exceedance
MW-350	UA	E004	pH (field)	SU	03/22/16 - 02/07/24	36	0	CB around T-S line	9.8/10.9	6.5/9.0	Standard/Standard	Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-350	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/26/20 - 02/07/24	11	0	CI around mean	0.956	5	Standard	No Exceedance
MW-350	UA	E004	Selenium, total	mg/L	03/26/20 - 02/07/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-350	UA	E004	Sulfate, total	mg/L	03/26/20 - 02/07/24	11	8	CI around mean	72.6	400	Standard	No Exceedance
MW-350	UA	E004	Thallium, total	mg/L	03/26/20 - 02/07/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-350	UA	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	34	0	CB around linear reg	156	3,260	Background	No Exceedance
MW-352	UA	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	6	83	CI around median (Last Sample, n<7)	0.002	0.006	Standard	No Exceedance
MW-352	UA	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-352	UA	E004	Barium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around median (Last Sample, n<7)	0.0839	2.0	Standard	No Exceedance
MW-352	UA	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-352	UA	E004	Boron, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	1.78	2.23	Background	No Exceedance
MW-352	UA	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-352	UA	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	540	1,370	Background	No Exceedance
MW-352	UA	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-352	UA	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-352	UA	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	1.28	4.0	Standard	No Exceedance
MW-352	UA	E004	Lead, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-352	UA	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.0812	0.123	Background	No Exceedance
MW-352	UA	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-352	UA	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-352	UA	E004	pH (field)	SU	03/22/16 - 02/07/24	34	0	CB around T-S line	7.2/7.4	6.5/9.0	Standard/Standard	No Exceedance
MW-352	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	6	0	CI around mean	0.684	5	Standard	No Exceedance
MW-352	UA	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-352	UA	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	10	400	Standard	No Exceedance
MW-352	UA	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-352	UA	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	34	0	CI around median	1,130	3,260	Background	No Exceedance
MW-366	UA	E004	Antimony, total	mg/L	01/20/16 - 02/07/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-366	UA	E004	Arsenic, total	mg/L	01/20/16 - 02/07/24	23	96	CI around median	0.001	0.010	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-366	UA	E004	Barium, total	mg/L	01/20/16 - 02/07/24	23	0	CB around linear reg	0.0208	2.0	Standard	No Exceedance
MW-366	UA	E004	Beryllium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-366	UA	E004	Boron, total	mg/L	01/20/16 - 02/07/24	24	0	CI around geomean	1.53	2.23	Background	No Exceedance
MW-366	UA	E004	Cadmium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-366	UA	E004	Chloride, total	mg/L	01/20/16 - 02/07/24	24	0	CB around linear reg	48.2	1,370	Background	No Exceedance
MW-366	UA	E004	Chromium, total	mg/L	01/20/16 - 02/07/24	23	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-366	UA	E004	Cobalt, total	mg/L	01/20/16 - 02/07/24	21	81	CI around median	0.001	0.006	Standard	No Exceedance
MW-366	UA	E004	Fluoride, total	mg/L	01/20/16 - 02/07/24	24	0	CB around linear reg	0.125	4.0	Standard	No Exceedance
MW-366	UA	E004	Lead, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-366	UA	E004	Lithium, total	mg/L	01/20/16 - 02/07/24	23	4	CB around linear reg	0.00203	0.123	Background	No Exceedance
MW-366	UA	E004	Mercury, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-366	UA	E004	Molybdenum, total	mg/L	01/20/16 - 02/07/24	23	4	CI around mean	0.00283	0.1	Standard	No Exceedance
MW-366	UA	E004	pH (field)	SU	01/20/16 - 02/07/24	24	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-366	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 02/07/24	23	0	CI around geomean	0.437	5	Standard	No Exceedance
MW-366	UA	E004	Selenium, total	mg/L	01/20/16 - 02/07/24	23	96	CI around median	0.001	0.05	Standard	No Exceedance
MW-366	UA	E004	Sulfate, total	mg/L	01/20/16 - 02/07/24	24	0	CB around linear reg	579	400	Standard	Exceedance
MW-366	UA	E004	Thallium, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-366	UA	E004	Total Dissolved Solids	mg/L	01/20/16 - 02/07/24	23	0	CB around linear reg	1,270	3,260	Background	No Exceedance
MW-375	UA	E004	Antimony, total	mg/L	01/20/16 - 02/07/24	23	30	CB around T-S line	9.93e-05	0.006	Standard	No Exceedance
MW-375	UA	E004	Arsenic, total	mg/L	01/20/16 - 02/07/24	23	4	CI around median	0.0014	0.010	Standard	No Exceedance
MW-375	UA	E004	Barium, total	mg/L	01/20/16 - 02/07/24	23	0	CI around mean	0.0243	2.0	Standard	No Exceedance
MW-375	UA	E004	Beryllium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-375	UA	E004	Boron, total	mg/L	01/20/16 - 02/07/24	24	0	CB around T-S line	1.4	2.23	Background	No Exceedance
MW-375	UA	E004	Cadmium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-375	UA	E004	Chloride, total	mg/L	01/20/16 - 02/07/24	24	0	CI around mean	92.3	1,370	Background	No Exceedance
MW-375	UA	E004	Chromium, total	mg/L	01/20/16 - 02/07/24	23	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-375	UA	E004	Cobalt, total	mg/L	01/20/16 - 02/07/24	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-375	UA	E004	Fluoride, total	mg/L	01/20/16 - 02/07/24	24	0	CI around mean	2.23	4.0	Standard	No Exceedance
MW-375	UA	E004	Lead, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-375	UA	E004	Lithium, total	mg/L	01/20/16 - 02/07/24	23	0	CB around linear reg	0.0694	0.123	Background	No Exceedance
MW-375	UA	E004	Mercury, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-375	UA	E004	Molybdenum, total	mg/L	01/20/16 - 02/07/24	23	0	CI around mean	0.0249	0.1	Standard	No Exceedance
MW-375	UA	E004	pH (field)	SU	01/20/16 - 02/07/24	24	0	CB around T-S line	7.6/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-375	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 02/07/24	23	0	CI around median	0.248	5	Standard	No Exceedance
MW-375	UA	E004	Selenium, total	mg/L	01/20/16 - 02/07/24	23	91	CI around median	0.001	0.05	Standard	No Exceedance
MW-375	UA	E004	Sulfate, total	mg/L	01/20/16 - 02/07/24	24	0	CI around mean	116	400	Standard	No Exceedance
MW-375	UA	E004	Thallium, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-375	UA	E004	Total Dissolved Solids	mg/L	01/20/16 - 02/07/24	24	0	CI around median	910	3,260	Background	No Exceedance
MW-377	UA	E004	Antimony, total	mg/L	01/19/16 - 02/07/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-377	UA	E004	Arsenic, total	mg/L	01/19/16 - 02/07/24	23	78	CI around median	0.001	0.010	Standard	No Exceedance
MW-377	UA	E004	Barium, total	mg/L	01/19/16 - 02/07/24	23	0	CI around mean	0.0601	2.0	Standard	No Exceedance
MW-377	UA	E004	Beryllium, total	mg/L	01/19/16 - 02/07/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-377	UA	E004	Boron, total	mg/L	01/19/16 - 02/07/24	24	0	CI around mean	1.67	2.23	Background	No Exceedance
MW-377	UA	E004	Cadmium, total	mg/L	01/19/16 - 02/07/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-377	UA	E004	Chloride, total	mg/L	01/19/16 - 02/07/24	24	0	CB around linear reg	95	1,370	Background	No Exceedance
MW-377	UA	E004	Chromium, total	mg/L	01/19/16 - 02/07/24	23	96	CB around T-S line	0.00143	0.1	Standard	No Exceedance
MW-377	UA	E004	Cobalt, total	mg/L	01/19/16 - 02/07/24	21	95	CI around median	0.001	0.006	Standard	No Exceedance
MW-377	UA	E004	Fluoride, total	mg/L	01/19/16 - 02/07/24	24	0	CB around linear reg	1.15	4.0	Standard	No Exceedance
MW-377	UA	E004	Lead, total	mg/L	01/19/16 - 02/07/24	20	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-377	UA	E004	Lithium, total	mg/L	01/19/16 - 02/07/24	23	0	CB around linear reg	0.0576	0.123	Background	No Exceedance
MW-377	UA	E004	Mercury, total	mg/L	01/19/16 - 02/07/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-377	UA	E004	Molybdenum, total	mg/L	01/19/16 - 02/07/24	23	65	CB around T-S line	0.000678	0.1	Standard	No Exceedance
MW-377	UA	E004	pH (field)	SU	01/19/16 - 02/07/24	24	0	CI around median	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-377	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 02/07/24	23	0	CI around mean	0.377	5	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-377	UA	E004	Selenium, total	mg/L	01/19/16 - 02/07/24	23	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-377	UA	E004	Sulfate, total	mg/L	01/19/16 - 02/07/24	24	0	CI around median	39	400	Standard	No Exceedance
MW-377	UA	E004	Thallium, total	mg/L	01/19/16 - 02/07/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-377	UA	E004	Total Dissolved Solids	mg/L	01/19/16 - 02/07/24	24	0	CI around mean	600	3,260	Background	No Exceedance
MW-383	UA	E004	Antimony, total	mg/L	01/21/16 - 02/06/24	23	87	CB around T-S line	0.000808	0.006	Standard	No Exceedance
MW-383	UA	E004	Arsenic, total	mg/L	01/21/16 - 02/06/24	23	78	CI around median	0.001	0.010	Standard	No Exceedance
MW-383	UA	E004	Barium, total	mg/L	01/21/16 - 02/06/24	23	0	CB around T-S line	0.0453	2.0	Standard	No Exceedance
MW-383	UA	E004	Beryllium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-383	UA	E004	Boron, total	mg/L	01/21/16 - 02/06/24	24	0	CI around median	1.34	2.23	Background	No Exceedance
MW-383	UA	E004	Cadmium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-383	UA	E004	Chloride, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	42.7	1,370	Background	No Exceedance
MW-383	UA	E004	Chromium, total	mg/L	01/21/16 - 02/06/24	23	91	CB around T-S line	0.00146	0.1	Standard	No Exceedance
MW-383	UA	E004	Cobalt, total	mg/L	01/21/16 - 02/06/24	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-383	UA	E004	Fluoride, total	mg/L	01/21/16 - 02/06/24	24	0	CI around mean	0.732	4.0	Standard	No Exceedance
MW-383	UA	E004	Lead, total	mg/L	01/21/16 - 02/06/24	20	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-383	UA	E004	Lithium, total	mg/L	01/21/16 - 02/06/24	23	0	CI around mean	0.0336	0.123	Background	No Exceedance
MW-383	UA	E004	Mercury, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-383	UA	E004	Molybdenum, total	mg/L	01/21/16 - 02/06/24	23	0	CI around mean	0.0106	0.1	Standard	No Exceedance
MW-383	UA	E004	pH (field)	SU	01/21/16 - 02/06/24	24	0	CB around linear reg	7.4/7.6	6.5/9.0	Standard/Standard	No Exceedance
MW-383	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 02/06/24	23	0	CI around geomean	0.256	5	Standard	No Exceedance
MW-383	UA	E004	Selenium, total	mg/L	01/21/16 - 02/06/24	23	96	CI around median	0.001	0.05	Standard	No Exceedance
MW-383	UA	E004	Sulfate, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	148	400	Standard	No Exceedance
MW-383	UA	E004	Thallium, total	mg/L	01/21/16 - 02/06/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-383	UA	E004	Total Dissolved Solids	mg/L	01/21/16 - 02/06/24	24	0	CI around mean	877	3,260	Background	No Exceedance
MW-384	UA	E004	Antimony, total	mg/L	01/21/16 - 02/06/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-384	UA	E004	Arsenic, total	mg/L	01/21/16 - 02/06/24	23	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-384	UA	E004	Barium, total	mg/L	01/21/16 - 02/06/24	23	0	CB around T-S line	0.0307	2.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-384	UA	E004	Beryllium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-384	UA	E004	Boron, total	mg/L	01/21/16 - 02/06/24	24	0	CI around median	1.43	2.23	Background	No Exceedance
MW-384	UA	E004	Cadmium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-384	UA	E004	Chloride, total	mg/L	01/21/16 - 02/06/24	24	0	CB around T-S line	429	1,370	Background	No Exceedance
MW-384	UA	E004	Chromium, total	mg/L	01/21/16 - 02/06/24	23	91	CB around T-S line	0.00146	0.1	Standard	No Exceedance
MW-384	UA	E004	Cobalt, total	mg/L	01/21/16 - 02/06/24	21	95	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-384	UA	E004	Fluoride, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	3.97	4.0	Standard	No Exceedance
MW-384	UA	E004	Lead, total	mg/L	01/21/16 - 02/06/24	20	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-384	UA	E004	Lithium, total	mg/L	01/21/16 - 02/06/24	23	0	CB around linear reg	0.0425	0.123	Background	No Exceedance
MW-384	UA	E004	Mercury, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-384	UA	E004	Molybdenum, total	mg/L	01/21/16 - 02/06/24	23	0	CI around mean	0.018	0.1	Standard	No Exceedance
MW-384	UA	E004	pH (field)	SU	01/21/16 - 02/06/24	24	0	CB around T-S line	7.9/8.1	6.5/9.0	Standard/Standard	No Exceedance
MW-384	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 02/06/24	23	0	CI around geomean	0.363	5	Standard	No Exceedance
MW-384	UA	E004	Selenium, total	mg/L	01/21/16 - 02/06/24	23	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-384	UA	E004	Sulfate, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	-3.4	400	Standard	No Exceedance
MW-384	UA	E004	Thallium, total	mg/L	01/21/16 - 02/06/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-384	UA	E004	Total Dissolved Solids	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	1,480	3,260	Background	No Exceedance
MW-390	UA	E004	Antimony, total	mg/L	03/22/16 - 02/06/24	23	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E004	Arsenic, total	mg/L	03/22/16 - 02/06/24	23	9	CI around geomean	0.00128	0.010	Standard	No Exceedance
MW-390	UA	E004	Barium, total	mg/L	03/22/16 - 02/06/24	23	0	CI around mean	0.0448	2.0	Standard	No Exceedance
MW-390	UA	E004	Beryllium, total	mg/L	03/22/16 - 02/06/24	18	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-390	UA	E004	Boron, total	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	0.374	2.23	Background	No Exceedance
MW-390	UA	E004	Cadmium, total	mg/L	03/22/16 - 02/06/24	18	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-390	UA	E004	Chloride, total	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	61.3	1,370	Background	No Exceedance
MW-390	UA	E004	Chromium, total	mg/L	03/22/16 - 02/06/24	23	96	CB around T-S line	0.00145	0.1	Standard	No Exceedance
MW-390	UA	E004	Cobalt, total	mg/L	03/22/16 - 02/06/24	21	67	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E004	Fluoride, total	mg/L	03/22/16 - 02/06/24	24	0	CI around median	0.64	4.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-390	UA	E004	Lead, total	mg/L	03/22/16 - 02/06/24	20	90	CI around median	0.001	0.0075	Standard	No Exceedance
MW-390	UA	E004	Lithium, total	mg/L	03/22/16 - 02/06/24	23	4	CI around mean	0.021	0.123	Background	No Exceedance
MW-390	UA	E004	Mercury, total	mg/L	03/22/16 - 02/06/24	18	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-390	UA	E004	Molybdenum, total	mg/L	03/22/16 - 02/06/24	23	4	CI around geomean	0.0031	0.1	Standard	No Exceedance
MW-390	UA	E004	pH (field)	SU	03/22/16 - 02/06/24	24	0	CB around linear reg	6.8/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-390	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 02/06/24	23	0	CI around geomean	0.57	5	Standard	No Exceedance
MW-390	UA	E004	Selenium, total	mg/L	03/22/16 - 02/06/24	23	91	CI around median	0.001	0.05	Standard	No Exceedance
MW-390	UA	E004	Sulfate, total	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	136	400	Standard	No Exceedance
MW-390	UA	E004	Thallium, total	mg/L	03/22/16 - 02/06/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-390	UA	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	680	3,260	Background	No Exceedance
MW-391	UA	E004	Antimony, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-391	UA	E004	Arsenic, total	mg/L	--	--	--	--	--	0.010	Standard	--
MW-391	UA	E004	Barium, total	mg/L	--	--	--	--	--	2.0	Standard	--
MW-391	UA	E004	Beryllium, total	mg/L	--	--	--	--	--	0.004	Standard	--
MW-391	UA	E004	Boron, total	mg/L	--	--	--	--	--	2.23	Background	--
MW-391	UA	E004	Cadmium, total	mg/L	--	--	--	--	--	0.005	Standard	--
MW-391	UA	E004	Chloride, total	mg/L	--	--	--	--	--	1,370	Background	--
MW-391	UA	E004	Chromium, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-391	UA	E004	Cobalt, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-391	UA	E004	Fluoride, total	mg/L	--	--	--	--	--	4.0	Standard	--
MW-391	UA	E004	Lead, total	mg/L	--	--	--	--	--	0.0075	Standard	--
MW-391	UA	E004	Lithium, total	mg/L	--	--	--	--	--	0.123	Background	--
MW-391	UA	E004	Mercury, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-391	UA	E004	Molybdenum, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-391	UA	E004	pH (field)	SU	12/22/16 - 02/09/24	19	0	CI around mean	7.5/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-391	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 02/09/24	18	0	CI around geomean	0.676	5	Standard	No Exceedance
MW-391	UA	E004	Selenium, total	mg/L	--	--	--	--	--	0.05	Standard	--

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-391	UA	E004	Sulfate, total	mg/L	--	--	--	--	--	400	Standard	--
MW-391	UA	E004	Thallium, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-391	UA	E004	Total Dissolved Solids	mg/L	--	--	--	--	--	3,260	Background	--

Notes:
– = no data available
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

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
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-150	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-150	PMP	E005	Barium, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	0.0146	2.0	Standard	No Exceedance
MW-150	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-150	PMP	E005	Boron, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	3.28	2.23	Background	Exceedance
MW-150	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-150	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	49.2	1,370	Background	No Exceedance
MW-150	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-150	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	0.653	4.0	Standard	No Exceedance
MW-150	PMP	E005	Lead, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-150	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	0.0425	0.123	Background	No Exceedance
MW-150	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-150	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/17/24	6	50	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
MW-150	PMP	E005	pH (field)	SU	03/22/16 - 04/17/24	34	0	CB around T-S line	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-150	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/17/24	6	0	CI around mean	-0.175	5	Standard	No Exceedance
MW-150	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/17/24	6	67	CI around median (Last Sample, n<7)	0.001	0.05	Standard	No Exceedance
MW-150	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	823	400	Standard	Exceedance
MW-150	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-150	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/17/24	34	0	CB around linear reg	1,650	3,260	Background	No Exceedance
MW-151	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-151	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	7	57	CI around median	0.001	0.010	Standard	No Exceedance
MW-151	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around geomean	0.0495	2.0	Standard	No Exceedance
MW-151	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.0005	0.004	Standard	No Exceedance
MW-151	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.425	2.23	Background	No Exceedance
MW-151	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-151	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	36.7	1,370	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-151	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	7	29	CI around mean	-0.00151	0.1	Standard	No Exceedance
MW-151	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	7	43	CI around geomean	0.000821	0.006	Standard	No Exceedance
MW-151	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.489	4.0	Standard	No Exceedance
MW-151	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	7	29	CI around geomean	0.000881	0.0075	Standard	No Exceedance
MW-151	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.024	0.123	Background	No Exceedance
MW-151	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-151	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-151	PMP	E005	pH (field)	SU	03/16/17 - 04/18/24	31	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-151	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	7	0	CI around mean	-0.147	5	Standard	No Exceedance
MW-151	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-151	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	71.7	400	Standard	No Exceedance
MW-151	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-151	PMP	E005	Total Dissolved Solids	mg/L	03/16/17 - 04/18/24	31	0	CB around linear reg	553	3,260	Background	No Exceedance
MW-152	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-152	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	6	33	CI around geomean	0.000806	0.010	Standard	No Exceedance
MW-152	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.0107	2.0	Standard	No Exceedance
MW-152	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-152	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	-3.71	2.23	Background	No Exceedance
MW-152	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-152	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.247	1,370	Background	No Exceedance
MW-152	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	6	33	CI around mean	0.00118	0.1	Standard	No Exceedance
MW-152	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	6	33	CI around mean	0.000688	0.006	Standard	No Exceedance
MW-152	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.227	4.0	Standard	No Exceedance
MW-152	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	6	33	CI around mean	0.000269	0.0075	Standard	No Exceedance
MW-152	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	6	17	CI around mean	0.00701	0.123	Background	No Exceedance
MW-152	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-152	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-152	PMP	E005	pH (field)	SU	03/22/16 - 04/18/24	34	0	CI around median	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-152	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	6	0	CI around mean	0.103	5	Standard	No Exceedance
MW-152	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-152	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	249	400	Standard	No Exceedance
MW-152	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-152	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	34	0	CB around linear reg	561	3,260	Background	No Exceedance
MW-153	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-153	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around median	0.0335	2.0	Standard	No Exceedance
MW-153	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.0005	0.004	Standard	No Exceedance
MW-153	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	7	62	CI around median	0.02	2.23	Background	No Exceedance
MW-153	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-153	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	15.2	1,370	Background	No Exceedance
MW-153	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.359	4.0	Standard	No Exceedance
MW-153	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.001	0.0075	Standard	No Exceedance
MW-153	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	7	14	CI around mean	0.00284	0.123	Background	No Exceedance
MW-153	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-153	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E005	pH (field)	SU	03/22/16 - 04/18/24	35	0	CI around median	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-153	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	7	0	CI around geomean	0.356	5	Standard	No Exceedance
MW-153	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.00218	0.05	Standard	No Exceedance
MW-153	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	59.9	400	Standard	No Exceedance
MW-153	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-153	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	35	0	CI around median	368	3,260	Background	No Exceedance
MW-252	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	6	17	CI around mean	0.000894	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-252	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	6	67	CI around median (Last Sample, n<7)	0.001	0.010	Standard	No Exceedance
MW-252	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.028	2.0	Standard	No Exceedance
MW-252	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-252	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.132	2.23	Background	No Exceedance
MW-252	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-252	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	36.1	1,370	Background	No Exceedance
MW-252	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	6	50	CI around mean	0.000836	0.1	Standard	No Exceedance
MW-252	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	6	17	CI around mean	0.00099	0.006	Standard	No Exceedance
MW-252	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.195	4.0	Standard	No Exceedance
MW-252	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	6	67	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
MW-252	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.0115	0.123	Background	No Exceedance
MW-252	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-252	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-252	PMP	E005	pH (field)	SU	03/22/16 - 04/18/24	34	0	CI around median	6.8/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-252	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	6	0	CI around mean	-0.389	5	Standard	No Exceedance
MW-252	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-252	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	433	400	Standard	Exceedance
MW-252	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-252	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	34	0	CB around linear reg	1,110	3,260	Background	No Exceedance
MW-352	UA	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.001	0.006	Standard	No Exceedance
MW-352	UA	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-352	UA	E005	Barium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around median	0.0839	2.0	Standard	No Exceedance
MW-352	UA	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-352	UA	E005	Boron, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	1.85	2.23	Background	No Exceedance
MW-352	UA	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-352	UA	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	537	1,370	Background	No Exceedance
MW-352	UA	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-352	UA	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-352	UA	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	1.32	4.0	Standard	No Exceedance
MW-352	UA	E005	Lead, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-352	UA	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.0825	0.123	Background	No Exceedance
MW-352	UA	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-352	UA	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-352	UA	E005	pH (field)	SU	03/22/16 - 04/18/24	35	0	CB around T-S line	7.3/7.4	6.5/9.0	Standard/Standard	No Exceedance
MW-352	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	7	0	CI around mean	0.732	5	Standard	No Exceedance
MW-352	UA	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-352	UA	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	10	400	Standard	No Exceedance
MW-352	UA	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-352	UA	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	35	0	CI around median	1,130	3,260	Background	No Exceedance
MW-366	UA	E005	Antimony, total	mg/L	01/20/16 - 04/16/24	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-366	UA	E005	Arsenic, total	mg/L	01/20/16 - 04/16/24	24	96	CI around median	0.001	0.010	Standard	No Exceedance
MW-366	UA	E005	Barium, total	mg/L	01/20/16 - 04/16/24	24	0	CB around linear reg	0.0238	2.0	Standard	No Exceedance
MW-366	UA	E005	Beryllium, total	mg/L	01/20/16 - 04/16/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-366	UA	E005	Boron, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	1.8	2.23	Background	No Exceedance
MW-366	UA	E005	Cadmium, total	mg/L	01/20/16 - 04/16/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-366	UA	E005	Chloride, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	48.8	1,370	Background	No Exceedance
MW-366	UA	E005	Chromium, total	mg/L	01/20/16 - 04/16/24	24	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-366	UA	E005	Cobalt, total	mg/L	01/20/16 - 04/16/24	22	77	CI around median	0.001	0.006	Standard	No Exceedance
MW-366	UA	E005	Fluoride, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	0.141	4.0	Standard	No Exceedance
MW-366	UA	E005	Lead, total	mg/L	01/20/16 - 04/16/24	21	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-366	UA	E005	Lithium, total	mg/L	01/20/16 - 04/16/24	24	4	CI around mean	0.0151	0.123	Background	No Exceedance
MW-366	UA	E005	Mercury, total	mg/L	01/20/16 - 04/16/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-366	UA	E005	Molybdenum, total	mg/L	01/20/16 - 04/16/24	24	4	CI around mean	0.00289	0.1	Standard	No Exceedance
MW-366	UA	E005	pH (field)	SU	01/20/16 - 04/16/24	25	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-366	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 04/16/24	24	0	CI around geomean	0.451	5	Standard	No Exceedance
MW-366	UA	E005	Selenium, total	mg/L	01/20/16 - 04/16/24	24	96	CI around median	0.001	0.05	Standard	No Exceedance
MW-366	UA	E005	Sulfate, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	600	400	Standard	Exceedance
MW-366	UA	E005	Thallium, total	mg/L	01/20/16 - 04/16/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-366	UA	E005	Total Dissolved Solids	mg/L	01/20/16 - 04/16/24	24	0	CB around linear reg	1,290	3,260	Background	No Exceedance
MW-375	UA	E005	Antimony, total	mg/L	01/20/16 - 04/17/24	24	29	CB around T-S line	0.000417	0.006	Standard	No Exceedance
MW-375	UA	E005	Arsenic, total	mg/L	01/20/16 - 04/17/24	24	4	CI around median	0.0014	0.010	Standard	No Exceedance
MW-375	UA	E005	Barium, total	mg/L	01/20/16 - 04/17/24	24	0	CI around mean	0.0243	2.0	Standard	No Exceedance
MW-375	UA	E005	Beryllium, total	mg/L	01/20/16 - 04/17/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-375	UA	E005	Boron, total	mg/L	01/20/16 - 04/17/24	25	0	CB around T-S line	1.33	2.23	Background	No Exceedance
MW-375	UA	E005	Cadmium, total	mg/L	01/20/16 - 04/17/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-375	UA	E005	Chloride, total	mg/L	01/20/16 - 04/17/24	25	0	CB around linear reg	96.2	1,370	Background	No Exceedance
MW-375	UA	E005	Chromium, total	mg/L	01/20/16 - 04/17/24	24	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-375	UA	E005	Cobalt, total	mg/L	01/20/16 - 04/17/24	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-375	UA	E005	Fluoride, total	mg/L	01/20/16 - 04/17/24	25	0	CB around linear reg	2.36	4.0	Standard	No Exceedance
MW-375	UA	E005	Lead, total	mg/L	01/20/16 - 04/17/24	21	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-375	UA	E005	Lithium, total	mg/L	01/20/16 - 04/17/24	24	0	CB around linear reg	0.0689	0.123	Background	No Exceedance
MW-375	UA	E005	Mercury, total	mg/L	01/20/16 - 04/17/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-375	UA	E005	Molybdenum, total	mg/L	01/20/16 - 04/17/24	24	0	CI around mean	0.0247	0.1	Standard	No Exceedance
MW-375	UA	E005	pH (field)	SU	01/20/16 - 04/17/24	25	0	CI around median	7.7/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-375	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 04/17/24	24	0	CI around median	0.28	5	Standard	No Exceedance
MW-375	UA	E005	Selenium, total	mg/L	01/20/16 - 04/17/24	24	92	CI around median	0.001	0.05	Standard	No Exceedance
MW-375	UA	E005	Sulfate, total	mg/L	01/20/16 - 04/17/24	25	0	CI around mean	116	400	Standard	No Exceedance
MW-375	UA	E005	Thallium, total	mg/L	01/20/16 - 04/17/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-375	UA	E005	Total Dissolved Solids	mg/L	01/20/16 - 04/17/24	25	0	CI around median	910	3,260	Background	No Exceedance
MW-377	UA	E005	Antimony, total	mg/L	01/19/16 - 04/17/24	24	96	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-377	UA	E005	Arsenic, total	mg/L	01/19/16 - 04/17/24	24	79	CI around median	0.001	0.010	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-377	UA	E005	Barium, total	mg/L	01/19/16 - 04/17/24	24	0	CI around mean	0.0603	2.0	Standard	No Exceedance
MW-377	UA	E005	Beryllium, total	mg/L	01/19/16 - 04/17/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-377	UA	E005	Boron, total	mg/L	01/19/16 - 04/17/24	25	0	CI around mean	1.67	2.23	Background	No Exceedance
MW-377	UA	E005	Cadmium, total	mg/L	01/19/16 - 04/17/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-377	UA	E005	Chloride, total	mg/L	01/19/16 - 04/17/24	25	0	CB around linear reg	94.4	1,370	Background	No Exceedance
MW-377	UA	E005	Chromium, total	mg/L	01/19/16 - 04/17/24	24	96	CB around T-S line	0.00144	0.1	Standard	No Exceedance
MW-377	UA	E005	Cobalt, total	mg/L	01/19/16 - 04/17/24	22	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-377	UA	E005	Fluoride, total	mg/L	01/19/16 - 04/17/24	25	0	CB around linear reg	1.14	4.0	Standard	No Exceedance
MW-377	UA	E005	Lead, total	mg/L	01/19/16 - 04/17/24	21	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-377	UA	E005	Lithium, total	mg/L	01/19/16 - 04/17/24	24	0	CB around linear reg	0.0581	0.123	Background	No Exceedance
MW-377	UA	E005	Mercury, total	mg/L	01/19/16 - 04/17/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-377	UA	E005	Molybdenum, total	mg/L	01/19/16 - 04/17/24	24	67	CB around T-S line	0.000708	0.1	Standard	No Exceedance
MW-377	UA	E005	pH (field)	SU	01/19/16 - 04/17/24	25	0	CI around median	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-377	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 04/17/24	24	0	CI around mean	0.399	5	Standard	No Exceedance
MW-377	UA	E005	Selenium, total	mg/L	01/19/16 - 04/17/24	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-377	UA	E005	Sulfate, total	mg/L	01/19/16 - 04/17/24	25	0	CI around median	38	400	Standard	No Exceedance
MW-377	UA	E005	Thallium, total	mg/L	01/19/16 - 04/17/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-377	UA	E005	Total Dissolved Solids	mg/L	01/19/16 - 04/17/24	25	0	CI around mean	601	3,260	Background	No Exceedance
MW-383	UA	E005	Antimony, total	mg/L	01/21/16 - 04/17/24	24	88	CB around T-S line	0.000833	0.006	Standard	No Exceedance
MW-383	UA	E005	Arsenic, total	mg/L	01/21/16 - 04/17/24	24	79	CI around median	0.001	0.010	Standard	No Exceedance
MW-383	UA	E005	Barium, total	mg/L	01/21/16 - 04/17/24	24	0	CB around T-S line	0.0461	2.0	Standard	No Exceedance
MW-383	UA	E005	Beryllium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-383	UA	E005	Boron, total	mg/L	01/21/16 - 04/17/24	25	0	CI around median	1.34	2.23	Background	No Exceedance
MW-383	UA	E005	Cadmium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-383	UA	E005	Chloride, total	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	43.1	1,370	Background	No Exceedance
MW-383	UA	E005	Chromium, total	mg/L	01/21/16 - 04/17/24	24	92	CB around T-S line	0.00145	0.1	Standard	No Exceedance
MW-383	UA	E005	Cobalt, total	mg/L	01/21/16 - 04/17/24	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-383	UA	E005	Fluoride, total	mg/L	01/21/16 - 04/17/24	25	0	CI around mean	0.735	4.0	Standard	No Exceedance
MW-383	UA	E005	Lead, total	mg/L	01/21/16 - 04/17/24	21	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-383	UA	E005	Lithium, total	mg/L	01/21/16 - 04/17/24	24	0	CI around mean	0.0338	0.123	Background	No Exceedance
MW-383	UA	E005	Mercury, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-383	UA	E005	Molybdenum, total	mg/L	01/21/16 - 04/17/24	24	0	CI around geomean	0.0104	0.1	Standard	No Exceedance
MW-383	UA	E005	pH (field)	SU	01/21/16 - 04/17/24	25	0	CB around linear reg	7.4/7.6	6.5/9.0	Standard/Standard	No Exceedance
MW-383	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 04/17/24	24	0	CI around geomean	0.262	5	Standard	No Exceedance
MW-383	UA	E005	Selenium, total	mg/L	01/21/16 - 04/17/24	24	96	CI around median	0.001	0.05	Standard	No Exceedance
MW-383	UA	E005	Sulfate, total	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	147	400	Standard	No Exceedance
MW-383	UA	E005	Thallium, total	mg/L	01/21/16 - 04/17/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-383	UA	E005	Total Dissolved Solids	mg/L	01/21/16 - 04/17/24	25	0	CI around mean	877	3,260	Background	No Exceedance
MW-384	UA	E005	Antimony, total	mg/L	01/21/16 - 04/17/24	24	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-384	UA	E005	Arsenic, total	mg/L	01/21/16 - 04/17/24	24	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-384	UA	E005	Barium, total	mg/L	01/21/16 - 04/17/24	24	0	CB around T-S line	0.0318	2.0	Standard	No Exceedance
MW-384	UA	E005	Beryllium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-384	UA	E005	Boron, total	mg/L	01/21/16 - 04/17/24	25	0	CI around median	1.43	2.23	Background	No Exceedance
MW-384	UA	E005	Cadmium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-384	UA	E005	Chloride, total	mg/L	01/21/16 - 04/17/24	25	0	CB around T-S line	426	1,370	Background	No Exceedance
MW-384	UA	E005	Chromium, total	mg/L	01/21/16 - 04/17/24	24	92	CB around T-S line	0.00145	0.1	Standard	No Exceedance
MW-384	UA	E005	Cobalt, total	mg/L	01/21/16 - 04/17/24	22	96	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-384	UA	E005	Fluoride, total	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	4.08	4.0	Standard	Exceedance
MW-384	UA	E005	Lead, total	mg/L	01/21/16 - 04/17/24	21	95	CI around median	0.001	0.0075	Standard	No Exceedance
MW-384	UA	E005	Lithium, total	mg/L	01/21/16 - 04/17/24	24	0	CB around linear reg	0.0426	0.123	Background	No Exceedance
MW-384	UA	E005	Mercury, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-384	UA	E005	Molybdenum, total	mg/L	01/21/16 - 04/17/24	24	0	CI around mean	0.0177	0.1	Standard	No Exceedance
MW-384	UA	E005	pH (field)	SU	01/21/16 - 04/17/24	25	0	CB around T-S line	8.0/8.1	6.5/9.0	Standard/Standard	No Exceedance
MW-384	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 04/17/24	24	0	CI around geomean	0.366	5	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-384	UA	E005	Selenium, total	mg/L	01/21/16 - 04/17/24	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-384	UA	E005	Sulfate, total	mg/L	01/21/16 - 04/17/24	25	4	CB around linear reg	-6.64	400	Standard	No Exceedance
MW-384	UA	E005	Thallium, total	mg/L	01/21/16 - 04/17/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-384	UA	E005	Total Dissolved Solids	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	1,490	3,260	Background	No Exceedance
MW-390	UA	E005	Antimony, total	mg/L	03/22/16 - 04/16/24	24	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E005	Arsenic, total	mg/L	03/22/16 - 04/16/24	24	8	CI around geomean	0.0013	0.010	Standard	No Exceedance
MW-390	UA	E005	Barium, total	mg/L	03/22/16 - 04/16/24	24	0	CI around mean	0.0465	2.0	Standard	No Exceedance
MW-390	UA	E005	Beryllium, total	mg/L	03/22/16 - 04/16/24	19	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-390	UA	E005	Boron, total	mg/L	03/22/16 - 04/16/24	25	0	CI around median	0.247	2.23	Background	No Exceedance
MW-390	UA	E005	Cadmium, total	mg/L	03/22/16 - 04/16/24	19	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-390	UA	E005	Chloride, total	mg/L	03/22/16 - 04/16/24	25	0	CI around geomean	62.7	1,370	Background	No Exceedance
MW-390	UA	E005	Chromium, total	mg/L	03/22/16 - 04/16/24	24	96	CB around T-S line	0.00148	0.1	Standard	No Exceedance
MW-390	UA	E005	Cobalt, total	mg/L	03/22/16 - 04/16/24	22	68	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E005	Fluoride, total	mg/L	03/22/16 - 04/16/24	25	0	CI around median	0.64	4.0	Standard	No Exceedance
MW-390	UA	E005	Lead, total	mg/L	03/22/16 - 04/16/24	21	90	CI around median	0.001	0.0075	Standard	No Exceedance
MW-390	UA	E005	Lithium, total	mg/L	03/22/16 - 04/16/24	24	4	CI around mean	0.0204	0.123	Background	No Exceedance
MW-390	UA	E005	Mercury, total	mg/L	03/22/16 - 04/16/24	19	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-390	UA	E005	Molybdenum, total	mg/L	03/22/16 - 04/16/24	24	4	CI around geomean	0.00314	0.1	Standard	No Exceedance
MW-390	UA	E005	pH (field)	SU	03/22/16 - 04/16/24	25	0	CB around linear reg	6.8/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-390	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 04/16/24	24	0	CB around T-S line	0.882	5	Standard	No Exceedance
MW-390	UA	E005	Selenium, total	mg/L	03/22/16 - 04/16/24	24	92	CI around median	0.001	0.05	Standard	No Exceedance
MW-390	UA	E005	Sulfate, total	mg/L	03/22/16 - 04/16/24	25	0	CI around geomean	138	400	Standard	No Exceedance
MW-390	UA	E005	Thallium, total	mg/L	03/22/16 - 04/16/24	21	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-390	UA	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/16/24	25	0	CI around geomean	685	3,260	Background	No Exceedance
MW-391	UA	E005	Antimony, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-391	UA	E005	Arsenic, total	mg/L	--	--	--	--	--	0.010	Standard	--
MW-391	UA	E005	Barium, total	mg/L	--	--	--	--	--	2.0	Standard	--

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-391	UA	E005	Beryllium, total	mg/L	--	--	--	--	--	0.004	Standard	--
MW-391	UA	E005	Boron, total	mg/L	--	--	--	--	--	2.23	Background	--
MW-391	UA	E005	Cadmium, total	mg/L	--	--	--	--	--	0.005	Standard	--
MW-391	UA	E005	Chloride, total	mg/L	--	--	--	--	--	1,370	Background	--
MW-391	UA	E005	Chromium, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-391	UA	E005	Cobalt, total	mg/L	--	--	--	--	--	0.006	Standard	--
MW-391	UA	E005	Fluoride, total	mg/L	--	--	--	--	--	4.0	Standard	--
MW-391	UA	E005	Lead, total	mg/L	--	--	--	--	--	0.0075	Standard	--
MW-391	UA	E005	Lithium, total	mg/L	--	--	--	--	--	0.123	Background	--
MW-391	UA	E005	Mercury, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-391	UA	E005	Molybdenum, total	mg/L	--	--	--	--	--	0.1	Standard	--
MW-391	UA	E005	pH (field)	SU	--	--	--	--	--	6.5/9.0	Standard/Standard	--
MW-391	UA	E005	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	5	Standard	--
MW-391	UA	E005	Selenium, total	mg/L	--	--	--	--	--	0.05	Standard	--
MW-391	UA	E005	Sulfate, total	mg/L	--	--	--	--	--	400	Standard	--
MW-391	UA	E005	Thallium, total	mg/L	--	--	--	--	--	0.002	Standard	--
MW-391	UA	E005	Total Dissolved Solids	mg/L	--	--	--	--	--	3,260	Background	--

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

Notes:
– = no data available
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

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
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-150	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-150	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0147	2.0	Standard	No Exceedance
MW-150	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-150	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	3.32	2.23	Background	Exceedance
MW-150	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-150	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	50.1	1,370	Background	No Exceedance
MW-150	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-150	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.658	4.0	Standard	No Exceedance
MW-150	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	7	86	CI around median	0.001	0.0075	Standard	No Exceedance
MW-150	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0444	0.123	Background	No Exceedance
MW-150	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-150	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	7	57	CI around median	0.0015	0.1	Standard	No Exceedance
MW-150	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	35	0	CB around T-S line	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-150	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	7	0	CI around mean	-0.143	5	Standard	No Exceedance
MW-150	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	7	71	CI around median	0.001	0.05	Standard	No Exceedance
MW-150	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	840	400	Standard	Exceedance
MW-150	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-150	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	35	0	CB around linear reg	1,650	3,260	Background	No Exceedance
MW-151	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-151	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	8	62	CI around median	0.001	0.010	Standard	No Exceedance
MW-151	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around median	0.055	2.0	Standard	No Exceedance
MW-151	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.0005	0.004	Standard	No Exceedance
MW-151	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.46	2.23	Background	No Exceedance
MW-151	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-151	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	37.5	1,370	Background	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-151	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	8	25	CI around geomean	0.00177	0.1	Standard	No Exceedance
MW-151	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	8	38	CI around geomean	0.000883	0.006	Standard	No Exceedance
MW-151	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.501	4.0	Standard	No Exceedance
MW-151	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	8	38	CI around geomean	0.000863	0.0075	Standard	No Exceedance
MW-151	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.0248	0.123	Background	No Exceedance
MW-151	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-151	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-151	PMP	E006	pH (field)	SU	03/16/17 - 07/18/24	32	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
MW-151	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	8	0	CI around mean	0.0343	5	Standard	No Exceedance
MW-151	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-151	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	75.4	400	Standard	No Exceedance
MW-151	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-151	PMP	E006	Total Dissolved Solids	mg/L	03/16/17 - 07/18/24	32	0	CB around linear reg	558	3,260	Background	No Exceedance
MW-152	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-152	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	7	43	CI around geomean	0.000828	0.010	Standard	No Exceedance
MW-152	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0111	2.0	Standard	No Exceedance
MW-152	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-152	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	-2.85	2.23	Background	No Exceedance
MW-152	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-152	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	2.41	1,370	Background	No Exceedance
MW-152	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	7	43	CI around mean	0.00104	0.1	Standard	No Exceedance
MW-152	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	7	43	CI around mean	0.000738	0.006	Standard	No Exceedance
MW-152	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.243	4.0	Standard	No Exceedance
MW-152	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	7	43	CI around mean	0.000282	0.0075	Standard	No Exceedance
MW-152	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	7	14	CI around mean	0.0062	0.123	Background	No Exceedance
MW-152	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-152	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-152	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	35	0	CI around geomean	6.8/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-152	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	7	0	CI around mean	0.193	5	Standard	No Exceedance
MW-152	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-152	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	259	400	Standard	No Exceedance
MW-152	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-152	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	35	0	CB around linear reg	542	3,260	Background	No Exceedance
MW-153	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-153	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around median	0.0335	2.0	Standard	No Exceedance
MW-153	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.0005	0.004	Standard	No Exceedance
MW-153	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	8	67	CI around median	0.02	2.23	Background	No Exceedance
MW-153	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-153	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	15.5	1,370	Background	No Exceedance
MW-153	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	8	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.369	4.0	Standard	No Exceedance
MW-153	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	8	75	CI around median	0.001	0.0075	Standard	No Exceedance
MW-153	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	8	12	CI around mean	0.00289	0.123	Background	No Exceedance
MW-153	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-153	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	36	0	CI around median	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-153	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	8	0	CI around mean	0.187	5	Standard	No Exceedance
MW-153	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.00215	0.05	Standard	No Exceedance
MW-153	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	59.6	400	Standard	No Exceedance
MW-153	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-153	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	36	0	CI around median	370	3,260	Background	No Exceedance
MW-252	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	7	29	CI around mean	0.000876	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-252	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	7	71	CI around median	0.001	0.010	Standard	No Exceedance
MW-252	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0266	2.0	Standard	No Exceedance
MW-252	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-252	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.131	2.23	Background	No Exceedance
MW-252	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-252	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	36.3	1,370	Background	No Exceedance
MW-252	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	7	57	CI around median	0.0015	0.1	Standard	No Exceedance
MW-252	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	7	14	CI around mean	0.000736	0.006	Standard	No Exceedance
MW-252	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.202	4.0	Standard	No Exceedance
MW-252	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	7	71	CI around median	0.001	0.0075	Standard	No Exceedance
MW-252	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0123	0.123	Background	No Exceedance
MW-252	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-252	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-252	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	35	0	CI around median	6.8/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-252	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	7	0	CI around geomean	0.222	5	Standard	No Exceedance
MW-252	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-252	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	440	400	Standard	Exceedance
MW-252	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-252	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	35	0	CB around linear reg	1,110	3,260	Background	No Exceedance
MW-253R	PMP	E006	Antimony, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-253R	PMP	E006R	Antimony, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-253R	PMP	E006	Arsenic, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0012	0.010	Standard	No Exceedance
MW-253R	PMP	E006R	Arsenic, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.01	0.010	Standard	No Exceedance
MW-253R	PMP	E006	Barium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.111	2.0	Standard	No Exceedance
MW-253R	PMP	E006R	Barium, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.119	2.0	Standard	No Exceedance
MW-253R	PMP	E006	Beryllium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-253R	PMP	E006R	Beryllium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.004	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-253R	PMP	E006	Boron, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.182	2.23	Background	No Exceedance
MW-253R	PMP	E006R	Boron, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.225	2.23	Background	No Exceedance
MW-253R	PMP	E006	Cadmium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-253R	PMP	E006R	Cadmium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-253R	PMP	E006	Chloride, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	23	1,370	Background	No Exceedance
MW-253R	PMP	E006R	Chloride, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	24.5	1,370	Background	No Exceedance
MW-253R	PMP	E006	Chromium, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.0015	0.1	Standard	No Exceedance
MW-253R	PMP	E006R	Chromium, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.0149	0.1	Standard	No Exceedance
MW-253R	PMP	E006	Cobalt, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-253R	PMP	E006R	Cobalt, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.0048	0.006	Standard	No Exceedance
MW-253R	PMP	E006	Fluoride, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.46	4.0	Standard	No Exceedance
MW-253R	PMP	E006R	Fluoride, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.5	4.0	Standard	No Exceedance
MW-253R	PMP	E006	Lead, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.001	0.0075	Standard	No Exceedance
MW-253R	PMP	E006R	Lead, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.0041	0.0075	Standard	No Exceedance
MW-253R	PMP	E006	Lithium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0142	0.123	Background	No Exceedance
MW-253R	PMP	E006R	Lithium, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.0206	0.123	Background	No Exceedance
MW-253R	PMP	E006	Mercury, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-253R	PMP	E006R	Mercury, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-253R	PMP	E006	Molybdenum, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0041	0.1	Standard	No Exceedance
MW-253R	PMP	E006R	Molybdenum, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.0055	0.1	Standard	No Exceedance
MW-253R	PMP	E006	pH (field)	SU	07/18/24 - 07/18/24	1	0	Most recent sample	7.1/7.1	6.5/9.0	Standard/Standard	No Exceedance
MW-253R	PMP	E006R	pH (field)	SU	07/18/24 - 08/28/24	2	0	Most recent sample	6.9/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-253R	PMP	E006	Radium 226 + Radium 228, total	pCi/L	07/18/24 - 07/18/24	1	0	Most recent sample	1.12	5	Standard	No Exceedance
MW-253R	PMP	E006R	Radium 226 + Radium 228, total	pCi/L	07/18/24 - 08/28/24	2	0	Most recent sample	1.47	5	Standard	No Exceedance
MW-253R	PMP	E006	Selenium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-253R	PMP	E006R	Selenium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-253R	PMP	E006	Sulfate, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	549	400	Standard	Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-253R	PMP	E006R	Sulfate, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	434	400	Standard	Exceedance
MW-253R	PMP	E006	Thallium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-253R	PMP	E006R	Thallium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-253R	PMP	E006	Total Dissolved Solids	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	1,250	3,260	Background	No Exceedance
MW-253R	PMP	E006R	Total Dissolved Solids	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	1,020	3,260	Background	No Exceedance
MW-350R	UA	E006	Antimony, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-350R	UA	E006	Arsenic, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0029	0.010	Standard	No Exceedance
MW-350R	UA	E006	Barium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.106	2.0	Standard	No Exceedance
MW-350R	UA	E006	Beryllium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-350R	UA	E006	Boron, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	1.02	2.23	Background	No Exceedance
MW-350R	UA	E006	Cadmium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-350R	UA	E006	Chloride, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	26	1,370	Background	No Exceedance
MW-350R	UA	E006	Chromium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-350R	UA	E006	Cobalt, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-350R	UA	E006	Fluoride, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.87	4.0	Standard	No Exceedance
MW-350R	UA	E006	Lead, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-350R	UA	E006	Lithium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0754	0.123	Background	No Exceedance
MW-350R	UA	E006	Mercury, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-350R	UA	E006	Molybdenum, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0175	0.1	Standard	No Exceedance
MW-350R	UA	E006	pH (field)	SU	07/18/24 - 07/18/24	1	0	Most recent sample	7.7/7.7	6.5/9.0	Standard/Standard	No Exceedance
MW-350R	UA	E006	Radium 226 + Radium 228, total	pCi/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.34	5	Standard	No Exceedance
MW-350R	UA	E006	Selenium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-350R	UA	E006	Sulfate, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	70	400	Standard	No Exceedance
MW-350R	UA	E006	Thallium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-350R	UA	E006	Total Dissolved Solids	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	506	3,260	Background	No Exceedance
MW-352	UA	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-352	UA	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.010	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-352	UA	E006	Barium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around median	0.0839	2.0	Standard	No Exceedance
MW-352	UA	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-352	UA	E006	Boron, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	1.88	2.23	Background	No Exceedance
MW-352	UA	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-352	UA	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	542	1,370	Background	No Exceedance
MW-352	UA	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-352	UA	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-352	UA	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	1.35	4.0	Standard	No Exceedance
MW-352	UA	E006	Lead, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-352	UA	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.0852	0.123	Background	No Exceedance
MW-352	UA	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-352	UA	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-352	UA	E006	pH (field)	SU	03/22/16 - 07/18/24	36	0	CB around T-S line	7.2/7.5	6.5/9.0	Standard/Standard	No Exceedance
MW-352	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	8	0	CI around mean	0.759	5	Standard	No Exceedance
MW-352	UA	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-352	UA	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	10	400	Standard	No Exceedance
MW-352	UA	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-352	UA	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	36	0	CI around median	1,130	3,260	Background	No Exceedance
MW-366	UA	E006	Antimony, total	mg/L	01/20/16 - 07/18/24	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-366	UA	E006	Arsenic, total	mg/L	01/20/16 - 07/18/24	25	96	CI around median	0.001	0.010	Standard	No Exceedance
MW-366	UA	E006	Barium, total	mg/L	01/20/16 - 07/18/24	25	0	CB around linear reg	0.0221	2.0	Standard	No Exceedance
MW-366	UA	E006	Beryllium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-366	UA	E006	Boron, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	1.9	2.23	Background	No Exceedance
MW-366	UA	E006	Cadmium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-366	UA	E006	Chloride, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	50.7	1,370	Background	No Exceedance
MW-366	UA	E006	Chromium, total	mg/L	01/20/16 - 07/18/24	25	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-366	UA	E006	Cobalt, total	mg/L	01/20/16 - 07/18/24	23	78	CI around median	0.001	0.006	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-366	UA	E006	Fluoride, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	0.135	4.0	Standard	No Exceedance
MW-366	UA	E006	Lead, total	mg/L	01/20/16 - 07/18/24	22	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-366	UA	E006	Lithium, total	mg/L	01/20/16 - 07/18/24	25	4	CB around linear reg	0.00329	0.123	Background	No Exceedance
MW-366	UA	E006	Mercury, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-366	UA	E006	Molybdenum, total	mg/L	01/20/16 - 07/18/24	25	4	CI around mean	0.00291	0.1	Standard	No Exceedance
MW-366	UA	E006	pH (field)	SU	01/20/16 - 07/18/24	26	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
MW-366	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 07/18/24	25	0	CI around geomean	0.421	5	Standard	No Exceedance
MW-366	UA	E006	Selenium, total	mg/L	01/20/16 - 07/18/24	25	96	CI around median	0.001	0.05	Standard	No Exceedance
MW-366	UA	E006	Sulfate, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	633	400	Standard	Exceedance
MW-366	UA	E006	Thallium, total	mg/L	01/20/16 - 07/18/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-366	UA	E006	Total Dissolved Solids	mg/L	01/20/16 - 07/18/24	25	0	CB around linear reg	1,340	3,260	Background	No Exceedance
MW-375	UA	E006	Antimony, total	mg/L	01/20/16 - 07/18/24	25	32	CB around T-S line	0.000423	0.006	Standard	No Exceedance
MW-375	UA	E006	Arsenic, total	mg/L	01/20/16 - 07/18/24	25	4	CI around median	0.0014	0.010	Standard	No Exceedance
MW-375	UA	E006	Barium, total	mg/L	01/20/16 - 07/18/24	25	0	CI around geomean	0.0243	2.0	Standard	No Exceedance
MW-375	UA	E006	Beryllium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-375	UA	E006	Boron, total	mg/L	01/20/16 - 07/18/24	26	0	CI around mean	1.29	2.23	Background	No Exceedance
MW-375	UA	E006	Cadmium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-375	UA	E006	Chloride, total	mg/L	01/20/16 - 07/18/24	26	0	CI around mean	92.5	1,370	Background	No Exceedance
MW-375	UA	E006	Chromium, total	mg/L	01/20/16 - 07/18/24	25	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-375	UA	E006	Cobalt, total	mg/L	01/20/16 - 07/18/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-375	UA	E006	Fluoride, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	2.36	4.0	Standard	No Exceedance
MW-375	UA	E006	Lead, total	mg/L	01/20/16 - 07/18/24	22	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-375	UA	E006	Lithium, total	mg/L	01/20/16 - 07/18/24	25	0	CB around linear reg	0.0685	0.123	Background	No Exceedance
MW-375	UA	E006	Mercury, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-375	UA	E006	Molybdenum, total	mg/L	01/20/16 - 07/18/24	25	0	CI around mean	0.0242	0.1	Standard	No Exceedance
MW-375	UA	E006	pH (field)	SU	01/20/16 - 07/18/24	26	0	CB around T-S line	7.6/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-375	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 07/18/24	25	0	CI around median	0.248	5	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-375	UA	E006	Selenium, total	mg/L	01/20/16 - 07/18/24	25	92	CI around median	0.001	0.05	Standard	No Exceedance
MW-375	UA	E006	Sulfate, total	mg/L	01/20/16 - 07/18/24	26	0	CI around mean	115	400	Standard	No Exceedance
MW-375	UA	E006	Thallium, total	mg/L	01/20/16 - 07/18/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-375	UA	E006	Total Dissolved Solids	mg/L	01/20/16 - 07/18/24	26	0	CI around median	916	3,260	Background	No Exceedance
MW-377	UA	E006	Antimony, total	mg/L	01/19/16 - 07/18/24	25	96	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-377	UA	E006	Arsenic, total	mg/L	01/19/16 - 07/18/24	25	80	CI around median	0.001	0.010	Standard	No Exceedance
MW-377	UA	E006	Barium, total	mg/L	01/19/16 - 07/18/24	25	0	CI around mean	0.0601	2.0	Standard	No Exceedance
MW-377	UA	E006	Beryllium, total	mg/L	01/19/16 - 07/18/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-377	UA	E006	Boron, total	mg/L	01/19/16 - 07/18/24	26	0	CI around mean	1.67	2.23	Background	No Exceedance
MW-377	UA	E006	Cadmium, total	mg/L	01/19/16 - 07/18/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-377	UA	E006	Chloride, total	mg/L	01/19/16 - 07/18/24	26	0	CB around linear reg	95.4	1,370	Background	No Exceedance
MW-377	UA	E006	Chromium, total	mg/L	01/19/16 - 07/18/24	25	96	CB around T-S line	0.00143	0.1	Standard	No Exceedance
MW-377	UA	E006	Cobalt, total	mg/L	01/19/16 - 07/18/24	23	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-377	UA	E006	Fluoride, total	mg/L	01/19/16 - 07/18/24	26	0	CB around linear reg	1.16	4.0	Standard	No Exceedance
MW-377	UA	E006	Lead, total	mg/L	01/19/16 - 07/18/24	22	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-377	UA	E006	Lithium, total	mg/L	01/19/16 - 07/18/24	25	0	CB around linear reg	0.0585	0.123	Background	No Exceedance
MW-377	UA	E006	Mercury, total	mg/L	01/19/16 - 07/18/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-377	UA	E006	Molybdenum, total	mg/L	01/19/16 - 07/18/24	25	68	CB around T-S line	0.000664	0.1	Standard	No Exceedance
MW-377	UA	E006	pH (field)	SU	01/19/16 - 07/18/24	26	0	CI around median	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
MW-377	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 07/18/24	25	0	CI around mean	0.396	5	Standard	No Exceedance
MW-377	UA	E006	Selenium, total	mg/L	01/19/16 - 07/18/24	25	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-377	UA	E006	Sulfate, total	mg/L	01/19/16 - 07/18/24	26	0	CI around median	38	400	Standard	No Exceedance
MW-377	UA	E006	Thallium, total	mg/L	01/19/16 - 07/18/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-377	UA	E006	Total Dissolved Solids	mg/L	01/19/16 - 07/18/24	26	0	CI around mean	603	3,260	Background	No Exceedance
MW-383	UA	E006	Antimony, total	mg/L	01/21/16 - 07/17/24	25	88	CB around T-S line	0.000822	0.006	Standard	No Exceedance
MW-383	UA	E006	Arsenic, total	mg/L	01/21/16 - 07/17/24	25	80	CI around median	0.001	0.010	Standard	No Exceedance
MW-383	UA	E006	Barium, total	mg/L	01/21/16 - 07/17/24	25	0	CB around T-S line	0.0461	2.0	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-383	UA	E006	Beryllium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-383	UA	E006	Boron, total	mg/L	01/21/16 - 07/17/24	26	0	CI around median	1.34	2.23	Background	No Exceedance
MW-383	UA	E006	Cadmium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-383	UA	E006	Chloride, total	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	43	1,370	Background	No Exceedance
MW-383	UA	E006	Chromium, total	mg/L	01/21/16 - 07/17/24	25	92	CB around T-S line	0.00145	0.1	Standard	No Exceedance
MW-383	UA	E006	Cobalt, total	mg/L	01/21/16 - 07/17/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-383	UA	E006	Fluoride, total	mg/L	01/21/16 - 07/17/24	26	0	CI around mean	0.733	4.0	Standard	No Exceedance
MW-383	UA	E006	Lead, total	mg/L	01/21/16 - 07/17/24	22	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-383	UA	E006	Lithium, total	mg/L	01/21/16 - 07/17/24	25	0	CI around mean	0.0339	0.123	Background	No Exceedance
MW-383	UA	E006	Mercury, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-383	UA	E006	Molybdenum, total	mg/L	01/21/16 - 07/17/24	25	0	CI around geomean	0.0104	0.1	Standard	No Exceedance
MW-383	UA	E006	pH (field)	SU	01/21/16 - 07/17/24	26	0	CI around mean	7.5/7.7	6.5/9.0	Standard/Standard	No Exceedance
MW-383	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 07/17/24	25	0	CI around geomean	0.256	5	Standard	No Exceedance
MW-383	UA	E006	Selenium, total	mg/L	01/21/16 - 07/17/24	25	96	CI around median	0.001	0.05	Standard	No Exceedance
MW-383	UA	E006	Sulfate, total	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	148	400	Standard	No Exceedance
MW-383	UA	E006	Thallium, total	mg/L	01/21/16 - 07/17/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-383	UA	E006	Total Dissolved Solids	mg/L	01/21/16 - 07/17/24	26	0	CI around mean	880	3,260	Background	No Exceedance
MW-384	UA	E006	Antimony, total	mg/L	01/21/16 - 07/17/24	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-384	UA	E006	Arsenic, total	mg/L	01/21/16 - 07/17/24	25	100	All ND - Last	0.001	0.010	Standard	No Exceedance
MW-384	UA	E006	Barium, total	mg/L	01/21/16 - 07/17/24	25	0	CB around T-S line	0.034	2.0	Standard	No Exceedance
MW-384	UA	E006	Beryllium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-384	UA	E006	Boron, total	mg/L	01/21/16 - 07/17/24	26	0	CI around median	1.44	2.23	Background	No Exceedance
MW-384	UA	E006	Cadmium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-384	UA	E006	Chloride, total	mg/L	01/21/16 - 07/17/24	26	0	CB around T-S line	442	1,370	Background	No Exceedance
MW-384	UA	E006	Chromium, total	mg/L	01/21/16 - 07/17/24	25	88	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-384	UA	E006	Cobalt, total	mg/L	01/21/16 - 07/17/24	23	96	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-384	UA	E006	Fluoride, total	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	4.19	4.0	Standard	Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-384	UA	E006	Lead, total	mg/L	01/21/16 - 07/17/24	22	96	CI around median	0.001	0.0075	Standard	No Exceedance
MW-384	UA	E006	Lithium, total	mg/L	01/21/16 - 07/17/24	25	0	CB around linear reg	0.0422	0.123	Background	No Exceedance
MW-384	UA	E006	Mercury, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-384	UA	E006	Molybdenum, total	mg/L	01/21/16 - 07/17/24	25	0	CI around mean	0.0174	0.1	Standard	No Exceedance
MW-384	UA	E006	pH (field)	SU	01/21/16 - 07/17/24	26	0	CB around T-S line	8.0/8.1	6.5/9.0	Standard/Standard	No Exceedance
MW-384	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 07/17/24	25	0	CI around geomean	0.376	5	Standard	No Exceedance
MW-384	UA	E006	Selenium, total	mg/L	01/21/16 - 07/17/24	25	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-384	UA	E006	Sulfate, total	mg/L	01/21/16 - 07/17/24	26	4	CB around linear reg	-7.68	400	Standard	No Exceedance
MW-384	UA	E006	Thallium, total	mg/L	01/21/16 - 07/17/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-384	UA	E006	Total Dissolved Solids	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	1,510	3,260	Background	No Exceedance
MW-390	UA	E006	Antimony, total	mg/L	03/22/16 - 07/17/24	25	96	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E006	Arsenic, total	mg/L	03/22/16 - 07/17/24	25	12	CI around median	0.0013	0.010	Standard	No Exceedance
MW-390	UA	E006	Barium, total	mg/L	03/22/16 - 07/17/24	25	0	CI around mean	0.0472	2.0	Standard	No Exceedance
MW-390	UA	E006	Beryllium, total	mg/L	03/22/16 - 07/17/24	20	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-390	UA	E006	Boron, total	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	0.365	2.23	Background	No Exceedance
MW-390	UA	E006	Cadmium, total	mg/L	03/22/16 - 07/17/24	20	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-390	UA	E006	Chloride, total	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	64.6	1,370	Background	No Exceedance
MW-390	UA	E006	Chromium, total	mg/L	03/22/16 - 07/17/24	25	96	CB around T-S line	0.00144	0.1	Standard	No Exceedance
MW-390	UA	E006	Cobalt, total	mg/L	03/22/16 - 07/17/24	23	65	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E006	Fluoride, total	mg/L	03/22/16 - 07/17/24	26	0	CI around median	0.82	4.0	Standard	No Exceedance
MW-390	UA	E006	Lead, total	mg/L	03/22/16 - 07/17/24	22	91	CI around median	0.001	0.0075	Standard	No Exceedance
MW-390	UA	E006	Lithium, total	mg/L	03/22/16 - 07/17/24	25	4	CI around mean	0.0208	0.123	Background	No Exceedance
MW-390	UA	E006	Mercury, total	mg/L	03/22/16 - 07/17/24	20	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-390	UA	E006	Molybdenum, total	mg/L	03/22/16 - 07/17/24	25	4	CI around geomean	0.00312	0.1	Standard	No Exceedance
MW-390	UA	E006	pH (field)	SU	03/22/16 - 07/17/24	26	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
MW-390	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 07/17/24	25	0	CI around geomean	0.575	5	Standard	No Exceedance
MW-390	UA	E006	Selenium, total	mg/L	03/22/16 - 07/17/24	25	92	CI around median	0.001	0.05	Standard	No Exceedance

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
MW-390	UA	E006	Sulfate, total	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	140	400	Standard	No Exceedance
MW-390	UA	E006	Thallium, total	mg/L	03/22/16 - 07/17/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-390	UA	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	692	3,260	Background	No Exceedance
MW-391	UA	E006	Antimony, total	mg/L	12/22/16 - 07/19/24	18	6	CI around mean	0.00141	0.006	Standard	No Exceedance
MW-391	UA	E006	Arsenic, total	mg/L	12/22/16 - 07/19/24	18	6	CB around T-S line	0.00211	0.010	Standard	No Exceedance
MW-391	UA	E006	Barium, total	mg/L	12/22/16 - 07/19/24	18	0	CI around geomean	0.0211	2.0	Standard	No Exceedance
MW-391	UA	E006	Beryllium, total	mg/L	12/22/16 - 07/19/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-391	UA	E006	Boron, total	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	2.34	2.23	Background	Exceedance
MW-391	UA	E006	Cadmium, total	mg/L	12/22/16 - 07/19/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-391	UA	E006	Chloride, total	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	145	1,370	Background	No Exceedance
MW-391	UA	E006	Chromium, total	mg/L	12/22/16 - 07/19/24	18	78	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-391	UA	E006	Cobalt, total	mg/L	12/22/16 - 07/19/24	16	88	CI around median	0.001	0.006	Standard	No Exceedance
MW-391	UA	E006	Fluoride, total	mg/L	12/22/16 - 07/19/24	18	0	CB around T-S line	2.61	4.0	Standard	No Exceedance
MW-391	UA	E006	Lead, total	mg/L	12/22/16 - 07/19/24	15	93	CI around median	0.001	0.0075	Standard	No Exceedance
MW-391	UA	E006	Lithium, total	mg/L	12/22/16 - 07/19/24	19	0	CI around mean	0.0705	0.123	Background	No Exceedance
MW-391	UA	E006	Mercury, total	mg/L	12/22/16 - 07/19/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-391	UA	E006	Molybdenum, total	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	0.0396	0.1	Standard	No Exceedance
MW-391	UA	E006	pH (field)	SU	12/22/16 - 07/19/24	20	0	CI around mean	7.6/7.8	6.5/9.0	Standard/Standard	No Exceedance
MW-391	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 07/19/24	19	0	CI around geomean	0.615	5	Standard	No Exceedance
MW-391	UA	E006	Selenium, total	mg/L	12/22/16 - 07/19/24	18	0	CI around geomean	0.00181	0.05	Standard	No Exceedance
MW-391	UA	E006	Sulfate, total	mg/L	12/22/16 - 07/19/24	18	0	CB around linear reg	-13.1	400	Standard	No Exceedance
MW-391	UA	E006	Thallium, total	mg/L	12/22/16 - 07/19/24	16	94	CI around median	0.002	0.002	Standard	No Exceedance
MW-391	UA	E006	Total Dissolved Solids	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	1,880	3,260	Background	No Exceedance

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

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

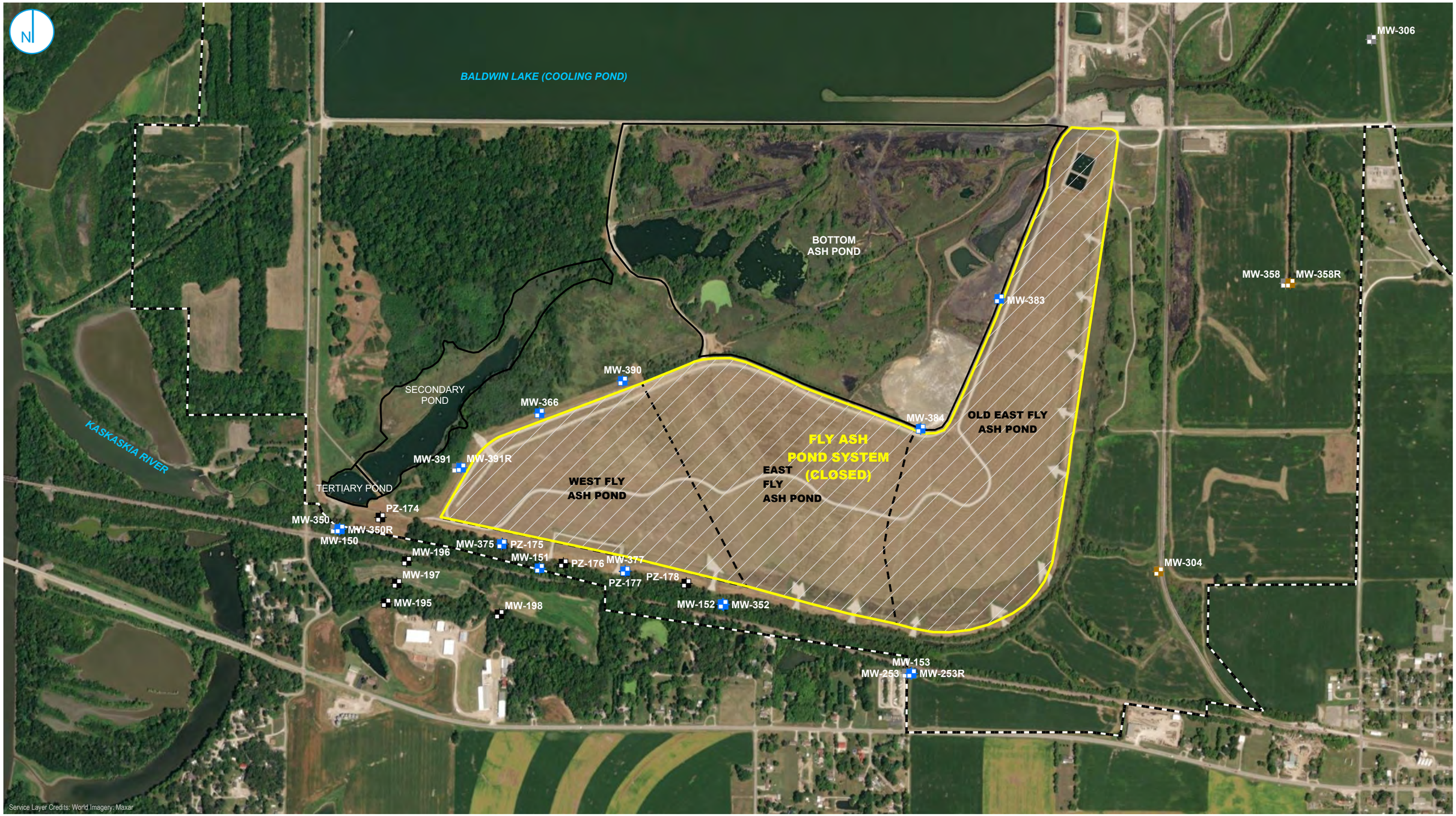
HSU = hydrostratigraphic unit:
- PMP = Potential Migration Pathway
- UA = Uppermost Aquifer

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.
- NS[8] = A sample was not collected.
- 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
R = indicates that a resample was completed in accordance with the Statistical Analysis Plan
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

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- MONITORING WELL
- CLOSED MONITORING WELL
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

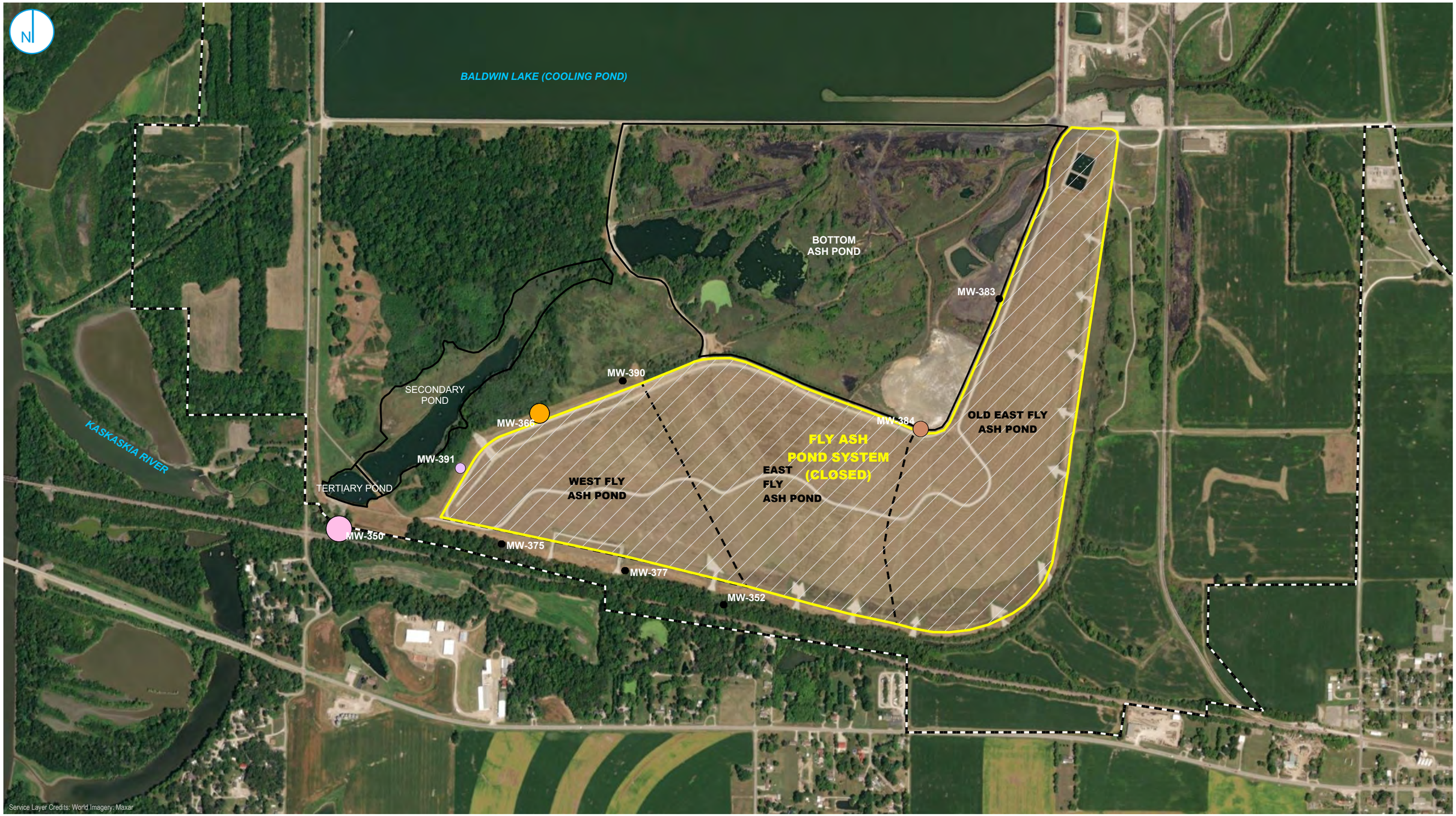
MONITORING WELL LOCATION MAP

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

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



- TOTAL BORON EXCEEDANCE
- TOTAL FLUORIDE EXCEEDANCE
- TOTAL SULFATE EXCEEDANCE
- pH EXCEEDANCE

0 400 800 Feet

- COMPLIANCE WELL WITHOUT EXCEEDANCE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

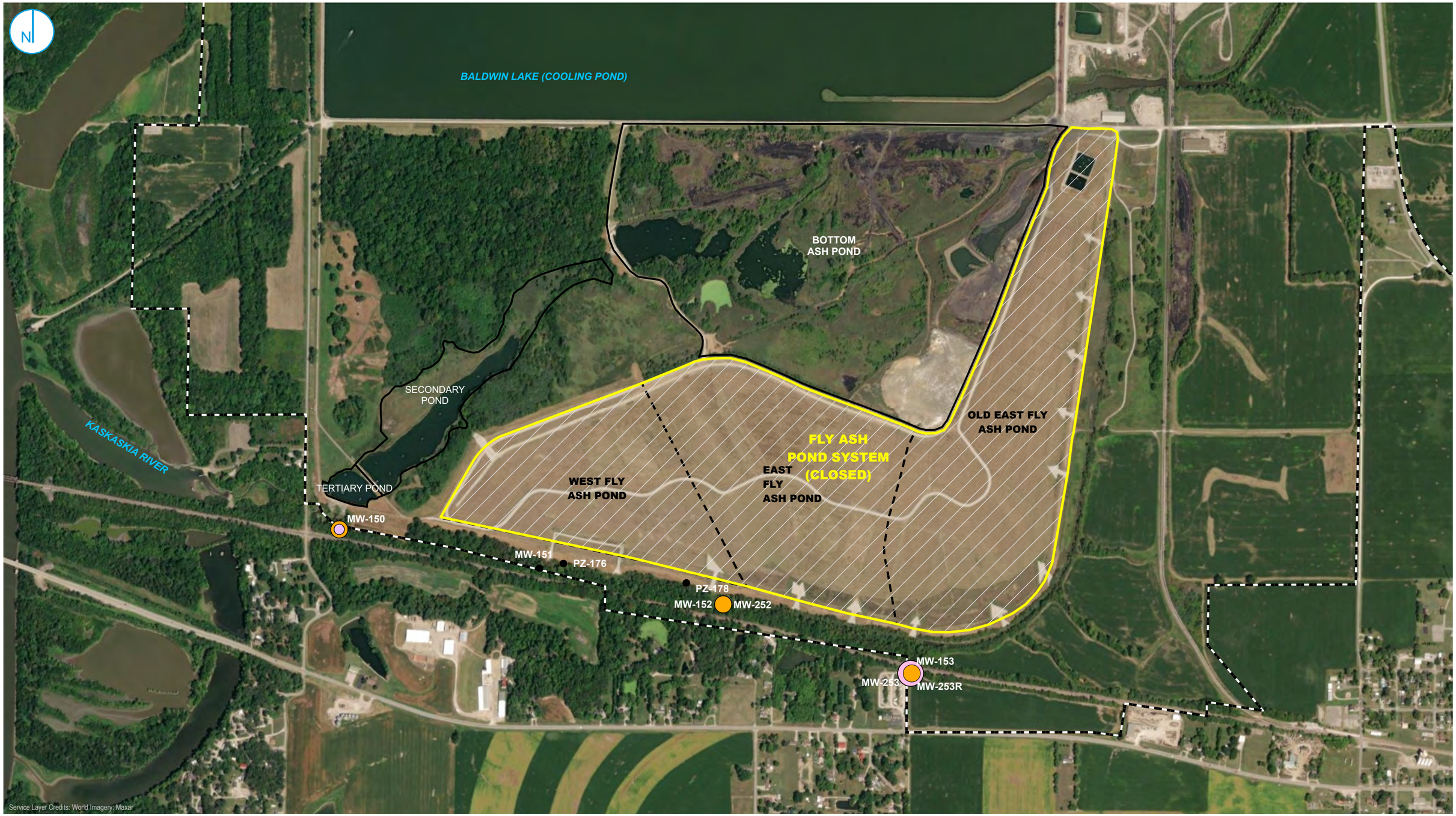
GWPS EXCEEDANCE MAP UPPERMOST AQUIFER QUARTER 4, 2023 AND QUARTERS 1-3, 2024

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

FIGURE 2

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL



TOTAL BORON EXCEEDANCE
TOTAL SULFATE EXCEEDANCE
pH EXCEEDANCE

COMPLIANCE WELL WITHOUT EXCEEDANCE

REGULATED UNIT (SUBJECT UNIT)
SITE FEATURE
CAPPED AREA
PROPERTY BOUNDARY

0 400 800 Feet

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

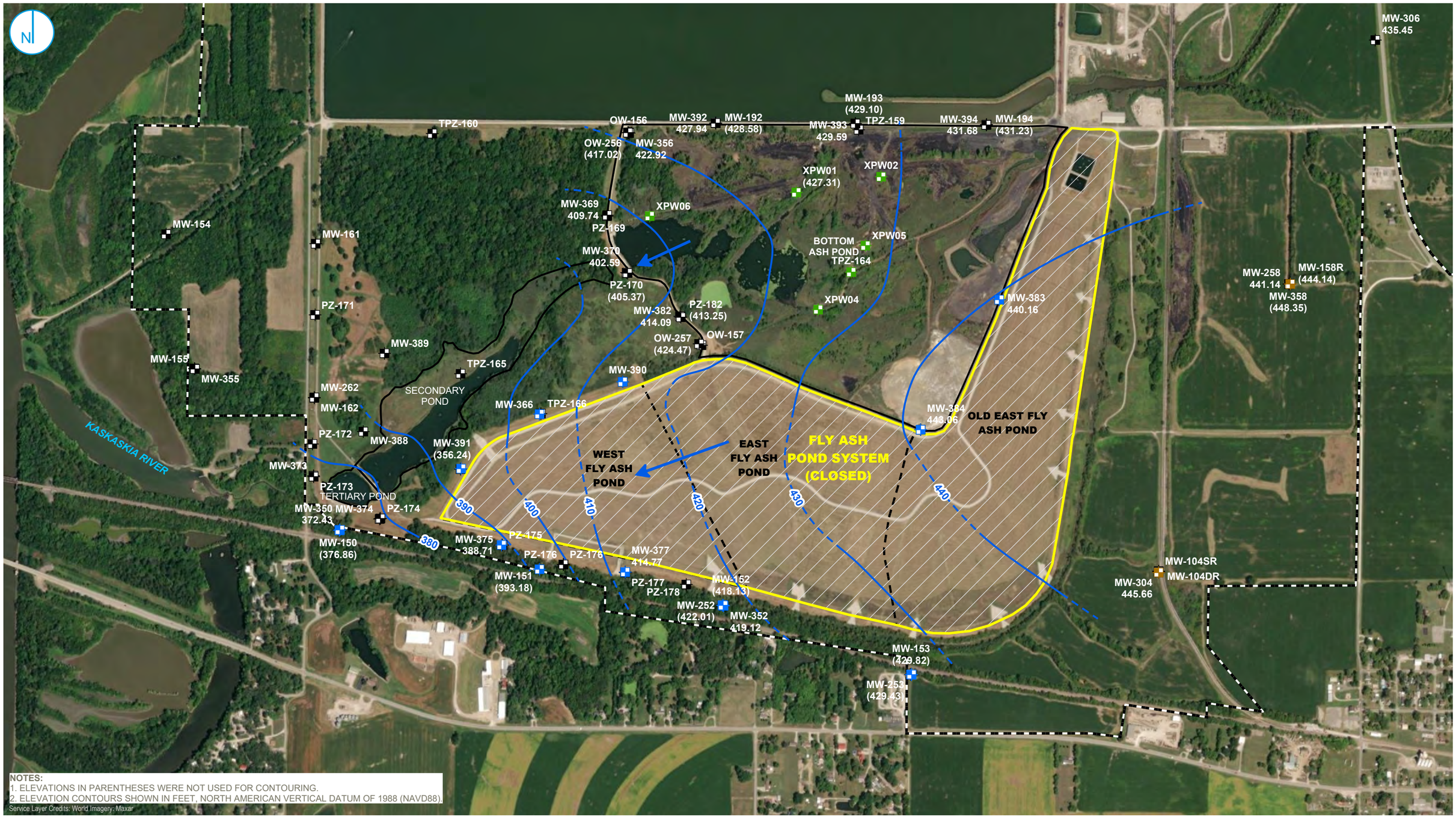
2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22851MXD\GW_Contours\Round_2024\Baldwin\FAPS_605\FAPS_605_2024 aprx\BAL 605 FAPS Pot Surface 20240110



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: 1/21/2025 | DESIGNER: GALARNMC

- 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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP JANUARY 10, 2024

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

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

N

TPZ-160 (425.90)
MW-392 428.22
MW-192 (428.79)
MW-193 (429.29)
MW-393 429.74
TPZ-159 DRY
MW-394 431.74
MW-194 (431.43)
MW-306 435.58
OW-156 (420.42)
MW-356 423.00
OW-256 (418.42)
XPW02 (435.30)
XPW01 (428.01)
MW-369 410.90
XPW06 (415.27)
MW-154 (372.42)
MW-161 (405.05)
PZ-169 (409.59)
MW-370 402.83
PZ-170 (405.84)
BOTTOM ASH POND
XPW05
TPZ-164
XPW04
MW-158R (446.70)
MW-258 441.34
MW-358 (450.19)
MW-383 440.03
PZ-171 (403.03)
MW-382 414.68
PZ-182 (413.94)
OW-157 (426.42)
OW-257 (425.00)
MW-389 397.64
MW-155
MW-355
TPZ-165
MW-390 419.63
MW-162 (405.35)
MW-262 (394.69)
SECONDARY POND
MW-366 410.90
MW-384 443.14
OLD EAST FLY ASH POND
MW-388 393.70
PZ-172 (392.56)
TPZ-166 (412.42)
KASKASKIA RIVER
FLY ASH POND SYSTEM (CLOSED)
EAST FLY ASH POND
WEST FLY ASH POND
MW-373 378.46
MW-391 DRY
PZ-173 (383.07)
TERTIARY POND
MW-374 389.00
MW-350 372.65
PZ-174 (389.13)
MW-150 (377.26)
MW-375 389.21
PZ-175 (394.80)
PZ-176 (394.52)
MW-377 414.77
MW-104SR (443.92)
MW-104DR (443.86)
MW-304 445.84
MW-151 (393.59)
PZ-177 (413.35)
PZ-178 (422.25)
MW-152 (419.47)
MW-252 (422.03)
MW-352 420.70
MW-153 (430.82)
MW-253 (430.11)
390
400
410
420
430
440
380

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: 1/21/2025 | DESIGNER: GALARNMC

- 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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

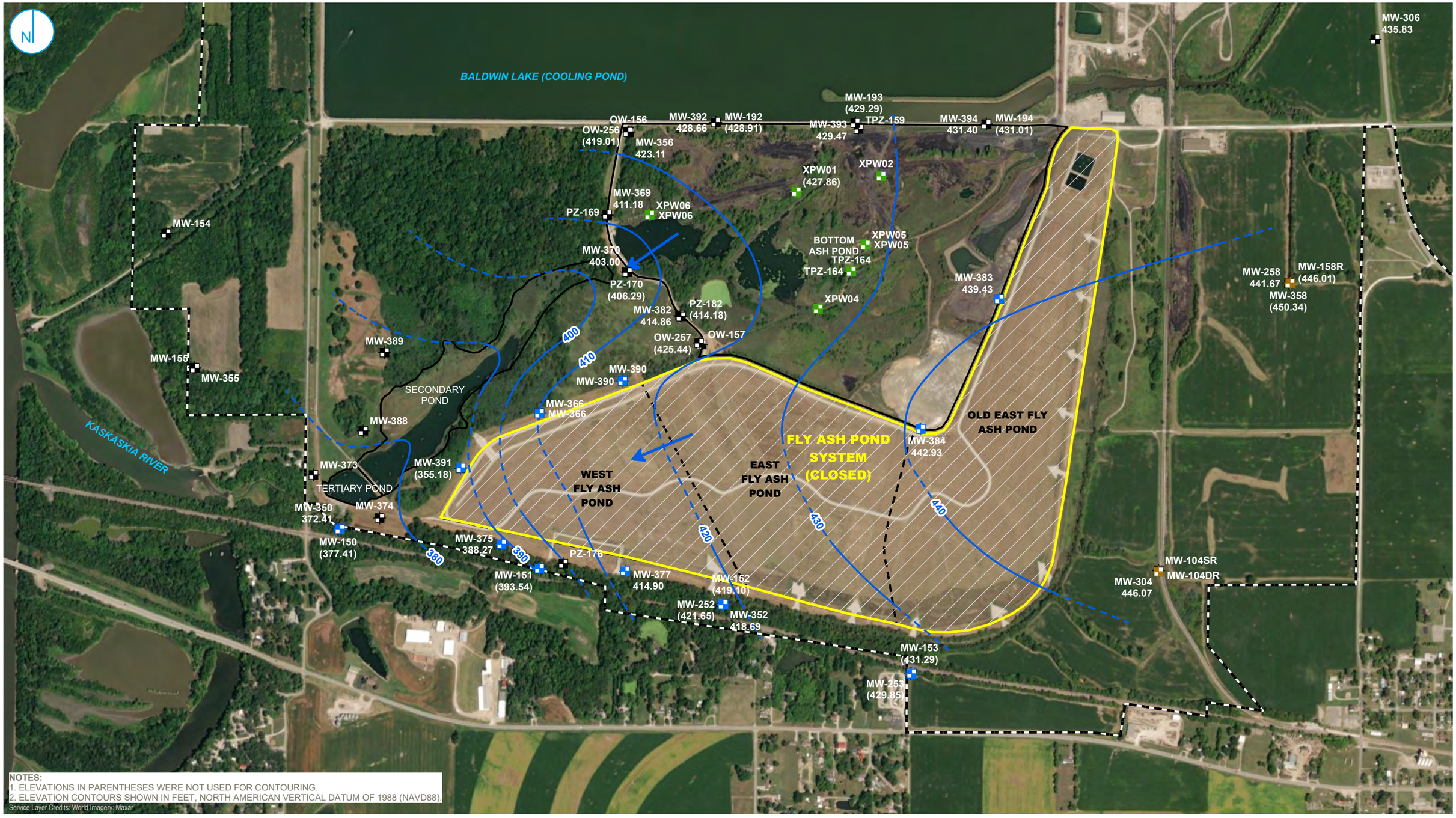
POTENTIOMETRIC SURFACE MAP FEBRUARY 5, 2024

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

FIGURE 5

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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP MARCH 15, 2024

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

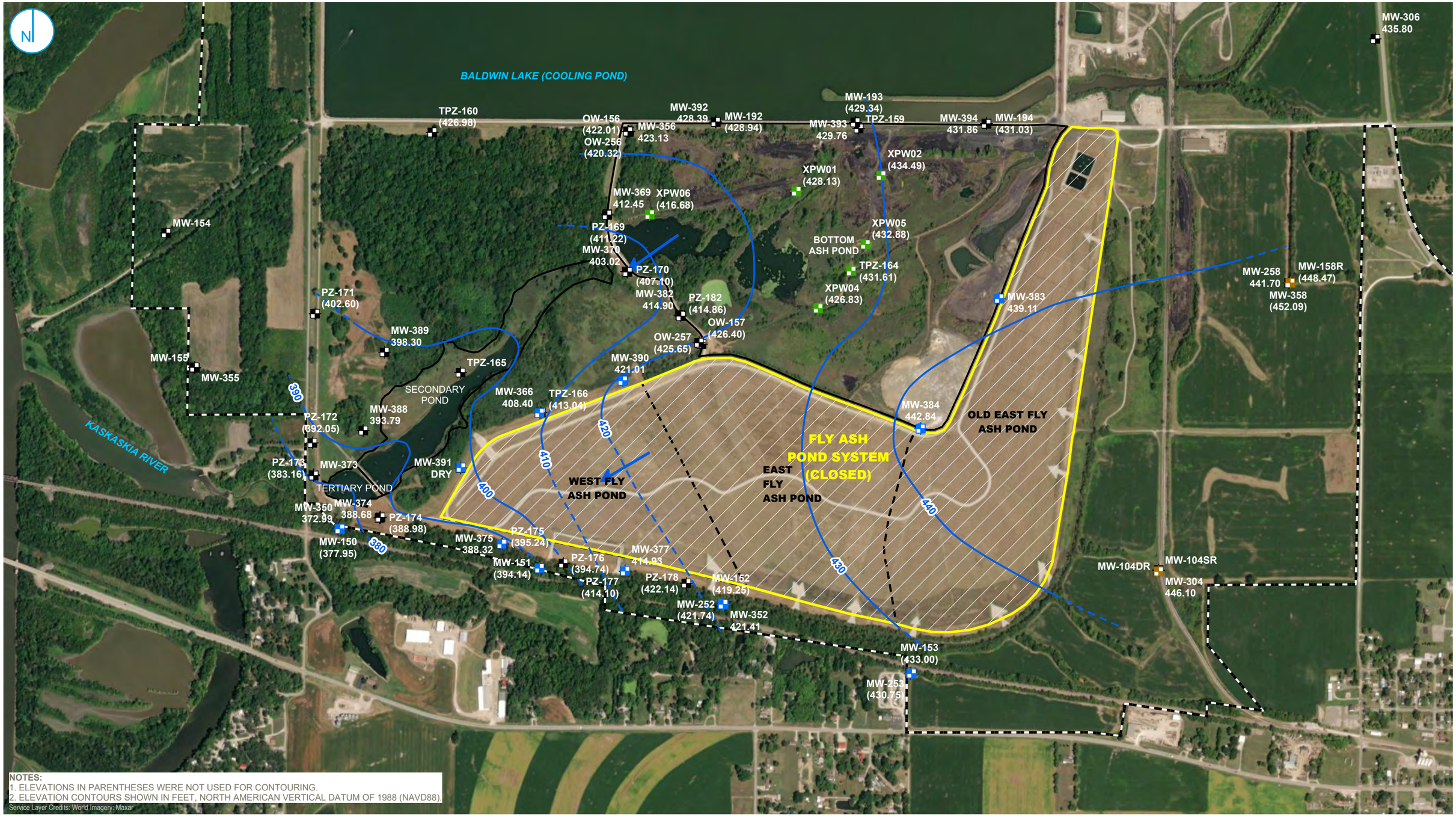
FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/21/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\22851MXD\GW_Contours\Round_2024\Baldwin\FAPS_605\FAPS_605_2024 aprx\BAL 605 FAPS 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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

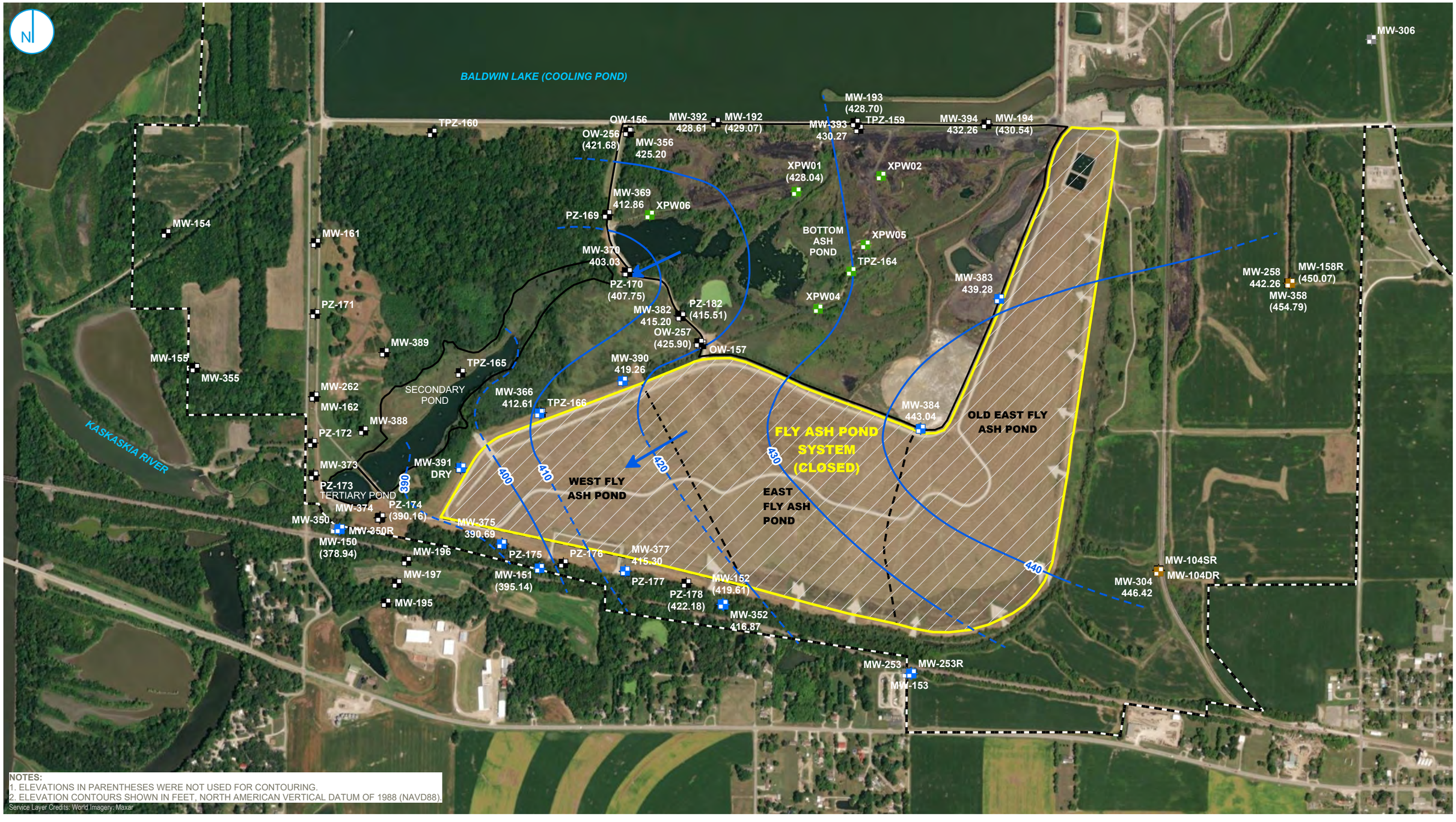
POTENTIOMETRIC SURFACE MAP APRIL 15, 2024

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

FIGURE 7

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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP MAY 15, 2024

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

FIGURE 8

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/21/2025 | DESIGNER: GALARNMC

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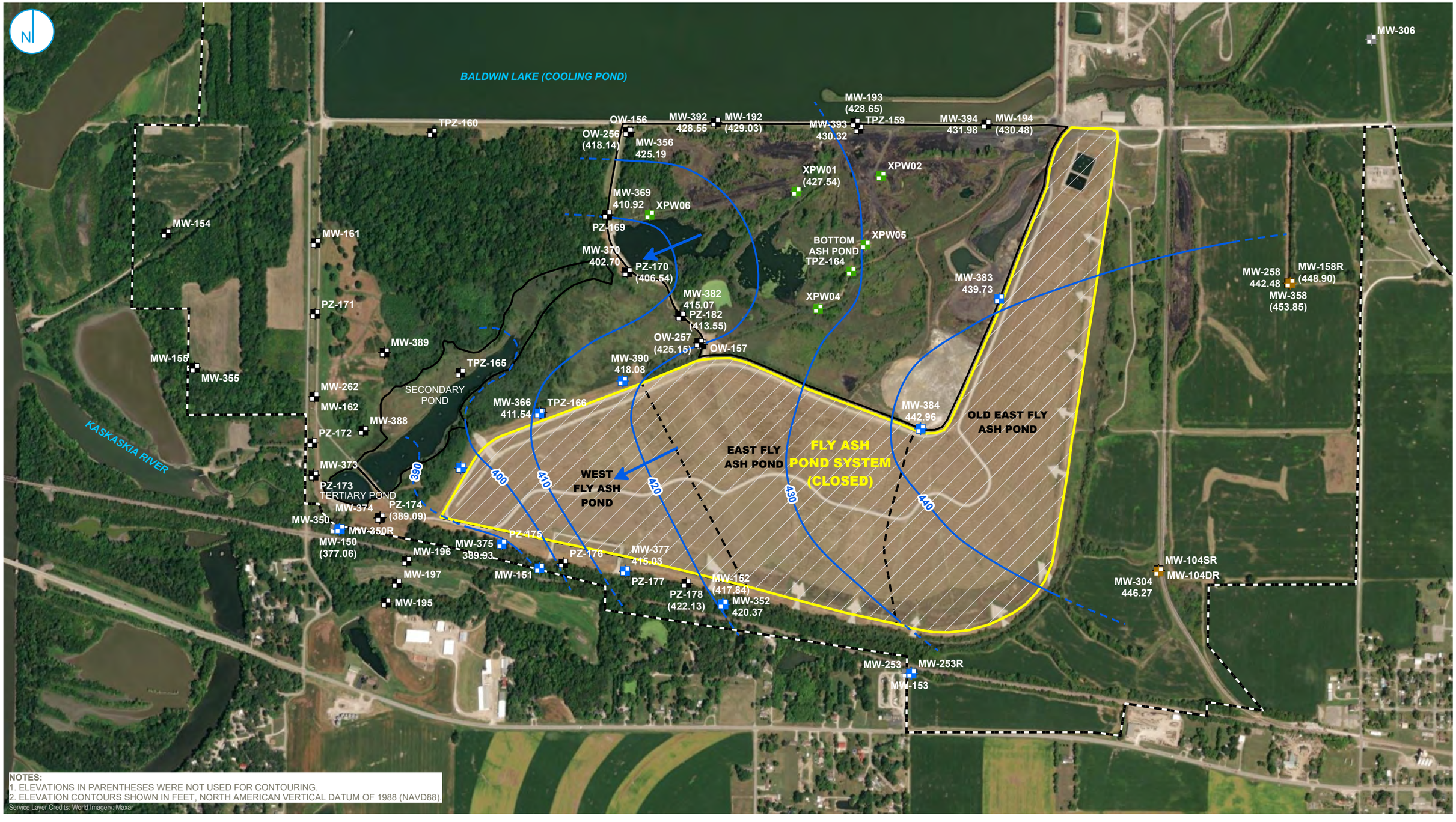


NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP JUNE 15, 2024

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

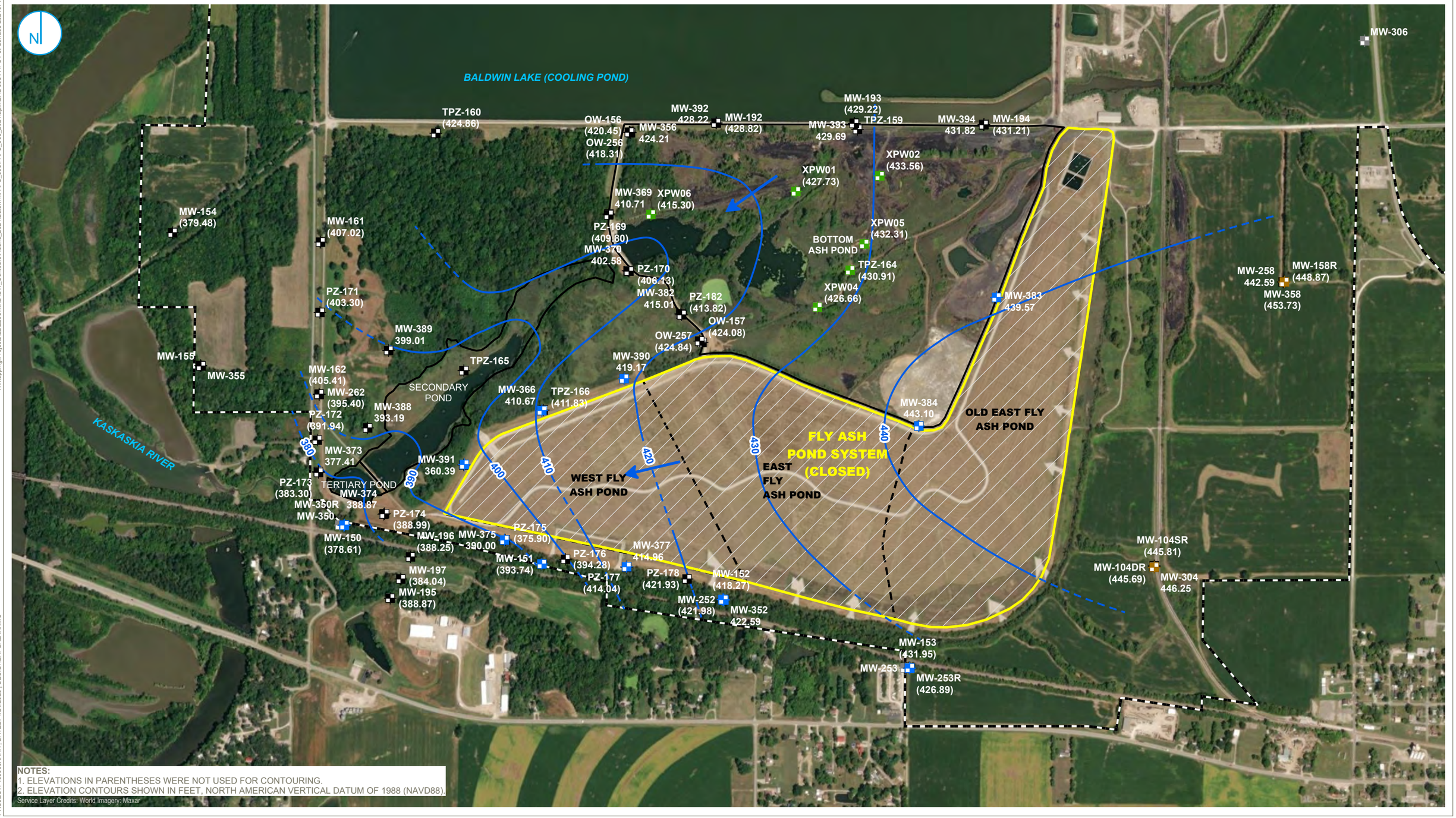
FIGURE 9

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/21/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\22851MXD\GW_Contours\Round_2024\Baldwin\FAPS_605\FAPS_605_2024 aprx\BAL 605 FAPS 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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

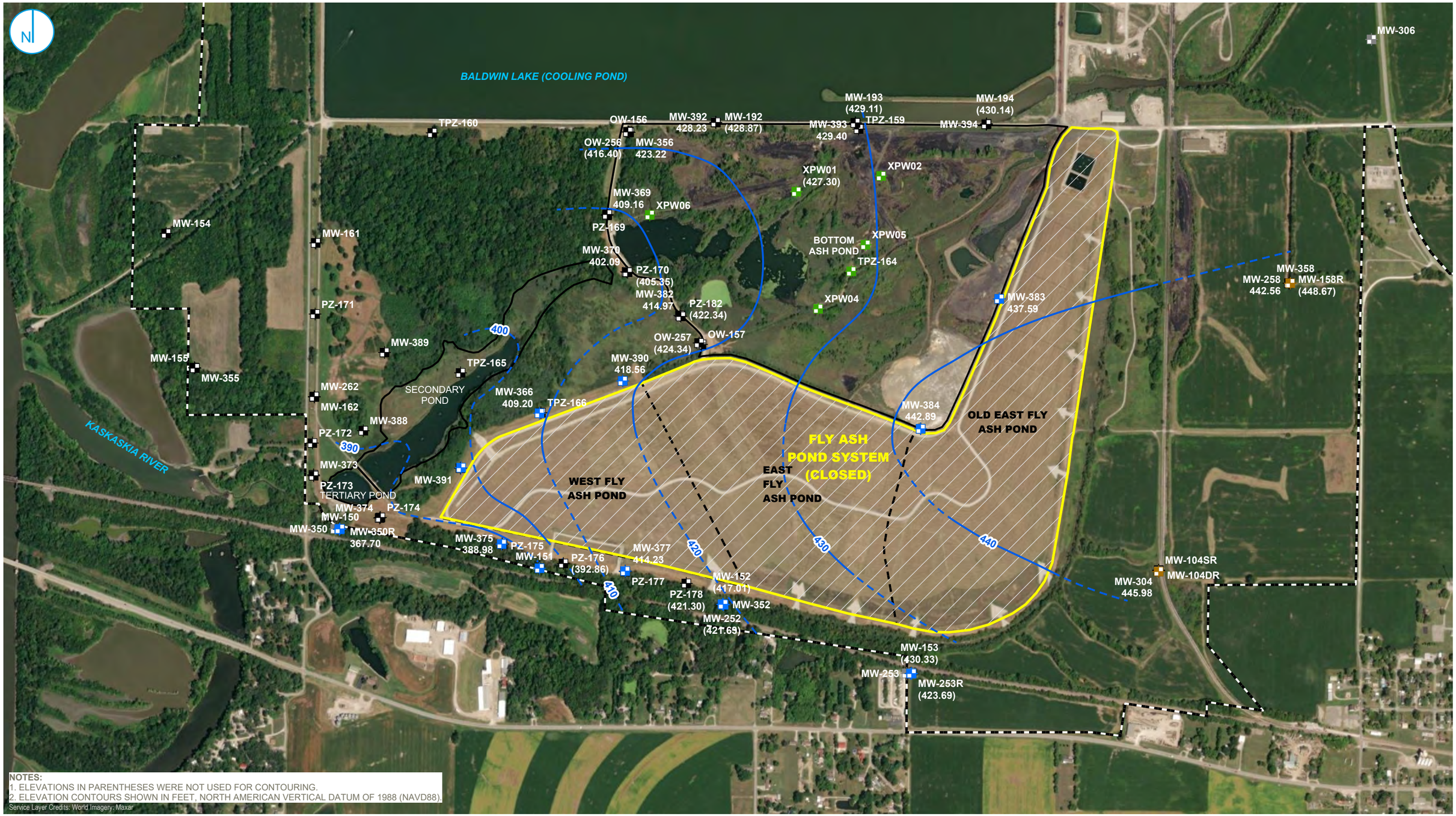
POTENTIOMETRIC SURFACE MAP JULY 15, 2024

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

FIGURE 10

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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP AUGUST 14, 2024

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

FIGURE 11

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

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PROJECT: 169000XXXX | DATED: 1/21/2025 | DESIGNER: GALARNMC

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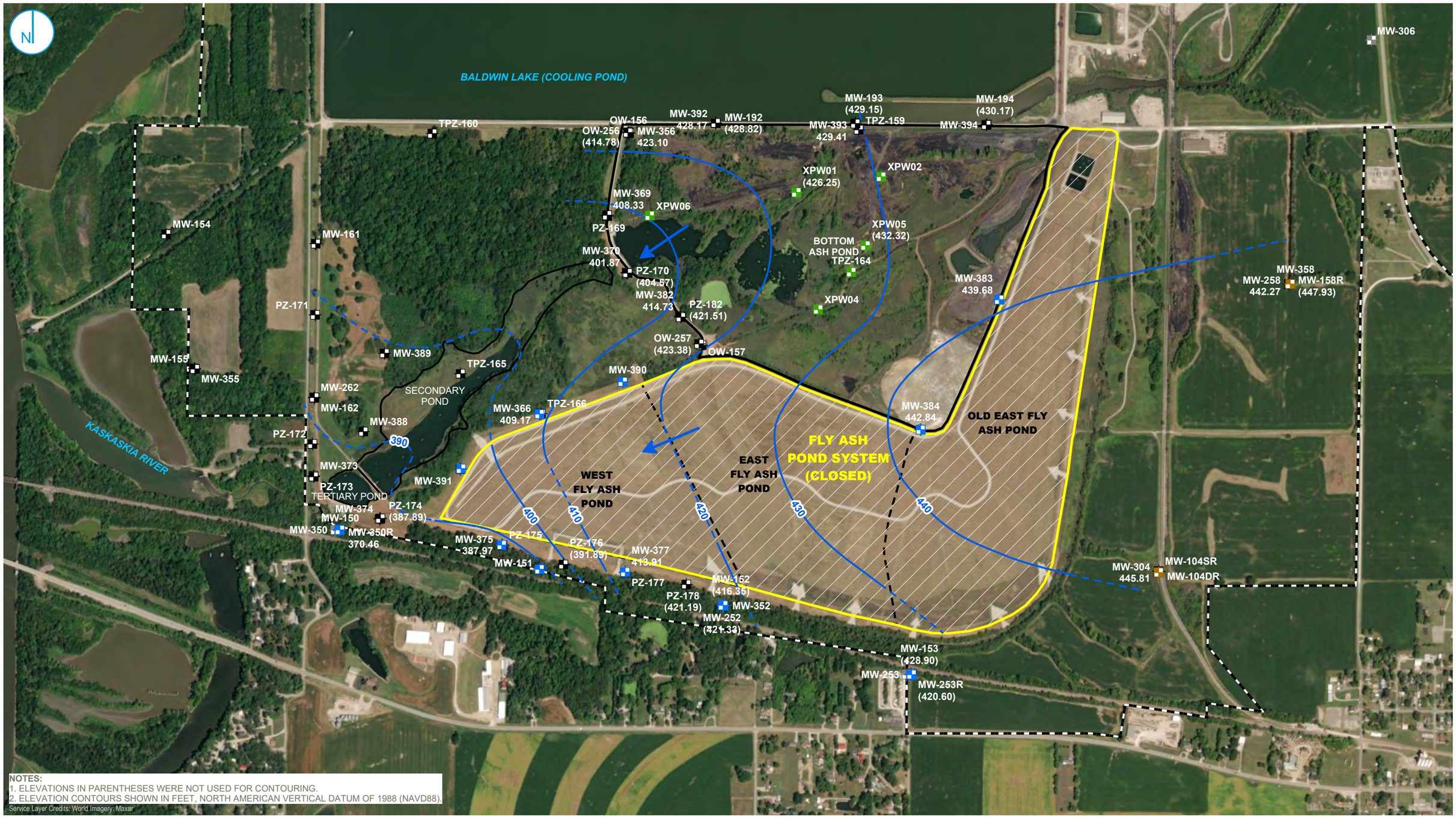


NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: World Imagery: Maxar

PROJECT: 1690000XXXX | DATED: 1/21/2025 | 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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

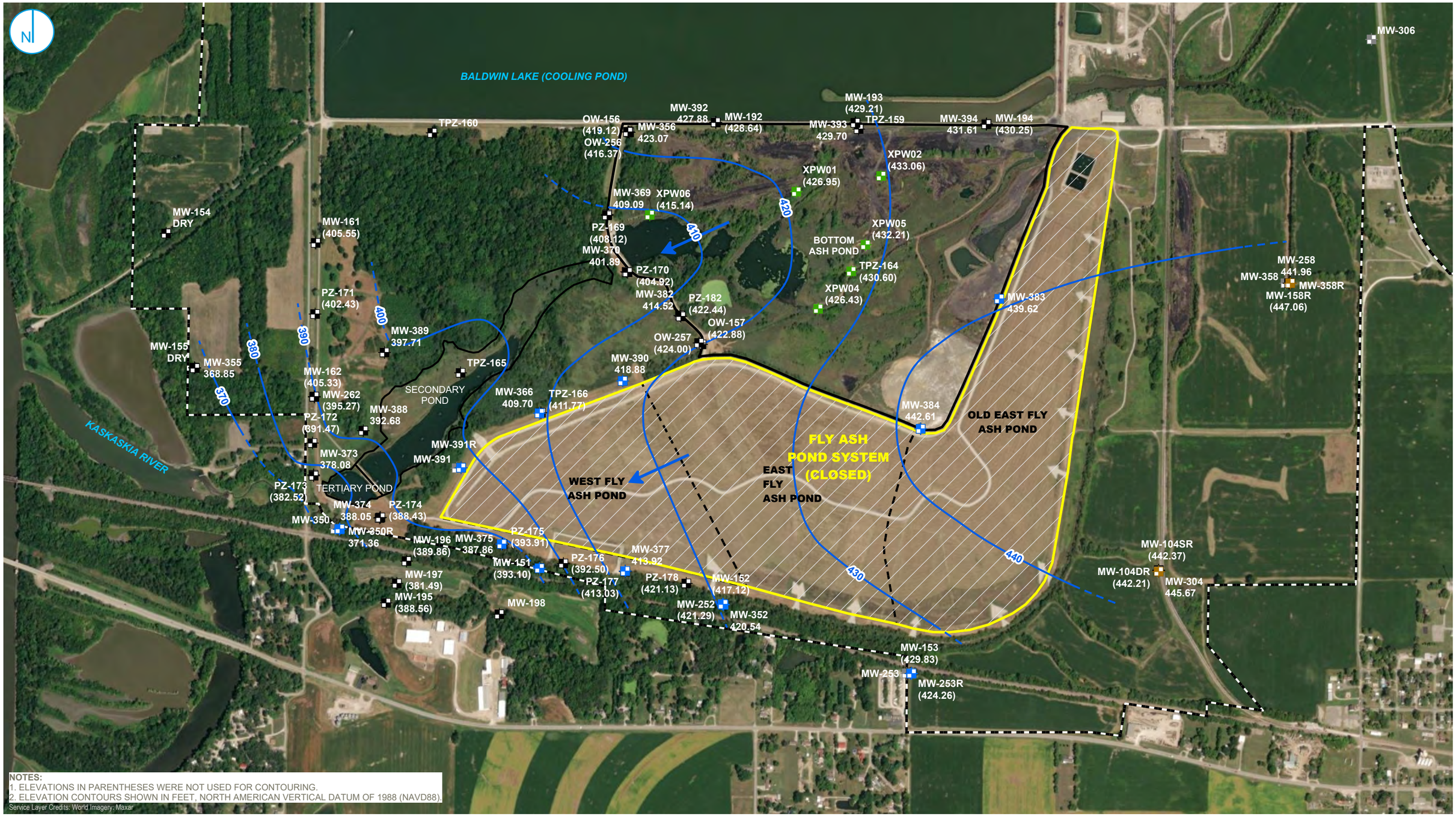
POTENTIOMETRIC SURFACE MAP SEPTEMBER 14, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP
OCTOBER 14, 2024

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

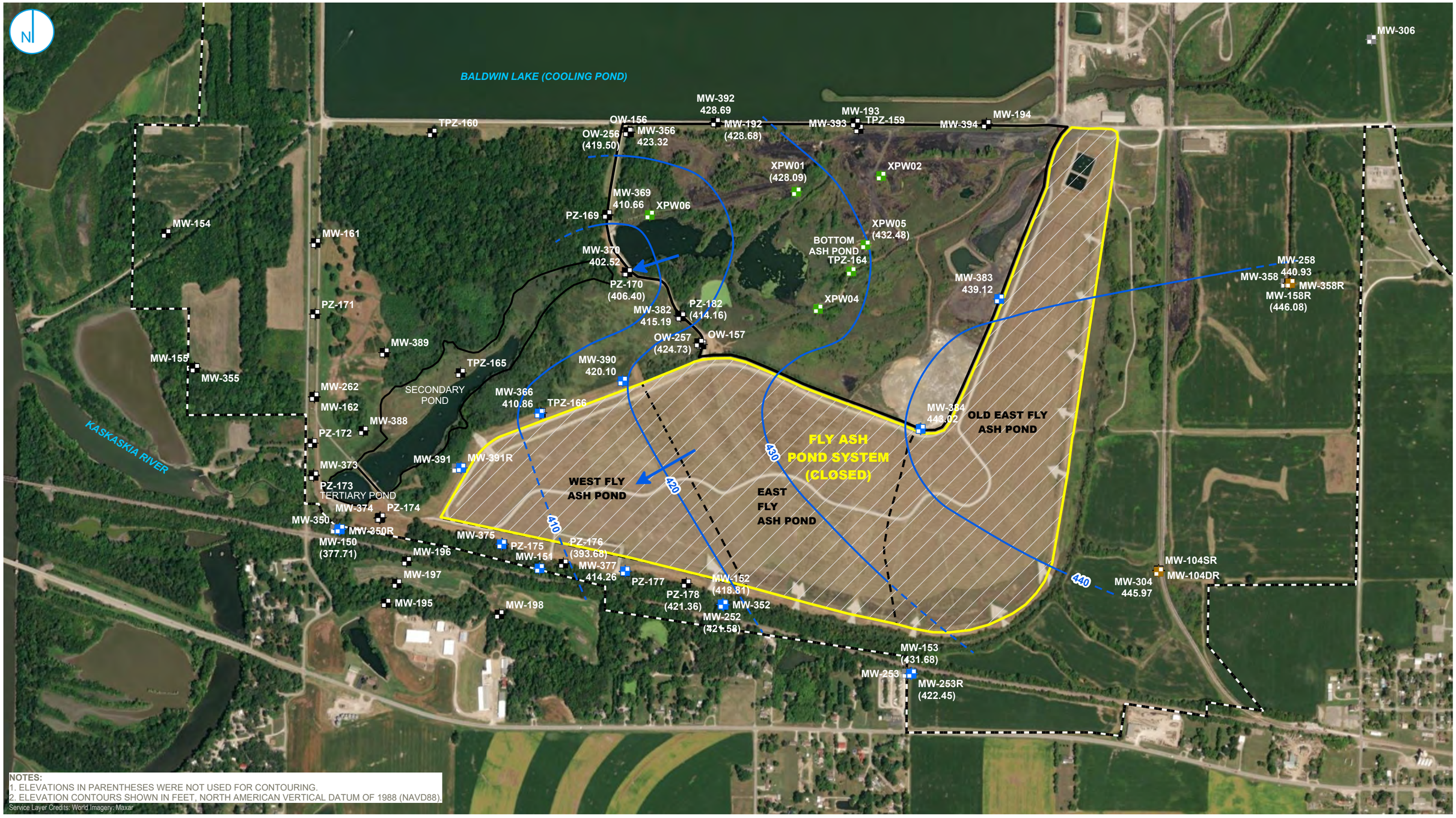
FIGURE 13

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/21/2025 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\22851MXD\GW_Contours\Round_2024\Baldwin\FAPS_605\FAPS_605_2024 aprx\BAL 605 FAPS 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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP NOVEMBER 10, 2024

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

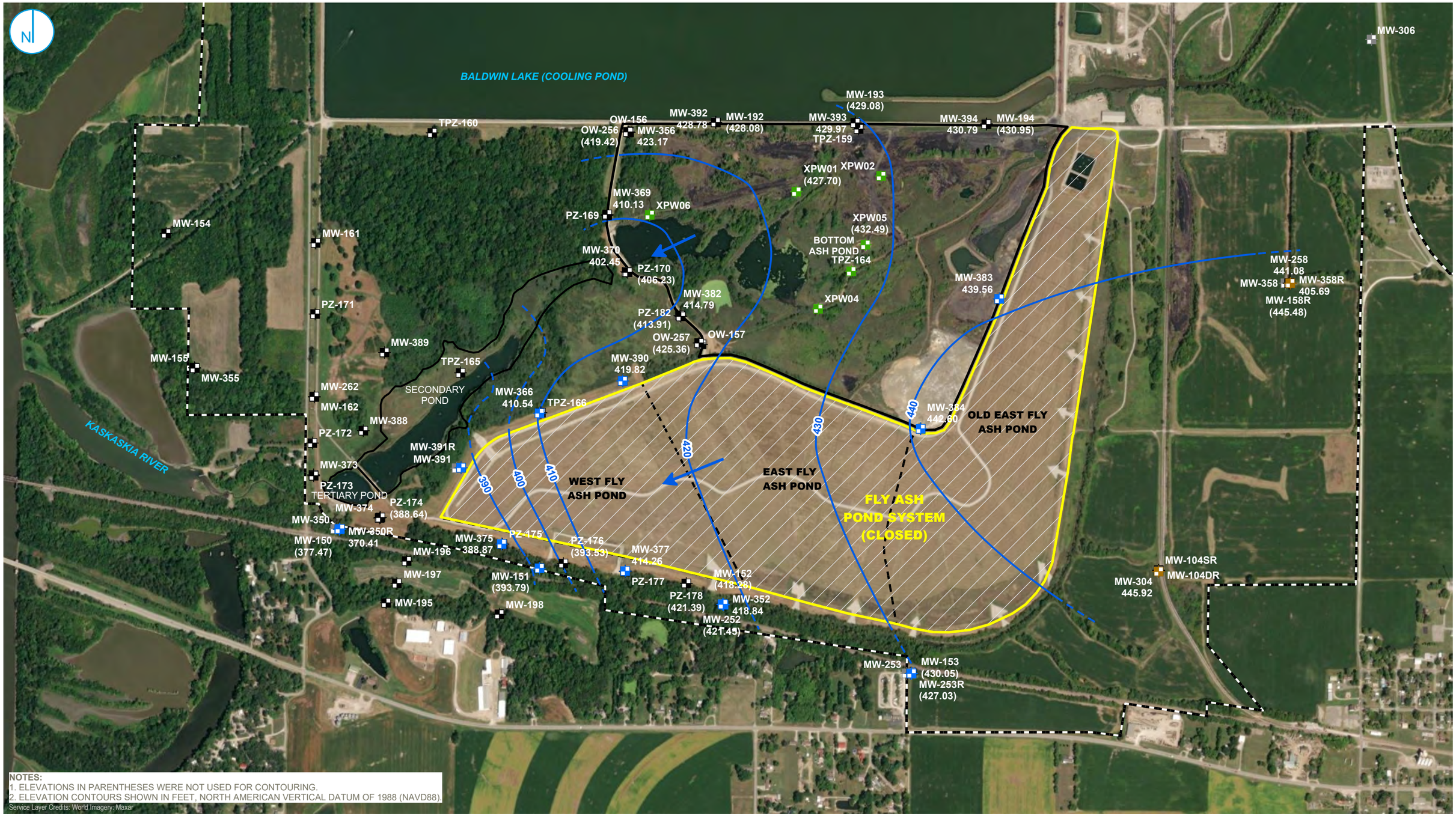
FIGURE 14

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22851MXD\GW_Contours\Round_2024\Baldwin\FAPS_605\FAPS_605_2024 aprx\BAL 605 FAPS Pot Surface 20241110

PROJECT: 1690000XXXX | DATED: 1/21/2025 | 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)
- SITE FEATURE
- CAPPED AREA
- PROPERTY BOUNDARY

POTENTIOMETRIC SURFACE MAP DECEMBER 10 AND 11, 2024

2024 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
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
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-150	Compliance	PMP	01/10/2024	19.85	376.86
MW-150	Compliance	PMP	02/05/2024	19.45	377.26
MW-150	Compliance	PMP	03/15/2024	19.29	377.41
MW-150	Compliance	PMP	04/15/2024	18.76	377.95
MW-150	Compliance	PMP	05/15/2024	17.76	378.94
MW-150	Compliance	PMP	06/15/2024	19.64	377.06
MW-150	Compliance	PMP	07/15/2024	18.10	378.61
MW-150	Compliance	PMP	08/14/2024	DM[7]	
MW-150	Compliance	PMP	09/14/2024	DM[7]	
MW-150	Compliance	PMP	10/14/2024	20.25	376.68
MW-150	Compliance	PMP	11/10/2024	19.21	377.71
MW-150	Compliance	PMP	12/10/2024	19.46	377.47
MW-151	Compliance	PMP	01/10/2024	6.95	393.18
MW-151	Compliance	PMP	02/05/2024	6.54	393.59
MW-151	Compliance	PMP	03/15/2024	6.58	393.54
MW-151	Compliance	PMP	04/15/2024	5.99	394.14
MW-151	Compliance	PMP	05/15/2024	4.98	395.14
MW-151	Compliance	PMP	06/15/2024	DM[7]	
MW-151	Compliance	PMP	07/15/2024	6.39	393.74
MW-151	Compliance	PMP	08/14/2024	DM[7]	
MW-151	Compliance	PMP	09/14/2024	DM[7]	
MW-151	Compliance	PMP	10/14/2024	7.12	393.10
MW-151	Compliance	PMP	11/10/2024	DM[7]	
MW-151	Compliance	PMP	12/10/2024	6.43	393.79
MW-152	Compliance	PMP	01/10/2024	7.03	418.13
MW-152	Compliance	PMP	02/05/2024	5.69	419.47
MW-152	Compliance	PMP	03/15/2024	6.05	419.10
MW-152	Compliance	PMP	04/15/2024	5.91	419.25
MW-152	Compliance	PMP	05/15/2024	5.54	419.61
MW-152	Compliance	PMP	06/15/2024	7.31	417.84
MW-152	Compliance	PMP	07/15/2024	6.89	418.27
MW-152	Compliance	PMP	08/14/2024	8.09	417.01
MW-152	Compliance	PMP	09/14/2024	8.75	416.35
MW-152	Compliance	PMP	10/14/2024	7.99	417.12
MW-152	Compliance	PMP	11/10/2024	6.29	418.81
MW-152	Compliance	PMP	12/10/2024	6.83	418.28
MW-153	Compliance	PMP	01/10/2024	16.02	429.82
MW-153	Compliance	PMP	02/05/2024	15.02	430.82
MW-153	Compliance	PMP	03/15/2024	14.54	431.29
MW-153	Compliance	PMP	04/15/2024	12.84	433.00
MW-153	Compliance	PMP	05/15/2024	DM[7]	
MW-153	Compliance	PMP	06/15/2024	DM[7]	
MW-153	Compliance	PMP	07/15/2024	13.89	431.95
MW-153	Compliance	PMP	08/14/2024	15.51	430.33
MW-153	Compliance	PMP	09/14/2024	16.94	428.90
MW-153	Compliance	PMP	10/14/2024	16.02	429.83

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-153	Compliance	PMP	11/10/2024	14.16	431.68
MW-153	Compliance	PMP	12/11/2024	15.80	430.05
MW-252	Compliance	PMP	01/10/2024	3.23	422.01
MW-252	Compliance	PMP	02/05/2024	3.21	422.03
MW-252	Compliance	PMP	03/15/2024	3.58	421.65
MW-252	Compliance	PMP	04/15/2024	3.50	421.74
MW-252	Compliance	PMP	05/15/2024	3.01	422.22
MW-252	Compliance	PMP	06/15/2024	3.18	422.05
MW-252	Compliance	PMP	07/15/2024	3.26	421.98
MW-252	Compliance	PMP	08/14/2024	3.47	421.63
MW-252	Compliance	PMP	09/14/2024	3.77	421.33
MW-252	Compliance	PMP	10/14/2024	3.82	421.29
MW-252	Compliance	PMP	11/10/2024	3.52	421.58
MW-252	Compliance	PMP	12/10/2024	3.66	421.45
MW-253	Compliance	PMP	01/10/2024	16.58	429.43
MW-253	Compliance	PMP	02/05/2024	15.90	430.11
MW-253	Compliance	PMP	03/15/2024	16.15	429.85
MW-253	Compliance	PMP	04/15/2024	15.26	430.75
MW-253R	Compliance	PMP	07/15/2024	18.77	426.89
MW-253R	Compliance	PMP	08/14/2024	21.96	423.69
MW-253R	Compliance	PMP	09/14/2024	25.05	420.60
MW-253R	Compliance	PMP	10/14/2024	21.40	424.26
MW-253R	Compliance	PMP	11/10/2024	23.21	422.45
MW-253R	Compliance	PMP	12/11/2024	18.63	427.03
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-350	Compliance	UA	01/10/2024	24.54	372.43
MW-350	Compliance	UA	02/05/2024	24.32	372.65
MW-350	Compliance	UA	03/15/2024	24.55	372.41
MW-350	Compliance	UA	04/15/2024	23.98	372.99
MW-350R	Compliance	UA	07/15/2024	27.22	NA
MW-350R	Compliance	UA	08/14/2024	28.59	367.70

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-350R	Compliance	UA	09/14/2024	25.83	370.46
MW-350R	Compliance	UA	10/14/2024	24.94	371.36
MW-350R	Compliance	UA	11/10/2024	DM[7]	
MW-350R	Compliance	UA	12/10/2024	25.89	370.41
MW-352	Compliance	UA	01/10/2024	6.09	419.12
MW-352	Compliance	UA	02/05/2024	4.51	420.70
MW-352	Compliance	UA	03/15/2024	6.51	418.69
MW-352	Compliance	UA	04/15/2024	3.80	421.41
MW-352	Compliance	UA	05/15/2024	8.33	416.87
MW-352	Compliance	UA	06/15/2024	4.83	420.37
MW-352	Compliance	UA	07/15/2024	2.62	422.59
MW-352	Compliance	UA	08/14/2024	DM[7]	
MW-352	Compliance	UA	09/14/2024	DM[7]	
MW-352	Compliance	UA	10/14/2024	4.39	420.54
MW-352	Compliance	UA	11/10/2024	DM[7]	
MW-352	Compliance	UA	12/10/2024	6.09	418.84
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-366	Compliance	UA	01/10/2024	DM[1]	
MW-366	Compliance	UA	02/05/2024	14.35	410.90
MW-366	Compliance	UA	03/15/2024	DM[1]	
MW-366	Compliance	UA	04/15/2024	16.85	408.40
MW-366	Compliance	UA	05/15/2024	12.63	412.61
MW-366	Compliance	UA	06/15/2024	13.70	411.54
MW-366	Compliance	UA	07/15/2024	14.58	410.67
MW-366	Compliance	UA	08/14/2024	15.87	409.20
MW-366	Compliance	UA	09/14/2024	15.90	409.17
MW-366	Compliance	UA	10/14/2024	15.38	409.70
MW-366	Compliance	UA	11/10/2024	14.21	410.86
MW-366	Compliance	UA	12/10/2024	14.54	410.54
MW-375	Compliance	UA	01/10/2024	34.51	388.71
MW-375	Compliance	UA	02/05/2024	34.01	389.21
MW-375	Compliance	UA	03/15/2024	34.94	388.27
MW-375	Compliance	UA	04/15/2024	34.90	388.32
MW-375	Compliance	UA	05/15/2024	32.52	390.69
MW-375	Compliance	UA	06/15/2024	33.28	389.93
MW-375	Compliance	UA	07/15/2024	33.22	390.00
MW-375	Compliance	UA	08/14/2024	33.88	388.98

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-375	Compliance	UA	09/14/2024	34.89	387.97
MW-375	Compliance	UA	10/14/2024	35.01	387.86
MW-375	Compliance	UA	11/10/2024	DM[7]	
MW-375	Compliance	UA	12/10/2024	34.00	388.87
MW-377	Compliance	UA	01/10/2024	6.76	414.77
MW-377	Compliance	UA	02/05/2024	6.76	414.77
MW-377	Compliance	UA	03/15/2024	6.62	414.90
MW-377	Compliance	UA	04/15/2024	6.60	414.93
MW-377	Compliance	UA	05/15/2024	6.22	415.30
MW-377	Compliance	UA	06/15/2024	6.49	415.03
MW-377	Compliance	UA	07/15/2024	6.57	414.96
MW-377	Compliance	UA	08/14/2024	7.00	414.23
MW-377	Compliance	UA	09/14/2024	7.32	413.91
MW-377	Compliance	UA	10/14/2024	7.32	413.92
MW-377	Compliance	UA	11/10/2024	6.97	414.26
MW-377	Compliance	UA	12/10/2024	6.98	414.26
MW-383	Compliance	UA	01/10/2024	19.50	440.16
MW-383	Compliance	UA	02/05/2024	19.63	440.03
MW-383	Compliance	UA	03/15/2024	20.22	439.43
MW-383	Compliance	UA	04/15/2024	20.55	439.11
MW-383	Compliance	UA	05/15/2024	20.37	439.28
MW-383	Compliance	UA	06/15/2024	19.92	439.73
MW-383	Compliance	UA	07/15/2024	20.09	439.57
MW-383	Compliance	UA	08/14/2024	21.95	437.59
MW-383	Compliance	UA	09/14/2024	19.86	439.68
MW-383	Compliance	UA	10/14/2024	19.93	439.62
MW-383	Compliance	UA	11/10/2024	20.42	439.12
MW-383	Compliance	UA	12/10/2024	19.99	439.56
MW-384	Compliance	UA	01/10/2024	16.06	443.06
MW-384	Compliance	UA	02/05/2024	15.98	443.14
MW-384	Compliance	UA	03/15/2024	16.18	442.93
MW-384	Compliance	UA	04/15/2024	16.28	442.84
MW-384	Compliance	UA	05/15/2024	16.07	443.04
MW-384	Compliance	UA	06/15/2024	16.15	442.96
MW-384	Compliance	UA	07/15/2024	16.02	443.10
MW-384	Compliance	UA	08/14/2024	15.97	442.89
MW-384	Compliance	UA	09/14/2024	16.02	442.84
MW-384	Compliance	UA	10/14/2024	16.26	442.61
MW-384	Compliance	UA	11/10/2024	15.84	443.02
MW-384	Compliance	UA	12/10/2024	16.27	442.60
MW-390	Compliance	UA	01/10/2024	DM[1]	
MW-390	Compliance	UA	02/05/2024	8.19	419.63
MW-390	Compliance	UA	03/15/2024	DM[1]	
MW-390	Compliance	UA	04/15/2024	6.81	421.01
MW-390	Compliance	UA	05/15/2024	8.55	419.26
MW-390	Compliance	UA	06/15/2024	9.73	418.08

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

Well ID	Well Type	Monitored Unit	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
MW-390	Compliance	UA	07/15/2024	8.65	419.17
MW-390	Compliance	UA	08/14/2024	9.03	418.56
MW-390	Compliance	UA	09/14/2024	DM[7]	
MW-390	Compliance	UA	10/14/2024	8.72	418.88
MW-390	Compliance	UA	11/10/2024	7.49	420.10
MW-390	Compliance	UA	12/10/2024	7.78	419.82
MW-391	Compliance	UA	01/10/2024	70.56	356.24
MW-391	Compliance	UA	02/05/2024	Dry	
MW-391	Compliance	UA	03/15/2024	71.61	355.18
MW-391	Compliance	UA	04/15/2024	Dry	
MW-391	Compliance	UA	05/15/2024	Dry	
MW-391	Compliance	UA	06/15/2024	66.28	360.18
MW-391	Compliance	UA	07/15/2024	66.41	360.39
MW-391R	Compliance	UA	10/14/2024	62.30	NA
MW-391R	Compliance	UA	11/10/2024	DM[1]	
MW-391R	Compliance	UA	12/10/2024	69.72	NA

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:
PMP = potential migration pathway
UA = uppermost aquifer

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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 Fly Ash Pond System; W1578510001-01, -02, -03
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 Fly Ash Pond System Alternative Source Demonstration dated February 8, 2024

Based on the provided evidence, the Illinois EPA concurs that the pH exceedance found in MW-253 does not come from the Baldwin Power Plant Fly Ash Pond System. The Illinois EPA also concurs that the likely source of the exceedance comes from grout contamination. 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

ATTACHMENT C
COMPARISON TO BACKGROUND

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-150	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.00230
MW-150	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.00578
MW-150	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.0141	0.261
MW-150	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
MW-150	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	3.22	2.23
MW-150	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
MW-150	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	48.6	1,370
MW-150	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0015	0.0125
MW-150	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.00220
MW-150	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.647	3.36
MW-150	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.00220
MW-150	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.038	0.123
MW-150	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0002	0.0002
MW-150	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	5	40	CI around median (Last Sample, n<7)	0.0018	0.0782
MW-150	PMP	E004	pH (field)	SU	03/22/16 - 02/07/24	33	0	CB around T-S line	6.9/7.0	7.3/8.4
MW-150	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	5	0	CI around mean	-0.258	4.14
MW-150	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.00320
MW-150	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	797	228
MW-150	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.002	0.002
MW-150	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	33	0	CB around linear reg	1,650	3,260
MW-151	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.00230
MW-151	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	6	50	CI around geomean	0.000973	0.00578
MW-151	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around geomean	0.045	0.261
MW-151	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	6	83	CI around median (Last Sample, n<7)	0.001	0.001
MW-151	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.311	2.23
MW-151	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.001
MW-151	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	35.6	1,370

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-151	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	6	17	CI around mean	-0.00179	0.0125
MW-151	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	6	33	CI around mean	-0.00251	0.00220
MW-151	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.494	3.36
MW-151	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	6	17	CI around mean	-0.0036	0.00220
MW-151	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.0229	0.123
MW-151	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0002	0.0002
MW-151	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0015	0.0782
MW-151	PMP	E004	pH (field)	SU	03/16/17 - 02/07/24	30	0	CI around mean	6.9/7.0	7.3/8.4
MW-151	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	6	0	CI around mean	-0.245	4.14
MW-151	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.00320
MW-151	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	65	228
MW-151	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.002	0.002
MW-151	PMP	E004	Total Dissolved Solids	mg/L	03/16/17 - 02/07/24	30	0	CI around mean	544	3,260
MW-152	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.00230
MW-152	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	0.000357	0.00578
MW-152	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.00422	0.261
MW-152	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
MW-152	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	-5.36	2.23
MW-152	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
MW-152	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	-3.81	1,370
MW-152	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	5.96e-05	0.0125
MW-152	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	0.000344	0.00220
MW-152	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.229	3.36
MW-152	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	-0.000133	0.00220
MW-152	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	5	20	CI around mean	0.00489	0.123
MW-152	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0002	0.0002
MW-152	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0015	0.0782

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-152	PMP	E004	pH (field)	SU	03/22/16 - 02/07/24	33	0	CI around median	6.7/6.9	7.3/8.4
MW-152	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	5	0	CI around mean	-0.146	4.14
MW-152	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.00320
MW-152	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	105	228
MW-152	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.002	0.002
MW-152	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	33	0	CB around linear reg	572	3,260
MW-153	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.001	0.00230
MW-153	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.001	0.00578
MW-153	PMP	E004	Barium, total	mg/L	03/15/23 - 02/08/24	6	0	CI around median (Last Sample, n<7)	0.0376	0.261
MW-153	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.001	0.001
MW-153	PMP	E004	Boron, total	mg/L	03/15/23 - 02/08/24	6	71	CI around median (Last Sample, n<7)	0.025	2.23
MW-153	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.001	0.001
MW-153	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	14.8	1,370
MW-153	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.0015	0.0125
MW-153	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00220
MW-153	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	0.353	3.36
MW-153	PMP	E004	Lead, total	mg/L	03/15/23 - 02/08/24	6	83	CI around median (Last Sample, n<7)	0.001	0.00220
MW-153	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/08/24	6	17	CI around mean	0.00313	0.123
MW-153	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.0002	0.0002
MW-153	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.0015	0.0782
MW-153	PMP	E004	pH (field)	SU	03/22/16 - 02/08/24	34	0	CI around median	7.0/7.2	7.3/8.4
MW-153	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/08/24	6	0	CI around geomean	0.355	4.14
MW-153	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	0.00215	0.00320
MW-153	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/08/24	6	0	CI around mean	59	228
MW-153	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/08/24	6	100	All ND - Last	0.002	0.002
MW-153	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/08/24	34	0	CI around median	368	3,260
MW-252	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	5	20	CI around mean	0.000514	0.00230

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-252	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.00578
MW-252	PMP	E004	Barium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.0264	0.261
MW-252	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
MW-252	PMP	E004	Boron, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.115	2.23
MW-252	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.001
MW-252	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around median (Last Sample, n<7)	37	1,370
MW-252	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	5	40	CI around mean	0.000694	0.0125
MW-252	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	5	20	CI around mean	0.000772	0.00220
MW-252	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.186	3.36
MW-252	PMP	E004	Lead, total	mg/L	03/15/23 - 02/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.00220
MW-252	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	0.0104	0.123
MW-252	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0002	0.0002
MW-252	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.0015	0.0782
MW-252	PMP	E004	pH (field)	SU	03/22/16 - 02/07/24	33	0	CI around median	6.8/7.0	7.3/8.4
MW-252	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	5	0	CI around mean	-0.702	4.14
MW-252	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.001	0.00320
MW-252	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	5	0	CI around mean	421	228
MW-252	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	5	100	All ND - Last	0.002	0.002
MW-252	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	33	0	CB around linear reg	1,100	3,260
MW-253	PMP	E004	Antimony, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.00230
MW-253	PMP	E004	Arsenic, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.00578
MW-253	PMP	E004	Barium, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	-0.0226	0.261
MW-253	PMP	E004	Beryllium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.001
MW-253	PMP	E004	Boron, total	mg/L	03/15/23 - 02/08/24	4	20	CI around mean	0.0111	2.23
MW-253	PMP	E004	Cadmium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.001
MW-253	PMP	E004	Chloride, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	20.2	1,370
MW-253	PMP	E004	Chromium, total	mg/L	03/15/23 - 02/08/24	4	50	CI around mean	0.00037	0.0125

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-253	PMP	E004	Cobalt, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.00220
MW-253	PMP	E004	Fluoride, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	0.114	3.36
MW-253	PMP	E004	Lead, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.00220
MW-253	PMP	E004	Lithium, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	0.0152	0.123
MW-253	PMP	E004	Mercury, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.0002	0.0002
MW-253	PMP	E004	Molybdenum, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	0.00574	0.0782
MW-253	PMP	E004	pH (field)	SU	03/22/16 - 02/08/24	32	0	CI around mean	11.2/11.7	7.3/8.4
MW-253	PMP	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/08/24	4	0	CI around mean	0.466	4.14
MW-253	PMP	E004	Selenium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.001	0.00320
MW-253	PMP	E004	Sulfate, total	mg/L	03/15/23 - 02/08/24	4	0	CI around mean	120	228
MW-253	PMP	E004	Thallium, total	mg/L	03/15/23 - 02/08/24	4	100	All ND - Last	0.002	0.002
MW-253	PMP	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/08/24	32	0	CI around mean	441	3,260
MW-350	UA	E004	Antimony, total	mg/L	03/26/20 - 02/07/24	11	9	CI around mean	0.00105	0.00230
MW-350	UA	E004	Arsenic, total	mg/L	03/26/20 - 02/07/24	11	91	CI around median	0.001	0.00578
MW-350	UA	E004	Barium, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	0.19	0.261
MW-350	UA	E004	Beryllium, total	mg/L	03/26/20 - 02/07/24	9	100	All ND - Last	0.001	0.001
MW-350	UA	E004	Boron, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	0.533	2.23
MW-350	UA	E004	Cadmium, total	mg/L	03/26/20 - 02/07/24	9	100	All ND - Last	0.001	0.001
MW-350	UA	E004	Chloride, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	42.9	1,370
MW-350	UA	E004	Chromium, total	mg/L	03/26/20 - 02/07/24	11	54	CB around T-S line	0.0015	0.0125
MW-350	UA	E004	Cobalt, total	mg/L	03/26/20 - 02/07/24	11	100	All ND - Last	0.001	0.00220
MW-350	UA	E004	Fluoride, total	mg/L	03/26/20 - 02/07/24	11	0	CI around mean	0.136	3.36
MW-350	UA	E004	Lead, total	mg/L	03/26/20 - 02/07/24	11	64	CI around median	0.001	0.00220
MW-350	UA	E004	Lithium, total	mg/L	06/25/19 - 02/07/24	13	0	CI around mean	0.0733	0.123
MW-350	UA	E004	Mercury, total	mg/L	03/26/20 - 02/07/24	9	100	All ND - Last	0.0002	0.0002
MW-350	UA	E004	Molybdenum, total	mg/L	03/26/20 - 02/07/24	11	9	CI around mean	0.0025	0.0782
MW-350	UA	E004	pH (field)	SU	03/22/16 - 02/07/24	36	0	CB around T-S line	9.8/10.9	7.3/8.4

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-350	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/26/20 - 02/07/24	11	0	CI around mean	0.956	4.14
MW-350	UA	E004	Selenium, total	mg/L	03/26/20 - 02/07/24	11	100	All ND - Last	0.001	0.00320
MW-350	UA	E004	Sulfate, total	mg/L	03/26/20 - 02/07/24	11	8	CI around mean	72.6	228
MW-350	UA	E004	Thallium, total	mg/L	03/26/20 - 02/07/24	11	100	All ND - Last	0.002	0.002
MW-350	UA	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	34	0	CB around linear reg	156	3,260
MW-352	UA	E004	Antimony, total	mg/L	03/15/23 - 02/07/24	6	83	CI around median (Last Sample, n<7)	0.002	0.00230
MW-352	UA	E004	Arsenic, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.00578
MW-352	UA	E004	Barium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around median (Last Sample, n<7)	0.0839	0.261
MW-352	UA	E004	Beryllium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.001
MW-352	UA	E004	Boron, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	1.78	2.23
MW-352	UA	E004	Cadmium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.001
MW-352	UA	E004	Chloride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	540	1,370
MW-352	UA	E004	Chromium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0015	0.0125
MW-352	UA	E004	Cobalt, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.00220
MW-352	UA	E004	Fluoride, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	1.28	3.36
MW-352	UA	E004	Lead, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.00220
MW-352	UA	E004	Lithium, total	mg/L	03/15/23 - 02/07/24	6	0	CI around mean	0.0812	0.123
MW-352	UA	E004	Mercury, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0002	0.0002
MW-352	UA	E004	Molybdenum, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.0015	0.0782
MW-352	UA	E004	pH (field)	SU	03/22/16 - 02/07/24	34	0	CB around T-S line	7.2/7.4	7.3/8.4
MW-352	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 02/07/24	6	0	CI around mean	0.684	4.14
MW-352	UA	E004	Selenium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.001	0.00320
MW-352	UA	E004	Sulfate, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	10	228
MW-352	UA	E004	Thallium, total	mg/L	03/15/23 - 02/07/24	6	100	All ND - Last	0.002	0.002
MW-352	UA	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/07/24	34	0	CI around median	1,130	3,260
MW-366	UA	E004	Antimony, total	mg/L	01/20/16 - 02/07/24	23	100	All ND - Last	0.001	0.00230
MW-366	UA	E004	Arsenic, total	mg/L	01/20/16 - 02/07/24	23	96	CI around median	0.001	0.00578

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-366	UA	E004	Barium, total	mg/L	01/20/16 - 02/07/24	23	0	CB around linear reg	0.0208	0.261
MW-366	UA	E004	Beryllium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.001
MW-366	UA	E004	Boron, total	mg/L	01/20/16 - 02/07/24	24	0	CI around geomean	1.53	2.23
MW-366	UA	E004	Cadmium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.001
MW-366	UA	E004	Chloride, total	mg/L	01/20/16 - 02/07/24	24	0	CB around linear reg	48.2	1,370
MW-366	UA	E004	Chromium, total	mg/L	01/20/16 - 02/07/24	23	100	All ND - Last	0.0015	0.0125
MW-366	UA	E004	Cobalt, total	mg/L	01/20/16 - 02/07/24	21	81	CI around median	0.001	0.00220
MW-366	UA	E004	Fluoride, total	mg/L	01/20/16 - 02/07/24	24	0	CB around linear reg	0.125	3.36
MW-366	UA	E004	Lead, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.001	0.00220
MW-366	UA	E004	Lithium, total	mg/L	01/20/16 - 02/07/24	23	4	CB around linear reg	0.00203	0.123
MW-366	UA	E004	Mercury, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.0002	0.0002
MW-366	UA	E004	Molybdenum, total	mg/L	01/20/16 - 02/07/24	23	4	CI around mean	0.00283	0.0782
MW-366	UA	E004	pH (field)	SU	01/20/16 - 02/07/24	24	0	CB around linear reg	6.6/6.9	7.3/8.4
MW-366	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 02/07/24	23	0	CI around geomean	0.437	4.14
MW-366	UA	E004	Selenium, total	mg/L	01/20/16 - 02/07/24	23	96	CI around median	0.001	0.00320
MW-366	UA	E004	Sulfate, total	mg/L	01/20/16 - 02/07/24	24	0	CB around linear reg	579	228
MW-366	UA	E004	Thallium, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.002	0.002
MW-366	UA	E004	Total Dissolved Solids	mg/L	01/20/16 - 02/07/24	23	0	CB around linear reg	1,270	3,260
MW-375	UA	E004	Antimony, total	mg/L	01/20/16 - 02/07/24	23	30	CB around T-S line	9.93e-05	0.00230
MW-375	UA	E004	Arsenic, total	mg/L	01/20/16 - 02/07/24	23	4	CI around median	0.0014	0.00578
MW-375	UA	E004	Barium, total	mg/L	01/20/16 - 02/07/24	23	0	CI around mean	0.0243	0.261
MW-375	UA	E004	Beryllium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.001
MW-375	UA	E004	Boron, total	mg/L	01/20/16 - 02/07/24	24	0	CB around T-S line	1.4	2.23
MW-375	UA	E004	Cadmium, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.001	0.001
MW-375	UA	E004	Chloride, total	mg/L	01/20/16 - 02/07/24	24	0	CI around mean	92.3	1,370
MW-375	UA	E004	Chromium, total	mg/L	01/20/16 - 02/07/24	23	100	All ND - Last	0.0015	0.0125
MW-375	UA	E004	Cobalt, total	mg/L	01/20/16 - 02/07/24	21	100	All ND - Last	0.001	0.00220

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-375	UA	E004	Fluoride, total	mg/L	01/20/16 - 02/07/24	24	0	CI around mean	2.23	3.36
MW-375	UA	E004	Lead, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.001	0.00220
MW-375	UA	E004	Lithium, total	mg/L	01/20/16 - 02/07/24	23	0	CB around linear reg	0.0694	0.123
MW-375	UA	E004	Mercury, total	mg/L	01/20/16 - 02/07/24	18	100	All ND - Last	0.0002	0.0002
MW-375	UA	E004	Molybdenum, total	mg/L	01/20/16 - 02/07/24	23	0	CI around mean	0.0249	0.0782
MW-375	UA	E004	pH (field)	SU	01/20/16 - 02/07/24	24	0	CB around T-S line	7.6/7.8	7.3/8.4
MW-375	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 02/07/24	23	0	CI around median	0.248	4.14
MW-375	UA	E004	Selenium, total	mg/L	01/20/16 - 02/07/24	23	91	CI around median	0.001	0.00320
MW-375	UA	E004	Sulfate, total	mg/L	01/20/16 - 02/07/24	24	0	CI around mean	116	228
MW-375	UA	E004	Thallium, total	mg/L	01/20/16 - 02/07/24	20	100	All ND - Last	0.002	0.002
MW-375	UA	E004	Total Dissolved Solids	mg/L	01/20/16 - 02/07/24	24	0	CI around median	910	3,260
MW-377	UA	E004	Antimony, total	mg/L	01/19/16 - 02/07/24	23	100	All ND - Last	0.001	0.00230
MW-377	UA	E004	Arsenic, total	mg/L	01/19/16 - 02/07/24	23	78	CI around median	0.001	0.00578
MW-377	UA	E004	Barium, total	mg/L	01/19/16 - 02/07/24	23	0	CI around mean	0.0601	0.261
MW-377	UA	E004	Beryllium, total	mg/L	01/19/16 - 02/07/24	18	100	All ND - Last	0.001	0.001
MW-377	UA	E004	Boron, total	mg/L	01/19/16 - 02/07/24	24	0	CI around mean	1.67	2.23
MW-377	UA	E004	Cadmium, total	mg/L	01/19/16 - 02/07/24	18	100	All ND - Last	0.001	0.001
MW-377	UA	E004	Chloride, total	mg/L	01/19/16 - 02/07/24	24	0	CB around linear reg	95	1,370
MW-377	UA	E004	Chromium, total	mg/L	01/19/16 - 02/07/24	23	96	CB around T-S line	0.00143	0.0125
MW-377	UA	E004	Cobalt, total	mg/L	01/19/16 - 02/07/24	21	95	CI around median	0.001	0.00220
MW-377	UA	E004	Fluoride, total	mg/L	01/19/16 - 02/07/24	24	0	CB around linear reg	1.15	3.36
MW-377	UA	E004	Lead, total	mg/L	01/19/16 - 02/07/24	20	100	All ND - Last	0.001	0.00220
MW-377	UA	E004	Lithium, total	mg/L	01/19/16 - 02/07/24	23	0	CB around linear reg	0.0576	0.123
MW-377	UA	E004	Mercury, total	mg/L	01/19/16 - 02/07/24	18	100	All ND - Last	0.0002	0.0002
MW-377	UA	E004	Molybdenum, total	mg/L	01/19/16 - 02/07/24	23	65	CB around T-S line	0.000678	0.0782
MW-377	UA	E004	pH (field)	SU	01/19/16 - 02/07/24	24	0	CI around median	7.1/7.2	7.3/8.4
MW-377	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 02/07/24	23	0	CI around mean	0.377	4.14

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-377	UA	E004	Selenium, total	mg/L	01/19/16 - 02/07/24	23	100	All ND - Last	0.001	0.00320
MW-377	UA	E004	Sulfate, total	mg/L	01/19/16 - 02/07/24	24	0	CI around median	39	228
MW-377	UA	E004	Thallium, total	mg/L	01/19/16 - 02/07/24	20	100	All ND - Last	0.002	0.002
MW-377	UA	E004	Total Dissolved Solids	mg/L	01/19/16 - 02/07/24	24	0	CI around mean	600	3,260
MW-383	UA	E004	Antimony, total	mg/L	01/21/16 - 02/06/24	23	87	CB around T-S line	0.000808	0.00230
MW-383	UA	E004	Arsenic, total	mg/L	01/21/16 - 02/06/24	23	78	CI around median	0.001	0.00578
MW-383	UA	E004	Barium, total	mg/L	01/21/16 - 02/06/24	23	0	CB around T-S line	0.0453	0.261
MW-383	UA	E004	Beryllium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-383	UA	E004	Boron, total	mg/L	01/21/16 - 02/06/24	24	0	CI around median	1.34	2.23
MW-383	UA	E004	Cadmium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-383	UA	E004	Chloride, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	42.7	1,370
MW-383	UA	E004	Chromium, total	mg/L	01/21/16 - 02/06/24	23	91	CB around T-S line	0.00146	0.0125
MW-383	UA	E004	Cobalt, total	mg/L	01/21/16 - 02/06/24	21	100	All ND - Last	0.001	0.00220
MW-383	UA	E004	Fluoride, total	mg/L	01/21/16 - 02/06/24	24	0	CI around mean	0.732	3.36
MW-383	UA	E004	Lead, total	mg/L	01/21/16 - 02/06/24	20	95	CI around median	0.001	0.00220
MW-383	UA	E004	Lithium, total	mg/L	01/21/16 - 02/06/24	23	0	CI around mean	0.0336	0.123
MW-383	UA	E004	Mercury, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.0002	0.0002
MW-383	UA	E004	Molybdenum, total	mg/L	01/21/16 - 02/06/24	23	0	CI around mean	0.0106	0.0782
MW-383	UA	E004	pH (field)	SU	01/21/16 - 02/06/24	24	0	CB around linear reg	7.4/7.6	7.3/8.4
MW-383	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 02/06/24	23	0	CI around geomean	0.256	4.14
MW-383	UA	E004	Selenium, total	mg/L	01/21/16 - 02/06/24	23	96	CI around median	0.001	0.00320
MW-383	UA	E004	Sulfate, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	148	228
MW-383	UA	E004	Thallium, total	mg/L	01/21/16 - 02/06/24	20	100	All ND - Last	0.002	0.002
MW-383	UA	E004	Total Dissolved Solids	mg/L	01/21/16 - 02/06/24	24	0	CI around mean	877	3,260
MW-384	UA	E004	Antimony, total	mg/L	01/21/16 - 02/06/24	23	100	All ND - Last	0.001	0.00230
MW-384	UA	E004	Arsenic, total	mg/L	01/21/16 - 02/06/24	23	100	All ND - Last	0.001	0.00578
MW-384	UA	E004	Barium, total	mg/L	01/21/16 - 02/06/24	23	0	CB around T-S line	0.0307	0.261

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-384	UA	E004	Beryllium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-384	UA	E004	Boron, total	mg/L	01/21/16 - 02/06/24	24	0	CI around median	1.43	2.23
MW-384	UA	E004	Cadmium, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-384	UA	E004	Chloride, total	mg/L	01/21/16 - 02/06/24	24	0	CB around T-S line	429	1,370
MW-384	UA	E004	Chromium, total	mg/L	01/21/16 - 02/06/24	23	91	CB around T-S line	0.00146	0.0125
MW-384	UA	E004	Cobalt, total	mg/L	01/21/16 - 02/06/24	21	95	Most recent sample	0.001	0.00220
MW-384	UA	E004	Fluoride, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	3.97	3.36
MW-384	UA	E004	Lead, total	mg/L	01/21/16 - 02/06/24	20	95	CI around median	0.001	0.00220
MW-384	UA	E004	Lithium, total	mg/L	01/21/16 - 02/06/24	23	0	CB around linear reg	0.0425	0.123
MW-384	UA	E004	Mercury, total	mg/L	01/21/16 - 02/06/24	18	100	All ND - Last	0.0002	0.0002
MW-384	UA	E004	Molybdenum, total	mg/L	01/21/16 - 02/06/24	23	0	CI around mean	0.018	0.0782
MW-384	UA	E004	pH (field)	SU	01/21/16 - 02/06/24	24	0	CB around T-S line	7.9/8.1	7.3/8.4
MW-384	UA	E004	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 02/06/24	23	0	CI around geomean	0.363	4.14
MW-384	UA	E004	Selenium, total	mg/L	01/21/16 - 02/06/24	23	100	All ND - Last	0.001	0.00320
MW-384	UA	E004	Sulfate, total	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	-3.4	228
MW-384	UA	E004	Thallium, total	mg/L	01/21/16 - 02/06/24	20	100	All ND - Last	0.002	0.002
MW-384	UA	E004	Total Dissolved Solids	mg/L	01/21/16 - 02/06/24	24	0	CB around linear reg	1,480	3,260
MW-390	UA	E004	Antimony, total	mg/L	03/22/16 - 02/06/24	23	96	CI around median	0.001	0.00230
MW-390	UA	E004	Arsenic, total	mg/L	03/22/16 - 02/06/24	23	9	CI around geomean	0.00128	0.00578
MW-390	UA	E004	Barium, total	mg/L	03/22/16 - 02/06/24	23	0	CI around mean	0.0448	0.261
MW-390	UA	E004	Beryllium, total	mg/L	03/22/16 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-390	UA	E004	Boron, total	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	0.374	2.23
MW-390	UA	E004	Cadmium, total	mg/L	03/22/16 - 02/06/24	18	100	All ND - Last	0.001	0.001
MW-390	UA	E004	Chloride, total	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	61.3	1,370
MW-390	UA	E004	Chromium, total	mg/L	03/22/16 - 02/06/24	23	96	CB around T-S line	0.00145	0.0125
MW-390	UA	E004	Cobalt, total	mg/L	03/22/16 - 02/06/24	21	67	CI around median	0.001	0.00220
MW-390	UA	E004	Fluoride, total	mg/L	03/22/16 - 02/06/24	24	0	CI around median	0.64	3.36

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-390	UA	E004	Lead, total	mg/L	03/22/16 - 02/06/24	20	90	CI around median	0.001	0.00220
MW-390	UA	E004	Lithium, total	mg/L	03/22/16 - 02/06/24	23	4	CI around mean	0.021	0.123
MW-390	UA	E004	Mercury, total	mg/L	03/22/16 - 02/06/24	18	100	All ND - Last	0.0002	0.0002
MW-390	UA	E004	Molybdenum, total	mg/L	03/22/16 - 02/06/24	23	4	CI around geomean	0.0031	0.0782
MW-390	UA	E004	pH (field)	SU	03/22/16 - 02/06/24	24	0	CB around linear reg	6.8/7.2	7.3/8.4
MW-390	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 02/06/24	23	0	CI around geomean	0.57	4.14
MW-390	UA	E004	Selenium, total	mg/L	03/22/16 - 02/06/24	23	91	CI around median	0.001	0.00320
MW-390	UA	E004	Sulfate, total	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	136	228
MW-390	UA	E004	Thallium, total	mg/L	03/22/16 - 02/06/24	20	100	All ND - Last	0.002	0.002
MW-390	UA	E004	Total Dissolved Solids	mg/L	03/22/16 - 02/06/24	24	0	CI around geomean	680	3,260
MW-391	UA	E004	Antimony, total	mg/L	--	--	--	--	--	0.00230
MW-391	UA	E004	Arsenic, total	mg/L	--	--	--	--	--	0.00578
MW-391	UA	E004	Barium, total	mg/L	--	--	--	--	--	0.261
MW-391	UA	E004	Beryllium, total	mg/L	--	--	--	--	--	0.001
MW-391	UA	E004	Boron, total	mg/L	--	--	--	--	--	2.23
MW-391	UA	E004	Cadmium, total	mg/L	--	--	--	--	--	0.001
MW-391	UA	E004	Chloride, total	mg/L	--	--	--	--	--	1,370
MW-391	UA	E004	Chromium, total	mg/L	--	--	--	--	--	0.0125
MW-391	UA	E004	Cobalt, total	mg/L	--	--	--	--	--	0.00220
MW-391	UA	E004	Fluoride, total	mg/L	--	--	--	--	--	3.36
MW-391	UA	E004	Lead, total	mg/L	--	--	--	--	--	0.00220
MW-391	UA	E004	Lithium, total	mg/L	--	--	--	--	--	0.123
MW-391	UA	E004	Mercury, total	mg/L	--	--	--	--	--	0.0002
MW-391	UA	E004	Molybdenum, total	mg/L	--	--	--	--	--	0.0782
MW-391	UA	E004	pH (field)	SU	12/22/16 - 02/09/24	19	0	CI around mean	7.5/7.8	7.3/8.4
MW-391	UA	E004	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 02/09/24	18	0	CI around geomean	0.676	4.14
MW-391	UA	E004	Selenium, total	mg/L	--	--	--	--	--	0.00320

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 1, 2024
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-391	UA	E004	Sulfate, total	mg/L	--	--	--	--	--	228
MW-391	UA	E004	Thallium, total	mg/L	--	--	--	--	--	0.002
MW-391	UA	E004	Total Dissolved Solids	mg/L	--	--	--	--	--	3,260

Notes:
– = no data available
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

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
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-150	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.00230
MW-150	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.00578
MW-150	PMP	E005	Barium, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	0.0146	0.261
MW-150	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
MW-150	PMP	E005	Boron, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	3.28	2.23
MW-150	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.001
MW-150	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	49.2	1,370
MW-150	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.0015	0.0125
MW-150	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.00220
MW-150	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	0.653	3.36
MW-150	PMP	E005	Lead, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.001	0.00220
MW-150	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	0.0425	0.123
MW-150	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.0002	0.0002
MW-150	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/17/24	6	50	CI around median (Last Sample, n<7)	0.0015	0.0782
MW-150	PMP	E005	pH (field)	SU	03/22/16 - 04/17/24	34	0	CB around T-S line	6.9/7.0	7.3/8.4
MW-150	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/17/24	6	0	CI around mean	-0.175	4.14
MW-150	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/17/24	6	67	CI around median (Last Sample, n<7)	0.001	0.00320
MW-150	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/17/24	6	0	CI around mean	823	228
MW-150	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/17/24	6	100	All ND - Last	0.002	0.002
MW-150	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/17/24	34	0	CB around linear reg	1,650	3,260
MW-151	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00230
MW-151	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	7	57	CI around median	0.001	0.00578
MW-151	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around geomean	0.0495	0.261
MW-151	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.0005	0.001
MW-151	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.425	2.23
MW-151	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.001
MW-151	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	36.7	1,370

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-151	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	7	29	CI around mean	-0.00151	0.0125
MW-151	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	7	43	CI around geomean	0.000821	0.00220
MW-151	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.489	3.36
MW-151	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	7	29	CI around geomean	0.000881	0.00220
MW-151	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.024	0.123
MW-151	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0002	0.0002
MW-151	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.0782
MW-151	PMP	E005	pH (field)	SU	03/16/17 - 04/18/24	31	0	CI around mean	6.9/7.0	7.3/8.4
MW-151	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	7	0	CI around mean	-0.147	4.14
MW-151	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00320
MW-151	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	71.7	228
MW-151	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.002	0.002
MW-151	PMP	E005	Total Dissolved Solids	mg/L	03/16/17 - 04/18/24	31	0	CB around linear reg	553	3,260
MW-152	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.00230
MW-152	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	6	33	CI around geomean	0.000806	0.00578
MW-152	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.0107	0.261
MW-152	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.001
MW-152	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	-3.71	2.23
MW-152	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.001
MW-152	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.247	1,370
MW-152	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	6	33	CI around mean	0.00118	0.0125
MW-152	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	6	33	CI around mean	0.000688	0.00220
MW-152	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.227	3.36
MW-152	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	6	33	CI around mean	0.000269	0.00220
MW-152	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	6	17	CI around mean	0.00701	0.123
MW-152	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0002	0.0002
MW-152	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0015	0.0782

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FLY ASH POND SYSTEM
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-152	PMP	E005	pH (field)	SU	03/22/16 - 04/18/24	34	0	CI around median	6.7/6.9	7.3/8.4
MW-152	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	6	0	CI around mean	0.103	4.14
MW-152	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.00320
MW-152	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	249	228
MW-152	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.002	0.002
MW-152	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	34	0	CB around linear reg	561	3,260
MW-153	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00230
MW-153	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00578
MW-153	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around median	0.0335	0.261
MW-153	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.0005	0.001
MW-153	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	7	62	CI around median	0.02	2.23
MW-153	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.001
MW-153	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	15.2	1,370
MW-153	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.0015	0.0125
MW-153	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.001	0.00220
MW-153	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.359	3.36
MW-153	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.001	0.00220
MW-153	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	7	14	CI around mean	0.00284	0.123
MW-153	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0002	0.0002
MW-153	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.0782
MW-153	PMP	E005	pH (field)	SU	03/22/16 - 04/18/24	35	0	CI around median	7.0/7.2	7.3/8.4
MW-153	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	7	0	CI around geomean	0.356	4.14
MW-153	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.00218	0.00320
MW-153	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	59.9	228
MW-153	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.002	0.002
MW-153	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	35	0	CI around median	368	3,260
MW-252	PMP	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	6	17	CI around mean	0.000894	0.00230

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MW-252	PMP	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	6	67	CI around median (Last Sample, n<7)	0.001	0.00578
MW-252	PMP	E005	Barium, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.028	0.261
MW-252	PMP	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.001
MW-252	PMP	E005	Boron, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.132	2.23
MW-252	PMP	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.001
MW-252	PMP	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	36.1	1,370
MW-252	PMP	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	6	50	CI around mean	0.000836	0.0125
MW-252	PMP	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	6	17	CI around mean	0.00099	0.00220
MW-252	PMP	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.195	3.36
MW-252	PMP	E005	Lead, total	mg/L	03/15/23 - 04/18/24	6	67	CI around median (Last Sample, n<7)	0.001	0.00220
MW-252	PMP	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	0.0115	0.123
MW-252	PMP	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0002	0.0002
MW-252	PMP	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.0015	0.0782
MW-252	PMP	E005	pH (field)	SU	03/22/16 - 04/18/24	34	0	CI around median	6.8/6.9	7.3/8.4
MW-252	PMP	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	6	0	CI around mean	-0.389	4.14
MW-252	PMP	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.001	0.00320
MW-252	PMP	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	6	0	CI around mean	433	228
MW-252	PMP	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	6	100	All ND - Last	0.002	0.002
MW-252	PMP	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	34	0	CB around linear reg	1,110	3,260
MW-352	UA	E005	Antimony, total	mg/L	03/15/23 - 04/18/24	7	86	CI around median	0.001	0.00230
MW-352	UA	E005	Arsenic, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00578
MW-352	UA	E005	Barium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around median	0.0839	0.261
MW-352	UA	E005	Beryllium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.001
MW-352	UA	E005	Boron, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	1.85	2.23
MW-352	UA	E005	Cadmium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.001
MW-352	UA	E005	Chloride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	537	1,370
MW-352	UA	E005	Chromium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.0125

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MW-352	UA	E005	Cobalt, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00220
MW-352	UA	E005	Fluoride, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	1.32	3.36
MW-352	UA	E005	Lead, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00220
MW-352	UA	E005	Lithium, total	mg/L	03/15/23 - 04/18/24	7	0	CI around mean	0.0825	0.123
MW-352	UA	E005	Mercury, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0002	0.0002
MW-352	UA	E005	Molybdenum, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.0015	0.0782
MW-352	UA	E005	pH (field)	SU	03/22/16 - 04/18/24	35	0	CB around T-S line	7.3/7.4	7.3/8.4
MW-352	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 04/18/24	7	0	CI around mean	0.732	4.14
MW-352	UA	E005	Selenium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.001	0.00320
MW-352	UA	E005	Sulfate, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	10	228
MW-352	UA	E005	Thallium, total	mg/L	03/15/23 - 04/18/24	7	100	All ND - Last	0.002	0.002
MW-352	UA	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/18/24	35	0	CI around median	1,130	3,260
MW-366	UA	E005	Antimony, total	mg/L	01/20/16 - 04/16/24	24	100	All ND - Last	0.001	0.00230
MW-366	UA	E005	Arsenic, total	mg/L	01/20/16 - 04/16/24	24	96	CI around median	0.001	0.00578
MW-366	UA	E005	Barium, total	mg/L	01/20/16 - 04/16/24	24	0	CB around linear reg	0.0238	0.261
MW-366	UA	E005	Beryllium, total	mg/L	01/20/16 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-366	UA	E005	Boron, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	1.8	2.23
MW-366	UA	E005	Cadmium, total	mg/L	01/20/16 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-366	UA	E005	Chloride, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	48.8	1,370
MW-366	UA	E005	Chromium, total	mg/L	01/20/16 - 04/16/24	24	100	All ND - Last	0.0015	0.0125
MW-366	UA	E005	Cobalt, total	mg/L	01/20/16 - 04/16/24	22	77	CI around median	0.001	0.00220
MW-366	UA	E005	Fluoride, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	0.141	3.36
MW-366	UA	E005	Lead, total	mg/L	01/20/16 - 04/16/24	21	100	All ND - Last	0.001	0.00220
MW-366	UA	E005	Lithium, total	mg/L	01/20/16 - 04/16/24	24	4	CI around mean	0.0151	0.123
MW-366	UA	E005	Mercury, total	mg/L	01/20/16 - 04/16/24	19	100	All ND - Last	0.0002	0.0002
MW-366	UA	E005	Molybdenum, total	mg/L	01/20/16 - 04/16/24	24	4	CI around mean	0.00289	0.0782
MW-366	UA	E005	pH (field)	SU	01/20/16 - 04/16/24	25	0	CB around linear reg	6.6/6.9	7.3/8.4

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MW-366	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 04/16/24	24	0	CI around geomean	0.451	4.14
MW-366	UA	E005	Selenium, total	mg/L	01/20/16 - 04/16/24	24	96	CI around median	0.001	0.00320
MW-366	UA	E005	Sulfate, total	mg/L	01/20/16 - 04/16/24	25	0	CB around linear reg	600	228
MW-366	UA	E005	Thallium, total	mg/L	01/20/16 - 04/16/24	21	100	All ND - Last	0.002	0.002
MW-366	UA	E005	Total Dissolved Solids	mg/L	01/20/16 - 04/16/24	24	0	CB around linear reg	1,290	3,260
MW-375	UA	E005	Antimony, total	mg/L	01/20/16 - 04/17/24	24	29	CB around T-S line	0.000417	0.00230
MW-375	UA	E005	Arsenic, total	mg/L	01/20/16 - 04/17/24	24	4	CI around median	0.0014	0.00578
MW-375	UA	E005	Barium, total	mg/L	01/20/16 - 04/17/24	24	0	CI around mean	0.0243	0.261
MW-375	UA	E005	Beryllium, total	mg/L	01/20/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-375	UA	E005	Boron, total	mg/L	01/20/16 - 04/17/24	25	0	CB around T-S line	1.33	2.23
MW-375	UA	E005	Cadmium, total	mg/L	01/20/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-375	UA	E005	Chloride, total	mg/L	01/20/16 - 04/17/24	25	0	CB around linear reg	96.2	1,370
MW-375	UA	E005	Chromium, total	mg/L	01/20/16 - 04/17/24	24	100	All ND - Last	0.0015	0.0125
MW-375	UA	E005	Cobalt, total	mg/L	01/20/16 - 04/17/24	22	100	All ND - Last	0.001	0.00220
MW-375	UA	E005	Fluoride, total	mg/L	01/20/16 - 04/17/24	25	0	CB around linear reg	2.36	3.36
MW-375	UA	E005	Lead, total	mg/L	01/20/16 - 04/17/24	21	95	CI around median	0.001	0.00220
MW-375	UA	E005	Lithium, total	mg/L	01/20/16 - 04/17/24	24	0	CB around linear reg	0.0689	0.123
MW-375	UA	E005	Mercury, total	mg/L	01/20/16 - 04/17/24	19	100	All ND - Last	0.0002	0.0002
MW-375	UA	E005	Molybdenum, total	mg/L	01/20/16 - 04/17/24	24	0	CI around mean	0.0247	0.0782
MW-375	UA	E005	pH (field)	SU	01/20/16 - 04/17/24	25	0	CI around median	7.7/7.8	7.3/8.4
MW-375	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 04/17/24	24	0	CI around median	0.28	4.14
MW-375	UA	E005	Selenium, total	mg/L	01/20/16 - 04/17/24	24	92	CI around median	0.001	0.00320
MW-375	UA	E005	Sulfate, total	mg/L	01/20/16 - 04/17/24	25	0	CI around mean	116	228
MW-375	UA	E005	Thallium, total	mg/L	01/20/16 - 04/17/24	21	100	All ND - Last	0.002	0.002
MW-375	UA	E005	Total Dissolved Solids	mg/L	01/20/16 - 04/17/24	25	0	CI around median	910	3,260
MW-377	UA	E005	Antimony, total	mg/L	01/19/16 - 04/17/24	24	96	Most recent sample	0.001	0.00230
MW-377	UA	E005	Arsenic, total	mg/L	01/19/16 - 04/17/24	24	79	CI around median	0.001	0.00578

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MW-377	UA	E005	Barium, total	mg/L	01/19/16 - 04/17/24	24	0	CI around mean	0.0603	0.261
MW-377	UA	E005	Beryllium, total	mg/L	01/19/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-377	UA	E005	Boron, total	mg/L	01/19/16 - 04/17/24	25	0	CI around mean	1.67	2.23
MW-377	UA	E005	Cadmium, total	mg/L	01/19/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-377	UA	E005	Chloride, total	mg/L	01/19/16 - 04/17/24	25	0	CB around linear reg	94.4	1,370
MW-377	UA	E005	Chromium, total	mg/L	01/19/16 - 04/17/24	24	96	CB around T-S line	0.00144	0.0125
MW-377	UA	E005	Cobalt, total	mg/L	01/19/16 - 04/17/24	22	96	CI around median	0.001	0.00220
MW-377	UA	E005	Fluoride, total	mg/L	01/19/16 - 04/17/24	25	0	CB around linear reg	1.14	3.36
MW-377	UA	E005	Lead, total	mg/L	01/19/16 - 04/17/24	21	100	All ND - Last	0.001	0.00220
MW-377	UA	E005	Lithium, total	mg/L	01/19/16 - 04/17/24	24	0	CB around linear reg	0.0581	0.123
MW-377	UA	E005	Mercury, total	mg/L	01/19/16 - 04/17/24	19	100	All ND - Last	0.0002	0.0002
MW-377	UA	E005	Molybdenum, total	mg/L	01/19/16 - 04/17/24	24	67	CB around T-S line	0.000708	0.0782
MW-377	UA	E005	pH (field)	SU	01/19/16 - 04/17/24	25	0	CI around median	7.1/7.2	7.3/8.4
MW-377	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 04/17/24	24	0	CI around mean	0.399	4.14
MW-377	UA	E005	Selenium, total	mg/L	01/19/16 - 04/17/24	24	100	All ND - Last	0.001	0.00320
MW-377	UA	E005	Sulfate, total	mg/L	01/19/16 - 04/17/24	25	0	CI around median	38	228
MW-377	UA	E005	Thallium, total	mg/L	01/19/16 - 04/17/24	21	100	All ND - Last	0.002	0.002
MW-377	UA	E005	Total Dissolved Solids	mg/L	01/19/16 - 04/17/24	25	0	CI around mean	601	3,260
MW-383	UA	E005	Antimony, total	mg/L	01/21/16 - 04/17/24	24	88	CB around T-S line	0.000833	0.00230
MW-383	UA	E005	Arsenic, total	mg/L	01/21/16 - 04/17/24	24	79	CI around median	0.001	0.00578
MW-383	UA	E005	Barium, total	mg/L	01/21/16 - 04/17/24	24	0	CB around T-S line	0.0461	0.261
MW-383	UA	E005	Beryllium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-383	UA	E005	Boron, total	mg/L	01/21/16 - 04/17/24	25	0	CI around median	1.34	2.23
MW-383	UA	E005	Cadmium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-383	UA	E005	Chloride, total	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	43.1	1,370
MW-383	UA	E005	Chromium, total	mg/L	01/21/16 - 04/17/24	24	92	CB around T-S line	0.00145	0.0125
MW-383	UA	E005	Cobalt, total	mg/L	01/21/16 - 04/17/24	22	100	All ND - Last	0.001	0.00220

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FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-383	UA	E005	Fluoride, total	mg/L	01/21/16 - 04/17/24	25	0	CI around mean	0.735	3.36
MW-383	UA	E005	Lead, total	mg/L	01/21/16 - 04/17/24	21	95	CI around median	0.001	0.00220
MW-383	UA	E005	Lithium, total	mg/L	01/21/16 - 04/17/24	24	0	CI around mean	0.0338	0.123
MW-383	UA	E005	Mercury, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.0002	0.0002
MW-383	UA	E005	Molybdenum, total	mg/L	01/21/16 - 04/17/24	24	0	CI around geomean	0.0104	0.0782
MW-383	UA	E005	pH (field)	SU	01/21/16 - 04/17/24	25	0	CB around linear reg	7.4/7.6	7.3/8.4
MW-383	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 04/17/24	24	0	CI around geomean	0.262	4.14
MW-383	UA	E005	Selenium, total	mg/L	01/21/16 - 04/17/24	24	96	CI around median	0.001	0.00320
MW-383	UA	E005	Sulfate, total	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	147	228
MW-383	UA	E005	Thallium, total	mg/L	01/21/16 - 04/17/24	21	100	All ND - Last	0.002	0.002
MW-383	UA	E005	Total Dissolved Solids	mg/L	01/21/16 - 04/17/24	25	0	CI around mean	877	3,260
MW-384	UA	E005	Antimony, total	mg/L	01/21/16 - 04/17/24	24	100	All ND - Last	0.001	0.00230
MW-384	UA	E005	Arsenic, total	mg/L	01/21/16 - 04/17/24	24	100	All ND - Last	0.001	0.00578
MW-384	UA	E005	Barium, total	mg/L	01/21/16 - 04/17/24	24	0	CB around T-S line	0.0318	0.261
MW-384	UA	E005	Beryllium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-384	UA	E005	Boron, total	mg/L	01/21/16 - 04/17/24	25	0	CI around median	1.43	2.23
MW-384	UA	E005	Cadmium, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.001	0.001
MW-384	UA	E005	Chloride, total	mg/L	01/21/16 - 04/17/24	25	0	CB around T-S line	426	1,370
MW-384	UA	E005	Chromium, total	mg/L	01/21/16 - 04/17/24	24	92	CB around T-S line	0.00145	0.0125
MW-384	UA	E005	Cobalt, total	mg/L	01/21/16 - 04/17/24	22	96	Most recent sample	0.001	0.00220
MW-384	UA	E005	Fluoride, total	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	4.08	3.36
MW-384	UA	E005	Lead, total	mg/L	01/21/16 - 04/17/24	21	95	CI around median	0.001	0.00220
MW-384	UA	E005	Lithium, total	mg/L	01/21/16 - 04/17/24	24	0	CB around linear reg	0.0426	0.123
MW-384	UA	E005	Mercury, total	mg/L	01/21/16 - 04/17/24	19	100	All ND - Last	0.0002	0.0002
MW-384	UA	E005	Molybdenum, total	mg/L	01/21/16 - 04/17/24	24	0	CI around mean	0.0177	0.0782
MW-384	UA	E005	pH (field)	SU	01/21/16 - 04/17/24	25	0	CB around T-S line	8.0/8.1	7.3/8.4
MW-384	UA	E005	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 04/17/24	24	0	CI around geomean	0.366	4.14

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-384	UA	E005	Selenium, total	mg/L	01/21/16 - 04/17/24	24	100	All ND - Last	0.001	0.00320
MW-384	UA	E005	Sulfate, total	mg/L	01/21/16 - 04/17/24	25	4	CB around linear reg	-6.64	228
MW-384	UA	E005	Thallium, total	mg/L	01/21/16 - 04/17/24	21	100	All ND - Last	0.002	0.002
MW-384	UA	E005	Total Dissolved Solids	mg/L	01/21/16 - 04/17/24	25	0	CB around linear reg	1,490	3,260
MW-390	UA	E005	Antimony, total	mg/L	03/22/16 - 04/16/24	24	96	CI around median	0.001	0.00230
MW-390	UA	E005	Arsenic, total	mg/L	03/22/16 - 04/16/24	24	8	CI around geomean	0.0013	0.00578
MW-390	UA	E005	Barium, total	mg/L	03/22/16 - 04/16/24	24	0	CI around mean	0.0465	0.261
MW-390	UA	E005	Beryllium, total	mg/L	03/22/16 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-390	UA	E005	Boron, total	mg/L	03/22/16 - 04/16/24	25	0	CI around median	0.247	2.23
MW-390	UA	E005	Cadmium, total	mg/L	03/22/16 - 04/16/24	19	100	All ND - Last	0.001	0.001
MW-390	UA	E005	Chloride, total	mg/L	03/22/16 - 04/16/24	25	0	CI around geomean	62.7	1,370
MW-390	UA	E005	Chromium, total	mg/L	03/22/16 - 04/16/24	24	96	CB around T-S line	0.00148	0.0125
MW-390	UA	E005	Cobalt, total	mg/L	03/22/16 - 04/16/24	22	68	CI around median	0.001	0.00220
MW-390	UA	E005	Fluoride, total	mg/L	03/22/16 - 04/16/24	25	0	CI around median	0.64	3.36
MW-390	UA	E005	Lead, total	mg/L	03/22/16 - 04/16/24	21	90	CI around median	0.001	0.00220
MW-390	UA	E005	Lithium, total	mg/L	03/22/16 - 04/16/24	24	4	CI around mean	0.0204	0.123
MW-390	UA	E005	Mercury, total	mg/L	03/22/16 - 04/16/24	19	100	All ND - Last	0.0002	0.0002
MW-390	UA	E005	Molybdenum, total	mg/L	03/22/16 - 04/16/24	24	4	CI around geomean	0.00314	0.0782
MW-390	UA	E005	pH (field)	SU	03/22/16 - 04/16/24	25	0	CB around linear reg	6.8/7.2	7.3/8.4
MW-390	UA	E005	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 04/16/24	24	0	CB around T-S line	0.882	4.14
MW-390	UA	E005	Selenium, total	mg/L	03/22/16 - 04/16/24	24	92	CI around median	0.001	0.00320
MW-390	UA	E005	Sulfate, total	mg/L	03/22/16 - 04/16/24	25	0	CI around geomean	138	228
MW-390	UA	E005	Thallium, total	mg/L	03/22/16 - 04/16/24	21	100	All ND - Last	0.002	0.002
MW-390	UA	E005	Total Dissolved Solids	mg/L	03/22/16 - 04/16/24	25	0	CI around geomean	685	3,260
MW-391	UA	E005	Antimony, total	mg/L	--	--	--	--	--	0.00230
MW-391	UA	E005	Arsenic, total	mg/L	--	--	--	--	--	0.00578
MW-391	UA	E005	Barium, total	mg/L	--	--	--	--	--	0.261

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-391	UA	E005	Beryllium, total	mg/L	--	--	--	--	--	0.001
MW-391	UA	E005	Boron, total	mg/L	--	--	--	--	--	2.23
MW-391	UA	E005	Cadmium, total	mg/L	--	--	--	--	--	0.001
MW-391	UA	E005	Chloride, total	mg/L	--	--	--	--	--	1,370
MW-391	UA	E005	Chromium, total	mg/L	--	--	--	--	--	0.0125
MW-391	UA	E005	Cobalt, total	mg/L	--	--	--	--	--	0.00220
MW-391	UA	E005	Fluoride, total	mg/L	--	--	--	--	--	3.36
MW-391	UA	E005	Lead, total	mg/L	--	--	--	--	--	0.00220
MW-391	UA	E005	Lithium, total	mg/L	--	--	--	--	--	0.123
MW-391	UA	E005	Mercury, total	mg/L	--	--	--	--	--	0.0002
MW-391	UA	E005	Molybdenum, total	mg/L	--	--	--	--	--	0.0782
MW-391	UA	E005	pH (field)	SU	--	--	--	--	--	7.3/8.4
MW-391	UA	E005	Radium 226 + Radium 228, total	pCi/L	--	--	--	--	--	4.14
MW-391	UA	E005	Selenium, total	mg/L	--	--	--	--	--	0.00320
MW-391	UA	E005	Sulfate, total	mg/L	--	--	--	--	--	228
MW-391	UA	E005	Thallium, total	mg/L	--	--	--	--	--	0.002
MW-391	UA	E005	Total Dissolved Solids	mg/L	--	--	--	--	--	3,260

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 2, 2024
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FLY ASH POND SYSTEM
BALDWIN, IL

Notes:
– = no data available
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

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
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-150	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.00230
MW-150	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.00578
MW-150	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0147	0.261
MW-150	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.001
MW-150	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	3.32	2.23
MW-150	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.001
MW-150	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	50.1	1,370
MW-150	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0015	0.0125
MW-150	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.00220
MW-150	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.658	3.36
MW-150	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	7	86	CI around median	0.001	0.00220
MW-150	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0444	0.123
MW-150	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0002	0.0002
MW-150	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	7	57	CI around median	0.0015	0.0782
MW-150	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	35	0	CB around T-S line	6.9/7.0	7.3/8.4
MW-150	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	7	0	CI around mean	-0.143	4.14
MW-150	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	7	71	CI around median	0.001	0.00320
MW-150	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	840	228
MW-150	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.002	0.002
MW-150	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	35	0	CB around linear reg	1,650	3,260
MW-151	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.001	0.00230
MW-151	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	8	62	CI around median	0.001	0.00578
MW-151	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around median	0.055	0.261
MW-151	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.0005	0.001
MW-151	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.46	2.23
MW-151	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.001
MW-151	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	37.5	1,370

ATTACHMENT C.
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FLY ASH POND SYSTEM
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-151	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	8	25	CI around geomean	0.00177	0.0125
MW-151	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	8	38	CI around geomean	0.000883	0.00220
MW-151	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.501	3.36
MW-151	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	8	38	CI around geomean	0.000863	0.00220
MW-151	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.0248	0.123
MW-151	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0002	0.0002
MW-151	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.0782
MW-151	PMP	E006	pH (field)	SU	03/16/17 - 07/18/24	32	0	CI around mean	6.9/7.0	7.3/8.4
MW-151	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	8	0	CI around mean	0.0343	4.14
MW-151	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.00320
MW-151	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	75.4	228
MW-151	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.002	0.002
MW-151	PMP	E006	Total Dissolved Solids	mg/L	03/16/17 - 07/18/24	32	0	CB around linear reg	558	3,260
MW-152	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.00230
MW-152	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	7	43	CI around geomean	0.000828	0.00578
MW-152	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0111	0.261
MW-152	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.001
MW-152	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	-2.85	2.23
MW-152	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.001
MW-152	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	2.41	1,370
MW-152	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	7	43	CI around mean	0.00104	0.0125
MW-152	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	7	43	CI around mean	0.000738	0.00220
MW-152	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.243	3.36
MW-152	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	7	43	CI around mean	0.000282	0.00220
MW-152	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	7	14	CI around mean	0.0062	0.123
MW-152	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0002	0.0002
MW-152	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0015	0.0782

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-152	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	35	0	CI around geomean	6.8/6.9	7.3/8.4
MW-152	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	7	0	CI around mean	0.193	4.14
MW-152	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.00320
MW-152	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	259	228
MW-152	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.002	0.002
MW-152	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	35	0	CB around linear reg	542	3,260
MW-153	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.00230
MW-153	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.00578
MW-153	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around median	0.0335	0.261
MW-153	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.0005	0.001
MW-153	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	8	67	CI around median	0.02	2.23
MW-153	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.001
MW-153	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	15.5	1,370
MW-153	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	8	75	CI around median	0.0015	0.0125
MW-153	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.001	0.00220
MW-153	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.369	3.36
MW-153	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	8	75	CI around median	0.001	0.00220
MW-153	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	8	12	CI around mean	0.00289	0.123
MW-153	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0002	0.0002
MW-153	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.0782
MW-153	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	36	0	CI around median	7.0/7.2	7.3/8.4
MW-153	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	8	0	CI around mean	0.187	4.14
MW-153	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.00215	0.00320
MW-153	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	59.6	228
MW-153	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.002	0.002
MW-153	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	36	0	CI around median	370	3,260
MW-252	PMP	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	7	29	CI around mean	0.000876	0.00230

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-252	PMP	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	7	71	CI around median	0.001	0.00578
MW-252	PMP	E006	Barium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0266	0.261
MW-252	PMP	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.001
MW-252	PMP	E006	Boron, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.131	2.23
MW-252	PMP	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.001
MW-252	PMP	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	36.3	1,370
MW-252	PMP	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	7	57	CI around median	0.0015	0.0125
MW-252	PMP	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	7	14	CI around mean	0.000736	0.00220
MW-252	PMP	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.202	3.36
MW-252	PMP	E006	Lead, total	mg/L	03/15/23 - 07/18/24	7	71	CI around median	0.001	0.00220
MW-252	PMP	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	0.0123	0.123
MW-252	PMP	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0002	0.0002
MW-252	PMP	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.0015	0.0782
MW-252	PMP	E006	pH (field)	SU	03/22/16 - 07/18/24	35	0	CI around median	6.8/6.9	7.3/8.4
MW-252	PMP	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	7	0	CI around geomean	0.222	4.14
MW-252	PMP	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.001	0.00320
MW-252	PMP	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	7	0	CI around mean	440	228
MW-252	PMP	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	7	100	All ND - Last	0.002	0.002
MW-252	PMP	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	35	0	CB around linear reg	1,110	3,260
MW-253R	PMP	E006	Antimony, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.00230
MW-253R	PMP	E006R	Antimony, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.00230
MW-253R	PMP	E006	Arsenic, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0012	0.00578
MW-253R	PMP	E006R	Arsenic, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.01	0.00578
MW-253R	PMP	E006	Barium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.111	0.261
MW-253R	PMP	E006R	Barium, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.119	0.261
MW-253R	PMP	E006	Beryllium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.001
MW-253R	PMP	E006R	Beryllium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.001

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-253R	PMP	E006	Boron, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.182	2.23
MW-253R	PMP	E006R	Boron, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.225	2.23
MW-253R	PMP	E006	Cadmium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.001
MW-253R	PMP	E006R	Cadmium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.001
MW-253R	PMP	E006	Chloride, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	23	1,370
MW-253R	PMP	E006R	Chloride, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	24.5	1,370
MW-253R	PMP	E006	Chromium, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.0015	0.0125
MW-253R	PMP	E006R	Chromium, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.0149	0.0125
MW-253R	PMP	E006	Cobalt, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.001	0.00220
MW-253R	PMP	E006R	Cobalt, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.0048	0.00220
MW-253R	PMP	E006	Fluoride, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.46	3.36
MW-253R	PMP	E006R	Fluoride, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.5	3.36
MW-253R	PMP	E006	Lead, total	mg/L	07/18/24 - 07/18/24	1	50	Most recent sample	0.001	0.00220
MW-253R	PMP	E006R	Lead, total	mg/L	07/18/24 - 08/28/24	2	50	Most recent sample	0.0041	0.00220
MW-253R	PMP	E006	Lithium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0142	0.123
MW-253R	PMP	E006R	Lithium, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.0206	0.123
MW-253R	PMP	E006	Mercury, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.0002	0.0002
MW-253R	PMP	E006R	Mercury, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.0002	0.0002
MW-253R	PMP	E006	Molybdenum, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0041	0.0782
MW-253R	PMP	E006R	Molybdenum, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	0.0055	0.0782
MW-253R	PMP	E006	pH (field)	SU	07/18/24 - 07/18/24	1	0	Most recent sample	7.1/7.1	7.3/8.4
MW-253R	PMP	E006R	pH (field)	SU	07/18/24 - 08/28/24	2	0	Most recent sample	6.9/6.9	7.3/8.4
MW-253R	PMP	E006	Radium 226 + Radium 228, total	pCi/L	07/18/24 - 07/18/24	1	0	Most recent sample	1.12	4.14
MW-253R	PMP	E006R	Radium 226 + Radium 228, total	pCi/L	07/18/24 - 08/28/24	2	0	Most recent sample	1.47	4.14
MW-253R	PMP	E006	Selenium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.00320
MW-253R	PMP	E006R	Selenium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.001	0.00320
MW-253R	PMP	E006	Sulfate, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	549	228

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 3, 2024
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FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-253R	PMP	E006R	Sulfate, total	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	434	228
MW-253R	PMP	E006	Thallium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.002	0.002
MW-253R	PMP	E006R	Thallium, total	mg/L	07/18/24 - 08/28/24	2	100	All ND - Last	0.002	0.002
MW-253R	PMP	E006	Total Dissolved Solids	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	1,250	3,260
MW-253R	PMP	E006R	Total Dissolved Solids	mg/L	07/18/24 - 08/28/24	2	0	Most recent sample	1,020	3,260
MW-350R	UA	E006	Antimony, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.00230
MW-350R	UA	E006	Arsenic, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0029	0.00578
MW-350R	UA	E006	Barium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.106	0.261
MW-350R	UA	E006	Beryllium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.001
MW-350R	UA	E006	Boron, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	1.02	2.23
MW-350R	UA	E006	Cadmium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.001
MW-350R	UA	E006	Chloride, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	26	1,370
MW-350R	UA	E006	Chromium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.0015	0.0125
MW-350R	UA	E006	Cobalt, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.00220
MW-350R	UA	E006	Fluoride, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.87	3.36
MW-350R	UA	E006	Lead, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.00220
MW-350R	UA	E006	Lithium, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0754	0.123
MW-350R	UA	E006	Mercury, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.0002	0.0002
MW-350R	UA	E006	Molybdenum, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.0175	0.0782
MW-350R	UA	E006	pH (field)	SU	07/18/24 - 07/18/24	1	0	Most recent sample	7.7/7.7	7.3/8.4
MW-350R	UA	E006	Radium 226 + Radium 228, total	pCi/L	07/18/24 - 07/18/24	1	0	Most recent sample	0.34	4.14
MW-350R	UA	E006	Selenium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.001	0.00320
MW-350R	UA	E006	Sulfate, total	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	70	228
MW-350R	UA	E006	Thallium, total	mg/L	07/18/24 - 07/18/24	1	100	All ND - Last	0.002	0.002
MW-350R	UA	E006	Total Dissolved Solids	mg/L	07/18/24 - 07/18/24	1	0	Most recent sample	506	3,260
MW-352	UA	E006	Antimony, total	mg/L	03/15/23 - 07/18/24	8	88	CI around median	0.001	0.00230
MW-352	UA	E006	Arsenic, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.00578

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-352	UA	E006	Barium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around median	0.0839	0.261
MW-352	UA	E006	Beryllium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.001
MW-352	UA	E006	Boron, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	1.88	2.23
MW-352	UA	E006	Cadmium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.001
MW-352	UA	E006	Chloride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	542	1,370
MW-352	UA	E006	Chromium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.0125
MW-352	UA	E006	Cobalt, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.00220
MW-352	UA	E006	Fluoride, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	1.35	3.36
MW-352	UA	E006	Lead, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.00220
MW-352	UA	E006	Lithium, total	mg/L	03/15/23 - 07/18/24	8	0	CI around mean	0.0852	0.123
MW-352	UA	E006	Mercury, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0002	0.0002
MW-352	UA	E006	Molybdenum, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.0015	0.0782
MW-352	UA	E006	pH (field)	SU	03/22/16 - 07/18/24	36	0	CB around T-S line	7.2/7.5	7.3/8.4
MW-352	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/18/24	8	0	CI around mean	0.759	4.14
MW-352	UA	E006	Selenium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.001	0.00320
MW-352	UA	E006	Sulfate, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	10	228
MW-352	UA	E006	Thallium, total	mg/L	03/15/23 - 07/18/24	8	100	All ND - Last	0.002	0.002
MW-352	UA	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/18/24	36	0	CI around median	1,130	3,260
MW-366	UA	E006	Antimony, total	mg/L	01/20/16 - 07/18/24	25	100	All ND - Last	0.001	0.00230
MW-366	UA	E006	Arsenic, total	mg/L	01/20/16 - 07/18/24	25	96	CI around median	0.001	0.00578
MW-366	UA	E006	Barium, total	mg/L	01/20/16 - 07/18/24	25	0	CB around linear reg	0.0221	0.261
MW-366	UA	E006	Beryllium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-366	UA	E006	Boron, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	1.9	2.23
MW-366	UA	E006	Cadmium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-366	UA	E006	Chloride, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	50.7	1,370
MW-366	UA	E006	Chromium, total	mg/L	01/20/16 - 07/18/24	25	100	All ND - Last	0.0015	0.0125
MW-366	UA	E006	Cobalt, total	mg/L	01/20/16 - 07/18/24	23	78	CI around median	0.001	0.00220

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-366	UA	E006	Fluoride, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	0.135	3.36
MW-366	UA	E006	Lead, total	mg/L	01/20/16 - 07/18/24	22	100	All ND - Last	0.001	0.00220
MW-366	UA	E006	Lithium, total	mg/L	01/20/16 - 07/18/24	25	4	CB around linear reg	0.00329	0.123
MW-366	UA	E006	Mercury, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.0002	0.0002
MW-366	UA	E006	Molybdenum, total	mg/L	01/20/16 - 07/18/24	25	4	CI around mean	0.00291	0.0782
MW-366	UA	E006	pH (field)	SU	01/20/16 - 07/18/24	26	0	CB around linear reg	6.6/6.9	7.3/8.4
MW-366	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 07/18/24	25	0	CI around geomean	0.421	4.14
MW-366	UA	E006	Selenium, total	mg/L	01/20/16 - 07/18/24	25	96	CI around median	0.001	0.00320
MW-366	UA	E006	Sulfate, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	633	228
MW-366	UA	E006	Thallium, total	mg/L	01/20/16 - 07/18/24	22	100	All ND - Last	0.002	0.002
MW-366	UA	E006	Total Dissolved Solids	mg/L	01/20/16 - 07/18/24	25	0	CB around linear reg	1,340	3,260
MW-375	UA	E006	Antimony, total	mg/L	01/20/16 - 07/18/24	25	32	CB around T-S line	0.000423	0.00230
MW-375	UA	E006	Arsenic, total	mg/L	01/20/16 - 07/18/24	25	4	CI around median	0.0014	0.00578
MW-375	UA	E006	Barium, total	mg/L	01/20/16 - 07/18/24	25	0	CI around geomean	0.0243	0.261
MW-375	UA	E006	Beryllium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-375	UA	E006	Boron, total	mg/L	01/20/16 - 07/18/24	26	0	CI around mean	1.29	2.23
MW-375	UA	E006	Cadmium, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-375	UA	E006	Chloride, total	mg/L	01/20/16 - 07/18/24	26	0	CI around mean	92.5	1,370
MW-375	UA	E006	Chromium, total	mg/L	01/20/16 - 07/18/24	25	100	All ND - Last	0.0015	0.0125
MW-375	UA	E006	Cobalt, total	mg/L	01/20/16 - 07/18/24	23	100	All ND - Last	0.001	0.00220
MW-375	UA	E006	Fluoride, total	mg/L	01/20/16 - 07/18/24	26	0	CB around linear reg	2.36	3.36
MW-375	UA	E006	Lead, total	mg/L	01/20/16 - 07/18/24	22	96	CI around median	0.001	0.00220
MW-375	UA	E006	Lithium, total	mg/L	01/20/16 - 07/18/24	25	0	CB around linear reg	0.0685	0.123
MW-375	UA	E006	Mercury, total	mg/L	01/20/16 - 07/18/24	20	100	All ND - Last	0.0002	0.0002
MW-375	UA	E006	Molybdenum, total	mg/L	01/20/16 - 07/18/24	25	0	CI around mean	0.0242	0.0782
MW-375	UA	E006	pH (field)	SU	01/20/16 - 07/18/24	26	0	CB around T-S line	7.6/7.8	7.3/8.4
MW-375	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 07/18/24	25	0	CI around median	0.248	4.14

ATTACHMENT C.
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-375	UA	E006	Selenium, total	mg/L	01/20/16 - 07/18/24	25	92	CI around median	0.001	0.00320
MW-375	UA	E006	Sulfate, total	mg/L	01/20/16 - 07/18/24	26	0	CI around mean	115	228
MW-375	UA	E006	Thallium, total	mg/L	01/20/16 - 07/18/24	22	100	All ND - Last	0.002	0.002
MW-375	UA	E006	Total Dissolved Solids	mg/L	01/20/16 - 07/18/24	26	0	CI around median	916	3,260
MW-377	UA	E006	Antimony, total	mg/L	01/19/16 - 07/18/24	25	96	Most recent sample	0.001	0.00230
MW-377	UA	E006	Arsenic, total	mg/L	01/19/16 - 07/18/24	25	80	CI around median	0.001	0.00578
MW-377	UA	E006	Barium, total	mg/L	01/19/16 - 07/18/24	25	0	CI around mean	0.0601	0.261
MW-377	UA	E006	Beryllium, total	mg/L	01/19/16 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-377	UA	E006	Boron, total	mg/L	01/19/16 - 07/18/24	26	0	CI around mean	1.67	2.23
MW-377	UA	E006	Cadmium, total	mg/L	01/19/16 - 07/18/24	20	100	All ND - Last	0.001	0.001
MW-377	UA	E006	Chloride, total	mg/L	01/19/16 - 07/18/24	26	0	CB around linear reg	95.4	1,370
MW-377	UA	E006	Chromium, total	mg/L	01/19/16 - 07/18/24	25	96	CB around T-S line	0.00143	0.0125
MW-377	UA	E006	Cobalt, total	mg/L	01/19/16 - 07/18/24	23	96	CI around median	0.001	0.00220
MW-377	UA	E006	Fluoride, total	mg/L	01/19/16 - 07/18/24	26	0	CB around linear reg	1.16	3.36
MW-377	UA	E006	Lead, total	mg/L	01/19/16 - 07/18/24	22	100	All ND - Last	0.001	0.00220
MW-377	UA	E006	Lithium, total	mg/L	01/19/16 - 07/18/24	25	0	CB around linear reg	0.0585	0.123
MW-377	UA	E006	Mercury, total	mg/L	01/19/16 - 07/18/24	20	100	All ND - Last	0.0002	0.0002
MW-377	UA	E006	Molybdenum, total	mg/L	01/19/16 - 07/18/24	25	68	CB around T-S line	0.000664	0.0782
MW-377	UA	E006	pH (field)	SU	01/19/16 - 07/18/24	26	0	CI around median	7.1/7.2	7.3/8.4
MW-377	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 07/18/24	25	0	CI around mean	0.396	4.14
MW-377	UA	E006	Selenium, total	mg/L	01/19/16 - 07/18/24	25	100	All ND - Last	0.001	0.00320
MW-377	UA	E006	Sulfate, total	mg/L	01/19/16 - 07/18/24	26	0	CI around median	38	228
MW-377	UA	E006	Thallium, total	mg/L	01/19/16 - 07/18/24	22	100	All ND - Last	0.002	0.002
MW-377	UA	E006	Total Dissolved Solids	mg/L	01/19/16 - 07/18/24	26	0	CI around mean	603	3,260
MW-383	UA	E006	Antimony, total	mg/L	01/21/16 - 07/17/24	25	88	CB around T-S line	0.000822	0.00230
MW-383	UA	E006	Arsenic, total	mg/L	01/21/16 - 07/17/24	25	80	CI around median	0.001	0.00578
MW-383	UA	E006	Barium, total	mg/L	01/21/16 - 07/17/24	25	0	CB around T-S line	0.0461	0.261

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

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-383	UA	E006	Beryllium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.001
MW-383	UA	E006	Boron, total	mg/L	01/21/16 - 07/17/24	26	0	CI around median	1.34	2.23
MW-383	UA	E006	Cadmium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.001
MW-383	UA	E006	Chloride, total	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	43	1,370
MW-383	UA	E006	Chromium, total	mg/L	01/21/16 - 07/17/24	25	92	CB around T-S line	0.00145	0.0125
MW-383	UA	E006	Cobalt, total	mg/L	01/21/16 - 07/17/24	23	100	All ND - Last	0.001	0.00220
MW-383	UA	E006	Fluoride, total	mg/L	01/21/16 - 07/17/24	26	0	CI around mean	0.733	3.36
MW-383	UA	E006	Lead, total	mg/L	01/21/16 - 07/17/24	22	96	CI around median	0.001	0.00220
MW-383	UA	E006	Lithium, total	mg/L	01/21/16 - 07/17/24	25	0	CI around mean	0.0339	0.123
MW-383	UA	E006	Mercury, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.0002	0.0002
MW-383	UA	E006	Molybdenum, total	mg/L	01/21/16 - 07/17/24	25	0	CI around geomean	0.0104	0.0782
MW-383	UA	E006	pH (field)	SU	01/21/16 - 07/17/24	26	0	CI around mean	7.5/7.7	7.3/8.4
MW-383	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 07/17/24	25	0	CI around geomean	0.256	4.14
MW-383	UA	E006	Selenium, total	mg/L	01/21/16 - 07/17/24	25	96	CI around median	0.001	0.00320
MW-383	UA	E006	Sulfate, total	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	148	228
MW-383	UA	E006	Thallium, total	mg/L	01/21/16 - 07/17/24	22	100	All ND - Last	0.002	0.002
MW-383	UA	E006	Total Dissolved Solids	mg/L	01/21/16 - 07/17/24	26	0	CI around mean	880	3,260
MW-384	UA	E006	Antimony, total	mg/L	01/21/16 - 07/17/24	25	100	All ND - Last	0.001	0.00230
MW-384	UA	E006	Arsenic, total	mg/L	01/21/16 - 07/17/24	25	100	All ND - Last	0.001	0.00578
MW-384	UA	E006	Barium, total	mg/L	01/21/16 - 07/17/24	25	0	CB around T-S line	0.034	0.261
MW-384	UA	E006	Beryllium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.001
MW-384	UA	E006	Boron, total	mg/L	01/21/16 - 07/17/24	26	0	CI around median	1.44	2.23
MW-384	UA	E006	Cadmium, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.001	0.001
MW-384	UA	E006	Chloride, total	mg/L	01/21/16 - 07/17/24	26	0	CB around T-S line	442	1,370
MW-384	UA	E006	Chromium, total	mg/L	01/21/16 - 07/17/24	25	88	CB around T-S line	0.0015	0.0125
MW-384	UA	E006	Cobalt, total	mg/L	01/21/16 - 07/17/24	23	96	Most recent sample	0.001	0.00220
MW-384	UA	E006	Fluoride, total	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	4.19	3.36

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BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-384	UA	E006	Lead, total	mg/L	01/21/16 - 07/17/24	22	96	CI around median	0.001	0.00220
MW-384	UA	E006	Lithium, total	mg/L	01/21/16 - 07/17/24	25	0	CB around linear reg	0.0422	0.123
MW-384	UA	E006	Mercury, total	mg/L	01/21/16 - 07/17/24	20	100	All ND - Last	0.0002	0.0002
MW-384	UA	E006	Molybdenum, total	mg/L	01/21/16 - 07/17/24	25	0	CI around mean	0.0174	0.0782
MW-384	UA	E006	pH (field)	SU	01/21/16 - 07/17/24	26	0	CB around T-S line	8.0/8.1	7.3/8.4
MW-384	UA	E006	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 07/17/24	25	0	CI around geomean	0.376	4.14
MW-384	UA	E006	Selenium, total	mg/L	01/21/16 - 07/17/24	25	100	All ND - Last	0.001	0.00320
MW-384	UA	E006	Sulfate, total	mg/L	01/21/16 - 07/17/24	26	4	CB around linear reg	-7.68	228
MW-384	UA	E006	Thallium, total	mg/L	01/21/16 - 07/17/24	22	100	All ND - Last	0.002	0.002
MW-384	UA	E006	Total Dissolved Solids	mg/L	01/21/16 - 07/17/24	26	0	CB around linear reg	1,510	3,260
MW-390	UA	E006	Antimony, total	mg/L	03/22/16 - 07/17/24	25	96	CI around median	0.001	0.00230
MW-390	UA	E006	Arsenic, total	mg/L	03/22/16 - 07/17/24	25	12	CI around median	0.0013	0.00578
MW-390	UA	E006	Barium, total	mg/L	03/22/16 - 07/17/24	25	0	CI around mean	0.0472	0.261
MW-390	UA	E006	Beryllium, total	mg/L	03/22/16 - 07/17/24	20	100	All ND - Last	0.001	0.001
MW-390	UA	E006	Boron, total	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	0.365	2.23
MW-390	UA	E006	Cadmium, total	mg/L	03/22/16 - 07/17/24	20	100	All ND - Last	0.001	0.001
MW-390	UA	E006	Chloride, total	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	64.6	1,370
MW-390	UA	E006	Chromium, total	mg/L	03/22/16 - 07/17/24	25	96	CB around T-S line	0.00144	0.0125
MW-390	UA	E006	Cobalt, total	mg/L	03/22/16 - 07/17/24	23	65	CI around median	0.001	0.00220
MW-390	UA	E006	Fluoride, total	mg/L	03/22/16 - 07/17/24	26	0	CI around median	0.82	3.36
MW-390	UA	E006	Lead, total	mg/L	03/22/16 - 07/17/24	22	91	CI around median	0.001	0.00220
MW-390	UA	E006	Lithium, total	mg/L	03/22/16 - 07/17/24	25	4	CI around mean	0.0208	0.123
MW-390	UA	E006	Mercury, total	mg/L	03/22/16 - 07/17/24	20	100	All ND - Last	0.0002	0.0002
MW-390	UA	E006	Molybdenum, total	mg/L	03/22/16 - 07/17/24	25	4	CI around geomean	0.00312	0.0782
MW-390	UA	E006	pH (field)	SU	03/22/16 - 07/17/24	26	0	CI around mean	7.1/7.3	7.3/8.4
MW-390	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 07/17/24	25	0	CI around geomean	0.575	4.14
MW-390	UA	E006	Selenium, total	mg/L	03/22/16 - 07/17/24	25	92	CI around median	0.001	0.00320

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COMPARISON TO BACKGROUND - QUARTER 3, 2024
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FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-390	UA	E006	Sulfate, total	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	140	228
MW-390	UA	E006	Thallium, total	mg/L	03/22/16 - 07/17/24	22	100	All ND - Last	0.002	0.002
MW-390	UA	E006	Total Dissolved Solids	mg/L	03/22/16 - 07/17/24	26	0	CI around geomean	692	3,260
MW-391	UA	E006	Antimony, total	mg/L	12/22/16 - 07/19/24	18	6	CI around mean	0.00141	0.00230
MW-391	UA	E006	Arsenic, total	mg/L	12/22/16 - 07/19/24	18	6	CB around T-S line	0.00211	0.00578
MW-391	UA	E006	Barium, total	mg/L	12/22/16 - 07/19/24	18	0	CI around geomean	0.0211	0.261
MW-391	UA	E006	Beryllium, total	mg/L	12/22/16 - 07/19/24	13	100	All ND - Last	0.001	0.001
MW-391	UA	E006	Boron, total	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	2.34	2.23
MW-391	UA	E006	Cadmium, total	mg/L	12/22/16 - 07/19/24	13	100	All ND - Last	0.001	0.001
MW-391	UA	E006	Chloride, total	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	145	1,370
MW-391	UA	E006	Chromium, total	mg/L	12/22/16 - 07/19/24	18	78	CB around T-S line	0.0015	0.0125
MW-391	UA	E006	Cobalt, total	mg/L	12/22/16 - 07/19/24	16	88	CI around median	0.001	0.00220
MW-391	UA	E006	Fluoride, total	mg/L	12/22/16 - 07/19/24	18	0	CB around T-S line	2.61	3.36
MW-391	UA	E006	Lead, total	mg/L	12/22/16 - 07/19/24	15	93	CI around median	0.001	0.00220
MW-391	UA	E006	Lithium, total	mg/L	12/22/16 - 07/19/24	19	0	CI around mean	0.0705	0.123
MW-391	UA	E006	Mercury, total	mg/L	12/22/16 - 07/19/24	13	100	All ND - Last	0.0002	0.0002
MW-391	UA	E006	Molybdenum, total	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	0.0396	0.0782
MW-391	UA	E006	pH (field)	SU	12/22/16 - 07/19/24	20	0	CI around mean	7.6/7.8	7.3/8.4
MW-391	UA	E006	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 07/19/24	19	0	CI around geomean	0.615	4.14
MW-391	UA	E006	Selenium, total	mg/L	12/22/16 - 07/19/24	18	0	CI around geomean	0.00181	0.00320
MW-391	UA	E006	Sulfate, total	mg/L	12/22/16 - 07/19/24	18	0	CB around linear reg	-13.1	228
MW-391	UA	E006	Thallium, total	mg/L	12/22/16 - 07/19/24	16	94	CI around median	0.002	0.002
MW-391	UA	E006	Total Dissolved Solids	mg/L	12/22/16 - 07/19/24	18	0	CI around mean	1,880	3,260

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

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.
- NS[8] = A sample was not collected.
- 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
R = resample
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
FLY ASH POND SYSTEM
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
FLY ASH POND SYSTEM
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
FLY ASH POND SYSTEM
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
FLY ASH POND SYSTEM
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

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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
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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FLY ASH POND SYSTEM
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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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
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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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
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 POWER PLANT
FLY ASH POND SYSTEM
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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