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

January 30, 2024

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) 2023 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 2023

Reporting Year: 4th Quarter 2022 through 3rd Quarter 2023

Completed by: Kimberly Edmiston 11-28-2023

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. 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 10/10/2023
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: 01/10/2024

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 10/10/2023
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: 01/10/2024

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	433.9'
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 10/10/2023
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: 01/10/2024

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, 2024

Project No.
1940103649-002

2023 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.

2023 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.	**1940103649-002**
Recipient	**Dynegy Midwest Generation, LLC**
Document type	**Annual Groundwater Monitoring and Corrective Action Report**
Version	**FINAL**
Date	**January 31, 2024**
Prepared by	**Evvan G. Plank**
Checked by	**Lauren D. Cook**
Approved by	**Brian G. Hennings, PG**
Description	**Annual Report required by 35 I.A.C. § 845**

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Evvan G. Plank
Hydrogeologist

Brian G. Hennings, PG
Project Officer, Hydrogeology

CONTENTS

TABLES (IN TEXT)

TABLES (ATTACHED)

FIGURES (ATTACHED)

ATTACHMENTS

ACRONYMS AND ABBREVIATIONS

35 I.A.C.	Title 35 of the Illinois Administrative Code
ASD	Alternative Source Demonstration
BAP	Bottom Ash Pond
BPP	Baldwin Power Plant
CCA	compliance commitment agreement
CCR	coal combustion residuals
CMA	assessment of corrective measures
DMG	Dynegy Midwest Generation, LLC
E001	Quarter 2, 2023 sampling event
E001R	Quarter 2, 2023 resampling event
E002	Quarter 3, 2023 sampling event
E003	Quarter 4, 2023 sampling event
FAPS	Fly Ash Pond System
GMP	Groundwater Monitoring Plan
GWPS	groundwater protection standard
ID	identification
IEPA	Illinois Environmental Protection Agency
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 IEPA in March 2016. 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 IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. DMG entered into a compliance commitment agreement (CCA) with IEPA on December 28, 2022. As specified in the CCA, groundwater monitoring 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. 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. Monitoring of the expanded monitoring system commenced in the second quarter of 2023. All available groundwater monitoring data collected in 2023 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 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 [Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023a]), statistically derived values for constituent concentrations observed at compliance monitoring wells were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). The following GWPS exceedances were determined in 2023[1]:

- Boron in MW-150, MW-152, MW-391
- pH (field) in MW-253
- Sulfate in MW-150

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) is being evaluated for the pH observed in MW-253 which was first was observed in the third quarter (E002) sampling event. ASDs were not completed for the boron and sulfate GWPS exceedances listed above; these exceedances will be addressed in accordance with 35 I.A.C. § 845.660. The

[1] GWPS exceedances determined after January 31, 2024 will be reported in the Quarter 4, 2023 Groundwater Monitoring Data and Detected Exceedances Report.

assessment of corrective measures (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 **(Attachment B)**. Because the CMA is in progress, a remedy has not yet been selected under 35 I.A.C. § 845.670 and remedial activities have not been initiated under 35 I.A.C. § 845.780 in 2023.

In accordance with 35 I.A.C. § 845.610(b)(3)(B), statistically derived values for constituent concentrations observed at compliance monitoring wells were also evaluated for statistical exceedances over background levels **(Attachment C)**

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 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).

C. A potentiometric surface map for each groundwater elevation sampling event required by 35 I.A.C. § 845.650(b)(2) (**Figures 4 through 12**).

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 A**).

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 that provides 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.

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

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

D. 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.

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

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

G. 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.

H. 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 FAPS for calendar year 2023.

2. MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

The FAPS was closed in accordance with the Closure and Post Closure Care Plan submitted to IEPA in March 2016. 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 IEPA by October 31, 2021 in accordance with the requirements specified in 35 I.A.C. § 845.230(d) and is pending approval. DMG entered into a CCA with IEPA on December 28, 2022. The CCA required that 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. 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. 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 2023. 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 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 (**Attachment B**). Because the CMA is in progress, a remedy has not yet been selected under 35 I.A.C. § 845.670 and remedial activities have not been initiated under 35 I.A.C. § 845.780 in 2023.

3. KEY ACTIONS COMPLETED IN 2023

The proposed 35 I.A.C. § 845 monitoring system is presented in **Figure 1**. No wells were installed or decommissioned in 2023. The 2021 Groundwater Monitoring Plan was revised in 2023 (Ramboll 2023a) to incorporate data from an additional background well that was completed in 2022. Updates to the monitoring system are summarized in **Table A** below.

Table A. Groundwater Monitoring System Updates

Well type	40 C.F.R. § 257 (2015-2021)	40 C.F.R. § 257/ 35 I.A.C. § 845 (2022)	40 C.F.R. § 257/ 35 I.A.C. § 845 (after July 2023)
Background	MW-304	MW-304	MW-304
Background	MW-306	MW-306	MW-306
Compliance	MW-350	MW-350	MW-350
Compliance	MW-366	MW-366	MW-366
Compliance	MW-375	MW-375	MW-375
Compliance	MW-377	MW-377	MW-377
Compliance	MW-383	MW-383	MW-383
Compliance	MW- 384	MW- 384	MW- 384
Compliance	MW- 390	MW- 390	MW- 390
Compliance	MW- 391	MW- 391	MW- 391
Compliance		MW-150	MW-150
Compliance		MW-151	MW-151
Compliance		MW-152	MW-152
Compliance		MW-153	MW-153
Compliance		MW-252	MW-252
Compliance		MW-253	MW-253
Compliance		MW-352	MW-352
Background			MW-358

Monitoring well inspections and redevelopment of the monitoring wells that were not sampled in 2022 were also completed prior to initiating groundwater monitoring in the second quarter of 2023.

Pressure transducers equipped with data loggers were deployed in monitoring system monitoring wells for measurement of monthly water level elevations as required by 35 I.A.C. § 845.650(b)(2). **Attachment A** summarizes the groundwater elevation data collected in 2023. Potentiometric surfaces for April through December 2023 are included in **Figures 4 through 12**.

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

3.1 Sample and Analysis Summary

One groundwater sample was collected from each background and compliance well during each quarterly monitoring event beginning in the second quarter of 2023. All samples were collected and analyzed in accordance with the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023a). A summary of the samples collected from background and compliance monitoring wells in 2023 is included in **Table A** on the following page. **Table 1** is a summary of the field parameters and analytical results from the 2023 sampling events. Laboratory analytical reports and field data sheets are attached to the quarterly Groundwater Monitoring Data and Detected Exceedances Reports for Quarter 2 and Quarter 3 (Ramboll, 2023b; Ramboll, 2023c); therefore, these reports are not attached to this annual report to avoid reproduction of lengthy data transmittals that have been previously provided in hardcopy.

Table B. 35 I.A.C. § 845 Monitoring Program Summary for 2023

Event ID	Sampling Dates [1, 2, 3]	Analytical Data Receipt Date	Exceedance Determination Date [4]	ASD Completion Date	Required CMA Initiation Date [5]
E001	May 16 - 23, 2023	June 29, 2023	August 28, 2023	NA	November 26, 2023
E001R [6]	July 10, 2023	July 24, 2023	NA	NA	NA
E002	August 3 - 7, 2023	October 11, 2023	December 10, 2023	TBD	NA
E003	October 31 – November 3, 2023	December 11, 2023	TBD	TBD	NA

Notes:

ASD: Alternative Source Demonstration

CMA: assessment of corrective measures

NA: not applicable

TBD: to be determined in 2024

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

[2] The following background wells were sampled for each event: MW-304, MW-306, and MW-358

[3] The following compliance wells were sampled for each event: 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

[4] GWPS exceedances determined after January 31, 2024 will be reported in the Quarter 4, 2023 Groundwater Monitoring Data and Detected Exceedances Report.

[5] Exceedances for events E002 and E003 may be incorporated into the CMA initiated after event E001 on a case by case basis, as opposed to generating a new CMA.

[6] MW-151, MW-153, MW-352 resampled for the parameters listed in 35 I.A.C. § 845.600, calcium, and turbidity.

3.2 Exceedances of GWPS

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values 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 statistical exceedances of the GWPSs were determined and are shown on **Figures 2 and 3**[2]:

- Boron in MW-150, MW-152, MW-391
- pH (field) in MW-253
- Sulfate in MW-150

As allowed in 35 I.A.C. § 845.650(e), an ASD is being evaluated for the pH observed in MW-253 which was first was observed in the third quarter (E002) sampling event. ASDs were not completed for the boron and sulfate GWPS exceedances listed above; these exceedances will be addressed in accordance with 35 I.A.C. § 845.660. The 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 (**Attachment C**). Because the CMA is in progress, a remedy was not selected under 35 I.A.C. § 845.670 and remedial activities have not been initiated under 35 I.A.C. § 845.780 in 2023.

3.3 Exceedances of Background

In accordance with 35 I.A.C. § 845.610(b)(3)(B), groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment B** shows the statistically derived values compared to background levels.

[2] GWPS exceedances determined after January 31, 2024 will be reported in the Quarter 4, 2023 Groundwater Monitoring Data and Detected Exceedances Report.

4. PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

Groundwater monitoring commenced in the second quarter of 2023. Groundwater samples were collected and analyzed in accordance with the Groundwater Monitoring Plan Revision 1 (Ramboll, 2023a) 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.

Due to malfunctioning pressure transducers, data gaps exist in monthly water level elevations prior to the fourth quarter. Monthly depth to water measurements were collected manually in the fourth quarter. Pressure transducers were refurbished and were redeployed in January 2024.

5. KEY ACTIVITIES PLANNED FOR 2024

The following key activities are planned for 2024:

- 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 2024 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 (*i.e.,* assessment of corrective measures) will be met.
- The CMA process will continue in accordance with 35 I.A.C. § 845.660 in 2024. A CMA extension request was submitted on November 27, 2023, and approved by IEPA on December 20, 2023. The CMA will be submitted to IEPA on or before April 24, 2024.

6. REFERENCES

Illinois Administrative Code, Title 35, Subtitle G, Chapter I, Subchapter J, Part 845: Standards for The Disposal Of Coal Combustion Residuals In Surface Impoundments, effective April 21, 2021.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023a. Groundwater Monitoring Plan Revision 1, Fly Ash Pond System, Baldwin Power Plant, Baldwin, Illinois. August 25, 2023.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023b. 35 I.A.C. § 845.610(B)(3)(D) Groundwater Monitoring Data and Detected Exceedances, 2023 Quarter 2, Fly Ash Pond System, Baldwin Power Plant, Baldwin, Illinois. August 28, 2023.

Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2023c. 35 I.A.C. § 845.610(B)(3)(D) Groundwater Monitoring Data and Detected Exceedances, 2023 Quarter 3, Fly Ash Pond System, Baldwin Power Plant, Baldwin, Illinois. December 10, 2023.

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E001	05/22/2023	Antimony, total	0.0006 J	mg/L
MW-304	Background	E001	05/22/2023	Arsenic, total	0.0087 U	mg/L
MW-304	Background	E001	05/22/2023	Barium, total	0.0199	mg/L
MW-304	Background	E001	05/22/2023	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E001	05/22/2023	Boron, total	1.68 J+	mg/L
MW-304	Background	E001	05/22/2023	Cadmium, total	0.0005 U	mg/L
MW-304	Background	E001	05/22/2023	Calcium, total	9.63	mg/L
MW-304	Background	E001	05/22/2023	Chloride, total	162	mg/L
MW-304	Background	E001	05/22/2023	Chromium, total	0.0028 U	mg/L
MW-304	Background	E001	05/22/2023	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E001	05/22/2023	Dissolved Oxygen	0.810	mg/L
MW-304	Background	E001	05/22/2023	Fluoride, total	1.72	mg/L
MW-304	Background	E001	05/22/2023	Lead, total	0.004 U	mg/L
MW-304	Background	E001	05/22/2023	Lithium, total	0.0603	mg/L
MW-304	Background	E001	05/22/2023	Mercury, total	0.0001 J	mg/L
MW-304	Background	E001	05/22/2023	Molybdenum, total	0.0037 U	mg/L
MW-304	Background	E001	05/22/2023	Oxidation Reduction Potential	116	mV
MW-304	Background	E001	05/22/2023	pH (field)	7.5	SU
MW-304	Background	E001	05/22/2023	Radium 226 + Radium 228, total	0.381 <0	pCi/L
MW-304	Background	E001	05/22/2023	Selenium, total	0.0006 U	mg/L
MW-304	Background	E001	05/22/2023	Specific Conductance @ 25C (field)	1,690	micromhos/cm
MW-304	Background	E001	05/22/2023	Sulfate, total	208	mg/L
MW-304	Background	E001	05/22/2023	Temperature	15.2	degrees C
MW-304	Background	E001	05/22/2023	Thallium, total	0.001 U	mg/L
MW-304	Background	E001	05/22/2023	Total Dissolved Solids	1,420	mg/L
MW-304	Background	E001	05/22/2023	Turbidity, field	1 U	NTU
MW-306	Background	E001	05/23/2023	Antimony, total	0.00140	mg/L
MW-306	Background	E001	05/23/2023	Arsenic, total	0.0087 U	mg/L
MW-306	Background	E001	05/23/2023	Barium, total	0.0139	mg/L
MW-306	Background	E001	05/23/2023	Beryllium, total	0.0002 U	mg/L
MW-306	Background	E001	05/23/2023	Boron, total	0.190 J+	mg/L
MW-306	Background	E001	05/23/2023	Cadmium, total	0.0005 U	mg/L
MW-306	Background	E001	05/23/2023	Calcium, total	34.6	mg/L
MW-306	Background	E001	05/23/2023	Chloride, total	53.0	mg/L
MW-306	Background	E001	05/23/2023	Chromium, total	0.0028 U	mg/L
MW-306	Background	E001	05/23/2023	Cobalt, total	0.0004 J	mg/L
MW-306	Background	E001	05/23/2023	Dissolved Oxygen	2.30	mg/L
MW-306	Background	E001	05/23/2023	Fluoride, total	0.540	mg/L
MW-306	Background	E001	05/23/2023	Lead, total	0.004 U	mg/L
MW-306	Background	E001	05/23/2023	Lithium, total	0.0118	mg/L
MW-306	Background	E001	05/23/2023	Mercury, total	0.00006 U	mg/L
MW-306	Background	E001	05/23/2023	Molybdenum, total	0.0233	mg/L
MW-306	Background	E001	05/23/2023	Oxidation Reduction Potential	-30.0	mV
MW-306	Background	E001	05/23/2023	pH (field)	11.1	SU
MW-306	Background	E001	05/23/2023	Radium 226 + Radium 228, total	0.133	pCi/L
MW-306	Background	E001	05/23/2023	Selenium, total	0.0007 J	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-306	Background	E001	05/23/2023	Specific Conductance @ 25C (field)	490	micromhos/cm
MW-306	Background	E001	05/23/2023	Sulfate, total	46.0 J+	mg/L
MW-306	Background	E001	05/23/2023	Temperature	15.4	degrees C
MW-306	Background	E001	05/23/2023	Thallium, total	0.001 U	mg/L
MW-306	Background	E001	05/23/2023	Total Dissolved Solids	300	mg/L
MW-306	Background	E001	05/23/2023	Turbidity, field	1 U	NTU
MW-150	Compliance	E001	05/18/2023	Antimony, total	0.0004 U	mg/L
MW-150	Compliance	E001	05/18/2023	Arsenic, total	0.0087 U	mg/L
MW-150	Compliance	E001	05/18/2023	Barium, total	0.0170	mg/L
MW-150	Compliance	E001	05/18/2023	Beryllium, total	0.0002 U	mg/L
MW-150	Compliance	E001	05/18/2023	Boron, total	4.12 J+	mg/L
MW-150	Compliance	E001	05/18/2023	Cadmium, total	0.0005 U	mg/L
MW-150	Compliance	E001	05/18/2023	Calcium, total	223	mg/L
MW-150	Compliance	E001	05/18/2023	Chloride, total	56.0	mg/L
MW-150	Compliance	E001	05/18/2023	Chromium, total	0.0028 U	mg/L
MW-150	Compliance	E001	05/18/2023	Cobalt, total	0.0001 U	mg/L
MW-150	Compliance	E001	05/18/2023	Dissolved Oxygen	2.21	mg/L
MW-150	Compliance	E001	05/18/2023	Fluoride, total	0.700	mg/L
MW-150	Compliance	E001	05/18/2023	Lead, total	0.004 U	mg/L
MW-150	Compliance	E001	05/18/2023	Lithium, total	0.0506 J+	mg/L
MW-150	Compliance	E001	05/18/2023	Mercury, total	0.00006 U	mg/L
MW-150	Compliance	E001	05/18/2023	Molybdenum, total	0.0037 U	mg/L
MW-150	Compliance	E001	05/18/2023	Oxidation Reduction Potential	20.0	mV
MW-150	Compliance	E001	05/18/2023	pH (field)	7.1	SU
MW-150	Compliance	E001	05/18/2023	Radium 226 + Radium 228, total	1.39 J+	pCi/L
MW-150	Compliance	E001	05/18/2023	Selenium, total	0.00150	mg/L
MW-150	Compliance	E001	05/18/2023	Specific Conductance @ 25C (field)	2,220	micromhos/cm
MW-150	Compliance	E001	05/18/2023	Sulfate, total	970	mg/L
MW-150	Compliance	E001	05/18/2023	Temperature	13.6	degrees C
MW-150	Compliance	E001	05/18/2023	Thallium, total	0.001 U	mg/L
MW-150	Compliance	E001	05/18/2023	Total Dissolved Solids	1,790	mg/L
MW-150	Compliance	E001	05/18/2023	Turbidity, field	1.00	NTU
MW-151	Compliance	E001	05/18/2023	Antimony, total	0.0004 U	mg/L
MW-151	Compliance	E001R	07/10/2023	Antimony, total	0.0008 J	mg/L
MW-151	Compliance	E001	05/18/2023	Arsenic, total	0.0087 U	mg/L
MW-151	Compliance	E001R	07/10/2023	Arsenic, total	0.0087 U	mg/L
MW-151	Compliance	E001	05/18/2023	Barium, total	0.138	mg/L
MW-151	Compliance	E001R	07/10/2023	Barium, total	0.0550	mg/L
MW-151	Compliance	E001	05/18/2023	Beryllium, total	0.00150	mg/L
MW-151	Compliance	E001R	07/10/2023	Beryllium, total	0.0002 U	mg/L
MW-151	Compliance	E001	05/18/2023	Boron, total	0.345 J+	mg/L
MW-151	Compliance	E001R	07/10/2023	Boron, total	0.749	mg/L
MW-151	Compliance	E001	05/18/2023	Cadmium, total	0.0005 U	mg/L
MW-151	Compliance	E001R	07/10/2023	Cadmium, total	0.0005 U	mg/L
MW-151	Compliance	E001	05/18/2023	Calcium, total	187	mg/L
MW-151	Compliance	E001R	07/10/2023	Calcium, total	116	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-151	Compliance	E001	05/18/2023	Chloride, total	46.0	mg/L
MW-151	Compliance	E001R	07/10/2023	Chloride, total	38.0	mg/L
MW-151	Compliance	E001	05/18/2023	Chromium, total	0.0280	mg/L
MW-151	Compliance	E001R	07/10/2023	Chromium, total	0.0028 U	mg/L
MW-151	Compliance	E001	05/18/2023	Cobalt, total	0.0172	mg/L
MW-151	Compliance	E001R	07/10/2023	Cobalt, total	0.0006 J	mg/L
MW-151	Compliance	E001	05/18/2023	Dissolved Oxygen	1.48	mg/L
MW-151	Compliance	E001R	07/10/2023	Dissolved Oxygen	19.3	mg/L
MW-151	Compliance	E001	05/18/2023	Fluoride, total	0.540	mg/L
MW-151	Compliance	E001R	07/10/2023	Fluoride, total	0.530	mg/L
MW-151	Compliance	E001	05/18/2023	Lead, total	0.0200	mg/L
MW-151	Compliance	E001R	07/10/2023	Lead, total	0.004 U	mg/L
MW-151	Compliance	E001	05/18/2023	Lithium, total	0.0323 J+	mg/L
MW-151	Compliance	E001R	07/10/2023	Lithium, total	0.0277	mg/L
MW-151	Compliance	E001	05/18/2023	Mercury, total	0.00006 U	mg/L
MW-151	Compliance	E001R	07/10/2023	Mercury, total	0.00006 U	mg/L
MW-151	Compliance	E001	05/18/2023	Molybdenum, total	0.0037 U	mg/L
MW-151	Compliance	E001R	07/10/2023	Molybdenum, total	0.0037 U	mg/L
MW-151	Compliance	E001	05/18/2023	Oxidation Reduction Potential	125	mV
MW-151	Compliance	E001R	07/10/2023	Oxidation Reduction Potential	125	mV
MW-151	Compliance	E001	05/18/2023	pH (field)	6.8	SU
MW-151	Compliance	E001R	07/10/2023	pH (field)	7.0	SU
MW-151	Compliance	E001	05/18/2023	Radium 226 + Radium 228, total	2.92 J+	pCi/L
MW-151	Compliance	E001R	07/10/2023	Radium 226 + Radium 228, total	0.235	pCi/L
MW-151	Compliance	E001	05/18/2023	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E001R	07/10/2023	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E001	05/18/2023	Specific Conductance @ 25C (field)	991	micromhos/cm
MW-151	Compliance	E001R	07/10/2023	Specific Conductance @ 25C (field)	922	micromhos/cm
MW-151	Compliance	E001	05/18/2023	Sulfate, total	74.0 J-	mg/L
MW-151	Compliance	E001R	07/10/2023	Sulfate, total	82.0	mg/L
MW-151	Compliance	E001	05/18/2023	Temperature	12.6	degrees C
MW-151	Compliance	E001R	07/10/2023	Temperature	15.2	degrees C
MW-151	Compliance	E001	05/18/2023	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E001R	07/10/2023	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E001	05/18/2023	Total Dissolved Solids	545	mg/L
MW-151	Compliance	E001R	07/10/2023	Total Dissolved Solids	602	mg/L
MW-151	Compliance	E001	05/18/2023	Turbidity, field	70.0	NTU
MW-151	Compliance	E001R	07/10/2023	Turbidity, field	15.0	NTU
MW-152	Compliance	E001	05/18/2023	Antimony, total	0.0004 U	mg/L
MW-152	Compliance	E001	05/18/2023	Arsenic, total	0.0087 U	mg/L
MW-152	Compliance	E001	05/18/2023	Barium, total	0.0167	mg/L
MW-152	Compliance	E001	05/18/2023	Beryllium, total	0.0002 U	mg/L
MW-152	Compliance	E001	05/18/2023	Boron, total	0.515 J+	mg/L
MW-152	Compliance	E001	05/18/2023	Cadmium, total	0.0005 U	mg/L
MW-152	Compliance	E001	05/18/2023	Calcium, total	116	mg/L
MW-152	Compliance	E001	05/18/2023	Chloride, total	8.00	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-152	Compliance	E001	05/18/2023	Chromium, total	0.0028 U	mg/L
MW-152	Compliance	E001	05/18/2023	Cobalt, total	0.0007 J	mg/L
MW-152	Compliance	E001	05/18/2023	Dissolved Oxygen	0.810	mg/L
MW-152	Compliance	E001	05/18/2023	Fluoride, total	0.310	mg/L
MW-152	Compliance	E001	05/18/2023	Lead, total	0.004 U	mg/L
MW-152	Compliance	E001	05/18/2023	Lithium, total	0.005 UJ	mg/L
MW-152	Compliance	E001	05/18/2023	Mercury, total	0.00006 U	mg/L
MW-152	Compliance	E001	05/18/2023	Molybdenum, total	0.0037 U	mg/L
MW-152	Compliance	E001	05/18/2023	Oxidation Reduction Potential	126	mV
MW-152	Compliance	E001	05/18/2023	pH (field)	6.9	SU
MW-152	Compliance	E001	05/18/2023	Radium 226 + Radium 228, total	0.179	pCi/L
MW-152	Compliance	E001	05/18/2023	Selenium, total	0.0006 J	mg/L
MW-152	Compliance	E001	05/18/2023	Specific Conductance @ 25C (field)	1,090	micromhos/cm
MW-152	Compliance	E001	05/18/2023	Sulfate, total	242	mg/L
MW-152	Compliance	E001	05/18/2023	Temperature	12.7	degrees C
MW-152	Compliance	E001	05/18/2023	Thallium, total	0.001 U	mg/L
MW-152	Compliance	E001	05/18/2023	Total Dissolved Solids	706	mg/L
MW-152	Compliance	E001	05/18/2023	Turbidity, field	12.0	NTU
MW-153	Compliance	E001	05/22/2023	Antimony, total	0.0004 U	mg/L
MW-153	Compliance	E001R	07/10/2023	Antimony, total	0.0008 U	mg/L
MW-153	Compliance	E001	05/22/2023	Arsenic, total	0.0087 U	mg/L
MW-153	Compliance	E001R	07/10/2023	Arsenic, total	0.0087 U	mg/L
MW-153	Compliance	E001	05/22/2023	Barium, total	0.0867	mg/L
MW-153	Compliance	E001R	07/10/2023	Barium, total	0.0365	mg/L
MW-153	Compliance	E001	05/22/2023	Beryllium, total	0.000600	mg/L
MW-153	Compliance	E001R	07/10/2023	Beryllium, total	0.0002 U	mg/L
MW-153	Compliance	E001	05/22/2023	Boron, total	0.2 U	mg/L
MW-153	Compliance	E001R	07/10/2023	Boron, total	0.009 U	mg/L
MW-153	Compliance	E001	05/22/2023	Cadmium, total	0.0005 U	mg/L
MW-153	Compliance	E001R	07/10/2023	Cadmium, total	0.0005 U	mg/L
MW-153	Compliance	E001	05/22/2023	Calcium, total	50.6	mg/L
MW-153	Compliance	E001R	07/10/2023	Calcium, total	48.8	mg/L
MW-153	Compliance	E001	05/22/2023	Chloride, total	16.0	mg/L
MW-153	Compliance	E001R	07/10/2023	Chloride, total	15.0	mg/L
MW-153	Compliance	E001	05/22/2023	Chromium, total	0.0119	mg/L
MW-153	Compliance	E001R	07/10/2023	Chromium, total	0.0028 U	mg/L
MW-153	Compliance	E001	05/22/2023	Cobalt, total	0.00230	mg/L
MW-153	Compliance	E001R	07/10/2023	Cobalt, total	0.0004 U	mg/L
MW-153	Compliance	E001	05/22/2023	Dissolved Oxygen	2.54	mg/L
MW-153	Compliance	E001R	07/10/2023	Dissolved Oxygen	19.9	mg/L
MW-153	Compliance	E001	05/22/2023	Fluoride, total	0.360	mg/L
MW-153	Compliance	E001R	07/10/2023	Fluoride, total	0.390	mg/L
MW-153	Compliance	E001	05/22/2023	Lead, total	0.00830	mg/L
MW-153	Compliance	E001R	07/10/2023	Lead, total	0.004 U	mg/L
MW-153	Compliance	E001	05/22/2023	Lithium, total	0.0019 U	mg/L
MW-153	Compliance	E001R	07/10/2023	Lithium, total	0.00340	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-153	Compliance	E001	05/22/2023	Mercury, total	0.00008 J	mg/L
MW-153	Compliance	E001R	07/10/2023	Mercury, total	0.00006 U	mg/L
MW-153	Compliance	E001	05/22/2023	Molybdenum, total	0.0037 U	mg/L
MW-153	Compliance	E001R	07/10/2023	Molybdenum, total	0.0037 U	mg/L
MW-153	Compliance	E001	05/22/2023	Oxidation Reduction Potential	117	mV
MW-153	Compliance	E001R	07/10/2023	Oxidation Reduction Potential	150	mV
MW-153	Compliance	E001	05/22/2023	pH (field)	7.2	SU
MW-153	Compliance	E001R	07/10/2023	pH (field)	6.8	SU
MW-153	Compliance	E001	05/22/2023	Radium 226 + Radium 228, total	2.68 J+	pCi/L
MW-153	Compliance	E001R	07/10/2023	Radium 226 + Radium 228, total	0.732 J+	pCi/L
MW-153	Compliance	E001	05/22/2023	Selenium, total	0.00260	mg/L
MW-153	Compliance	E001R	07/10/2023	Selenium, total	0.00240 J+	mg/L
MW-153	Compliance	E001	05/22/2023	Specific Conductance @ 25C (field)	436	micromhos/cm
MW-153	Compliance	E001R	07/10/2023	Specific Conductance @ 25C (field)	570	micromhos/cm
MW-153	Compliance	E001	05/22/2023	Sulfate, total	75.0	mg/L
MW-153	Compliance	E001R	07/10/2023	Sulfate, total	62.0	mg/L
MW-153	Compliance	E001	05/22/2023	Temperature	13.5	degrees C
MW-153	Compliance	E001R	07/10/2023	Temperature	15.6	degrees C
MW-153	Compliance	E001	05/22/2023	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E001R	07/10/2023	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E001	05/22/2023	Total Dissolved Solids	350	mg/L
MW-153	Compliance	E001R	07/10/2023	Total Dissolved Solids	378	mg/L
MW-153	Compliance	E001	05/22/2023	Turbidity, field	42.0	NTU
MW-153	Compliance	E001R	07/10/2023	Turbidity, field	8.40	NTU
MW-252	Compliance	E001	05/18/2023	Antimony, total	0.00360	mg/L
MW-252	Compliance	E001	05/18/2023	Arsenic, total	0.0087 U	mg/L
MW-252	Compliance	E001	05/18/2023	Barium, total	0.0377	mg/L
MW-252	Compliance	E001	05/18/2023	Beryllium, total	0.0002 U	mg/L
MW-252	Compliance	E001	05/18/2023	Boron, total	0.174 J+	mg/L
MW-252	Compliance	E001	05/18/2023	Cadmium, total	0.0005 U	mg/L
MW-252	Compliance	E001	05/18/2023	Calcium, total	224	mg/L
MW-252	Compliance	E001	05/18/2023	Chloride, total	38.0	mg/L
MW-252	Compliance	E001	05/18/2023	Chromium, total	0.0028 U	mg/L
MW-252	Compliance	E001	05/18/2023	Cobalt, total	0.00220	mg/L
MW-252	Compliance	E001	05/18/2023	Dissolved Oxygen	1.19	mg/L
MW-252	Compliance	E001	05/18/2023	Fluoride, total	0.220	mg/L
MW-252	Compliance	E001	05/18/2023	Lead, total	0.004 U	mg/L
MW-252	Compliance	E001	05/18/2023	Lithium, total	0.0102 J+	mg/L
MW-252	Compliance	E001	05/18/2023	Mercury, total	0.00006 U	mg/L
MW-252	Compliance	E001	05/18/2023	Molybdenum, total	0.0037 U	mg/L
MW-252	Compliance	E001	05/18/2023	Oxidation Reduction Potential	62.0	mV
MW-252	Compliance	E001	05/18/2023	pH (field)	6.8	SU
MW-252	Compliance	E001	05/18/2023	Radium 226 + Radium 228, total	0.237	pCi/L
MW-252	Compliance	E001	05/18/2023	Selenium, total	0.0006 U	mg/L
MW-252	Compliance	E001	05/18/2023	Specific Conductance @ 25C (field)	1,690	micromhos/cm
MW-252	Compliance	E001	05/18/2023	Sulfate, total	454	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-252	Compliance	E001	05/18/2023	Temperature	14.3	degrees C
MW-252	Compliance	E001	05/18/2023	Thallium, total	0.001 U	mg/L
MW-252	Compliance	E001	05/18/2023	Total Dissolved Solids	1,200	mg/L
MW-252	Compliance	E001	05/18/2023	Turbidity, field	10.0	NTU
MW-350	Compliance	E001	05/18/2023	Antimony, total	0.00110	mg/L
MW-350	Compliance	E001	05/18/2023	Arsenic, total	0.0087 U	mg/L
MW-350	Compliance	E001	05/18/2023	Barium, total	0.327	mg/L
MW-350	Compliance	E001	05/18/2023	Beryllium, total	0.0002 U	mg/L
MW-350	Compliance	E001	05/18/2023	Boron, total	0.560 J+	mg/L
MW-350	Compliance	E001	05/18/2023	Cadmium, total	0.0005 U	mg/L
MW-350	Compliance	E001	05/18/2023	Calcium, total	84.0	mg/L
MW-350	Compliance	E001	05/18/2023	Chloride, total	50.0	mg/L
MW-350	Compliance	E001	05/18/2023	Chromium, total	0.0028 U	mg/L
MW-350	Compliance	E001	05/18/2023	Cobalt, total	0.0001 U	mg/L
MW-350	Compliance	E001	05/18/2023	Dissolved Oxygen	0.960	mg/L
MW-350	Compliance	E001	05/18/2023	Fluoride, total	0.170	mg/L
MW-350	Compliance	E001	05/18/2023	Lead, total	0.004 U	mg/L
MW-350	Compliance	E001	05/18/2023	Lithium, total	0.0664 J+	mg/L
MW-350	Compliance	E001	05/18/2023	Mercury, total	0.00006 U	mg/L
MW-350	Compliance	E001	05/18/2023	Molybdenum, total	0.0037 U	mg/L
MW-350	Compliance	E001	05/18/2023	Oxidation Reduction Potential	-123	mV
MW-350	Compliance	E001	05/18/2023	pH (field)	11.4	SU
MW-350	Compliance	E001	05/18/2023	Radium 226 + Radium 228, total	1.20 J+	pCi/L
MW-350	Compliance	E001	05/18/2023	Selenium, total	0.0006 U	mg/L
MW-350	Compliance	E001	05/18/2023	Specific Conductance @ 25C (field)	1,240	micromhos/cm
MW-350	Compliance	E001	05/18/2023	Sulfate, total	97.0	mg/L
MW-350	Compliance	E001	05/18/2023	Temperature	14.1	degrees C
MW-350	Compliance	E001	05/18/2023	Thallium, total	0.001 U	mg/L
MW-350	Compliance	E001	05/18/2023	Total Dissolved Solids	420	mg/L
MW-350	Compliance	E001	05/18/2023	Turbidity, field	2.30	NTU
MW-352	Compliance	E001	05/18/2023	Antimony, total	0.0004 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Antimony, total	0.0008 U	mg/L
MW-352	Compliance	E001	05/18/2023	Arsenic, total	0.0087 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Arsenic, total	0.0087 U	mg/L
MW-352	Compliance	E001	05/18/2023	Barium, total	0.0891	mg/L
MW-352	Compliance	E001R	07/10/2023	Barium, total	0.0898	mg/L
MW-352	Compliance	E001	05/18/2023	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E001	05/18/2023	Boron, total	2.04 J+	mg/L
MW-352	Compliance	E001R	07/10/2023	Boron, total	2.10	mg/L
MW-352	Compliance	E001	05/18/2023	Cadmium, total	0.0005 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Cadmium, total	0.0005 U	mg/L
MW-352	Compliance	E001	05/18/2023	Calcium, total	88.3	mg/L
MW-352	Compliance	E001R	07/10/2023	Calcium, total	105	mg/L
MW-352	Compliance	E001	05/18/2023	Chloride, total	569	mg/L
MW-352	Compliance	E001R	07/10/2023	Chloride, total	582	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-352	Compliance	E001	05/18/2023	Chromium, total	0.0028 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Chromium, total	0.0028 U	mg/L
MW-352	Compliance	E001	05/18/2023	Cobalt, total	0.0001 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Cobalt, total	0.0004 U	mg/L
MW-352	Compliance	E001	05/18/2023	Dissolved Oxygen	0.800	mg/L
MW-352	Compliance	E001R	07/10/2023	Dissolved Oxygen	14.2	mg/L
MW-352	Compliance	E001	05/18/2023	Fluoride, total	1.27	mg/L
MW-352	Compliance	E001R	07/10/2023	Fluoride, total	1.46	mg/L
MW-352	Compliance	E001	05/18/2023	Lead, total	0.004 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Lead, total	0.004 U	mg/L
MW-352	Compliance	E001	05/18/2023	Lithium, total	0.0934 J+	mg/L
MW-352	Compliance	E001R	07/10/2023	Lithium, total	0.102	mg/L
MW-352	Compliance	E001	05/18/2023	Mercury, total	0.00006 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Mercury, total	0.00006 U	mg/L
MW-352	Compliance	E001	05/18/2023	Molybdenum, total	0.0037 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Molybdenum, total	0.0037 U	mg/L
MW-352	Compliance	E001	05/18/2023	Oxidation Reduction Potential	-119	mV
MW-352	Compliance	E001R	07/10/2023	Oxidation Reduction Potential	65.0	mV
MW-352	Compliance	E001	05/18/2023	pH (field)	7.4	SU
MW-352	Compliance	E001R	07/10/2023	pH (field)	7.3	SU
MW-352	Compliance	E001	05/18/2023	Radium 226 + Radium 228, total	1.09 J+	pCi/L
MW-352	Compliance	E001R	07/10/2023	Radium 226 + Radium 228, total	1.06 J	pCi/L
MW-352	Compliance	E001	05/18/2023	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E001	05/18/2023	Specific Conductance @ 25C (field)	2,160	micromhos/cm
MW-352	Compliance	E001R	07/10/2023	Specific Conductance @ 25C (field)	2,040	micromhos/cm
MW-352	Compliance	E001	05/18/2023	Sulfate, total	10 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Sulfate, total	7 J	mg/L
MW-352	Compliance	E001	05/18/2023	Temperature	14.8	degrees C
MW-352	Compliance	E001R	07/10/2023	Temperature	19.5	degrees C
MW-352	Compliance	E001	05/18/2023	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E001R	07/10/2023	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E001	05/18/2023	Total Dissolved Solids	1,270	mg/L
MW-352	Compliance	E001R	07/10/2023	Total Dissolved Solids	1,330	mg/L
MW-352	Compliance	E001	05/18/2023	Turbidity, field	3.00	NTU
MW-352	Compliance	E001R	07/10/2023	Turbidity, field	3.20	NTU
MW-366	Compliance	E001	05/16/2023	Antimony, total	0.0006 J	mg/L
MW-366	Compliance	E001	05/16/2023	Arsenic, total	0.0087 U	mg/L
MW-366	Compliance	E001	05/16/2023	Barium, total	0.0305	mg/L
MW-366	Compliance	E001	05/16/2023	Beryllium, total	0.0002 U	mg/L
MW-366	Compliance	E001	05/16/2023	Boron, total	1.74 J+	mg/L
MW-366	Compliance	E001	05/16/2023	Cadmium, total	0.0005 U	mg/L
MW-366	Compliance	E001	05/16/2023	Calcium, total	187	mg/L
MW-366	Compliance	E001	05/16/2023	Chloride, total	48.0	mg/L
MW-366	Compliance	E001	05/16/2023	Chromium, total	0.0028 U	mg/L
MW-366	Compliance	E001	05/16/2023	Cobalt, total	0.00310	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-366	Compliance	E001	05/16/2023	Dissolved Oxygen	1.84	mg/L
MW-366	Compliance	E001	05/16/2023	Fluoride, total	0.330	mg/L
MW-366	Compliance	E001	05/16/2023	Lead, total	0.004 U	mg/L
MW-366	Compliance	E001	05/16/2023	Lithium, total	0.005 UJ	mg/L
MW-366	Compliance	E001	05/16/2023	Mercury, total	0.00006 U	mg/L
MW-366	Compliance	E001	05/16/2023	Molybdenum, total	0.0039 J	mg/L
MW-366	Compliance	E001	05/16/2023	Oxidation Reduction Potential	95.0	mV
MW-366	Compliance	E001	05/16/2023	pH (field)	6.9	SU
MW-366	Compliance	E001	05/16/2023	Radium 226 + Radium 228, total	0.168	pCi/L
MW-366	Compliance	E001	05/16/2023	Selenium, total	0.0006 U	mg/L
MW-366	Compliance	E001	05/16/2023	Specific Conductance @ 25C (field)	1,580	micromhos/cm
MW-366	Compliance	E001	05/16/2023	Sulfate, total	502	mg/L
MW-366	Compliance	E001	05/16/2023	Temperature	14.5	degrees C
MW-366	Compliance	E001	05/16/2023	Thallium, total	0.001 U	mg/L
MW-366	Compliance	E001	05/16/2023	Total Dissolved Solids	1,160	mg/L
MW-366	Compliance	E001	05/16/2023	Turbidity, field	2.80	NTU
MW-375	Compliance	E001	05/18/2023	Antimony, total	0.00110	mg/L
MW-375	Compliance	E001	05/18/2023	Arsenic, total	0.0087 U	mg/L
MW-375	Compliance	E001	05/18/2023	Barium, total	0.0290	mg/L
MW-375	Compliance	E001	05/18/2023	Beryllium, total	0.0002 U	mg/L
MW-375	Compliance	E001	05/18/2023	Boron, total	1.45 J+	mg/L
MW-375	Compliance	E001	05/18/2023	Cadmium, total	0.0005 U	mg/L
MW-375	Compliance	E001	05/18/2023	Calcium, total	13.7	mg/L
MW-375	Compliance	E001	05/18/2023	Chloride, total	90.0	mg/L
MW-375	Compliance	E001	05/18/2023	Chromium, total	0.0028 U	mg/L
MW-375	Compliance	E001	05/18/2023	Cobalt, total	0.0001 J	mg/L
MW-375	Compliance	E001	05/18/2023	Dissolved Oxygen	0.830	mg/L
MW-375	Compliance	E001	05/18/2023	Fluoride, total	2.34	mg/L
MW-375	Compliance	E001	05/18/2023	Lead, total	0.004 U	mg/L
MW-375	Compliance	E001	05/18/2023	Lithium, total	0.0637 J+	mg/L
MW-375	Compliance	E001	05/18/2023	Mercury, total	0.00006 U	mg/L
MW-375	Compliance	E001	05/18/2023	Molybdenum, total	0.0308	mg/L
MW-375	Compliance	E001	05/18/2023	Oxidation Reduction Potential	7.00	mV
MW-375	Compliance	E001	05/18/2023	pH (field)	7.7	SU
MW-375	Compliance	E001	05/18/2023	Radium 226 + Radium 228, total	0.624 J+	pCi/L
MW-375	Compliance	E001	05/18/2023	Selenium, total	0.0006 U	mg/L
MW-375	Compliance	E001	05/18/2023	Specific Conductance @ 25C (field)	1,620	micromhos/cm
MW-375	Compliance	E001	05/18/2023	Sulfate, total	104	mg/L
MW-375	Compliance	E001	05/18/2023	Temperature	15.0	degrees C
MW-375	Compliance	E001	05/18/2023	Thallium, total	0.001 U	mg/L
MW-375	Compliance	E001	05/18/2023	Total Dissolved Solids	950	mg/L
MW-375	Compliance	E001	05/18/2023	Turbidity, field	1 U	NTU
MW-377	Compliance	E001	05/22/2023	Antimony, total	0.0004 U	mg/L
MW-377	Compliance	E001	05/22/2023	Arsenic, total	0.0087 U	mg/L
MW-377	Compliance	E001	05/22/2023	Barium, total	0.0603	mg/L
MW-377	Compliance	E001	05/22/2023	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-377	Compliance	E001	05/22/2023	Boron, total	1.71 J+	mg/L
MW-377	Compliance	E001	05/22/2023	Cadmium, total	0.0005 U	mg/L
MW-377	Compliance	E001	05/22/2023	Calcium, total	53.2	mg/L
MW-377	Compliance	E001	05/22/2023	Chloride, total	93.0	mg/L
MW-377	Compliance	E001	05/22/2023	Chromium, total	0.0028 U	mg/L
MW-377	Compliance	E001	05/22/2023	Cobalt, total	0.0003 J	mg/L
MW-377	Compliance	E001	05/22/2023	Dissolved Oxygen	1.85	mg/L
MW-377	Compliance	E001	05/22/2023	Fluoride, total	1.14	mg/L
MW-377	Compliance	E001	05/22/2023	Lead, total	0.004 U	mg/L
MW-377	Compliance	E001	05/22/2023	Lithium, total	0.0520	mg/L
MW-377	Compliance	E001	05/22/2023	Mercury, total	0.00008 J	mg/L
MW-377	Compliance	E001	05/22/2023	Molybdenum, total	0.0037 U	mg/L
MW-377	Compliance	E001	05/22/2023	Oxidation Reduction Potential	108	mV
MW-377	Compliance	E001	05/22/2023	pH (field)	7.0	SU
MW-377	Compliance	E001	05/22/2023	Radium 226 + Radium 228, total	0.737 J+	pCi/L
MW-377	Compliance	E001	05/22/2023	Selenium, total	0.0006 U	mg/L
MW-377	Compliance	E001	05/22/2023	Specific Conductance @ 25C (field)	808	micromhos/cm
MW-377	Compliance	E001	05/22/2023	Sulfate, total	40.0 J+	mg/L
MW-377	Compliance	E001	05/22/2023	Temperature	15.2	degrees C
MW-377	Compliance	E001	05/22/2023	Thallium, total	0.001 U	mg/L
MW-377	Compliance	E001	05/22/2023	Total Dissolved Solids	608	mg/L
MW-377	Compliance	E001	05/22/2023	Turbidity, field	2.40	NTU
MW-383	Compliance	E001	05/22/2023	Antimony, total	0.0009 J	mg/L
MW-383	Compliance	E001	05/22/2023	Arsenic, total	0.0087 U	mg/L
MW-383	Compliance	E001	05/22/2023	Barium, total	0.0442	mg/L
MW-383	Compliance	E001	05/22/2023	Beryllium, total	0.0002 U	mg/L
MW-383	Compliance	E001	05/22/2023	Boron, total	1.16 J+	mg/L
MW-383	Compliance	E001	05/22/2023	Cadmium, total	0.0005 U	mg/L
MW-383	Compliance	E001	05/22/2023	Calcium, total	23.8	mg/L
MW-383	Compliance	E001	05/22/2023	Chloride, total	43.0	mg/L
MW-383	Compliance	E001	05/22/2023	Chromium, total	0.0028 U	mg/L
MW-383	Compliance	E001	05/22/2023	Cobalt, total	0.0006 J	mg/L
MW-383	Compliance	E001	05/22/2023	Dissolved Oxygen	0.740	mg/L
MW-383	Compliance	E001	05/22/2023	Fluoride, total	0.690	mg/L
MW-383	Compliance	E001	05/22/2023	Lead, total	0.004 U	mg/L
MW-383	Compliance	E001	05/22/2023	Lithium, total	0.0165	mg/L
MW-383	Compliance	E001	05/22/2023	Mercury, total	0.00007 J	mg/L
MW-383	Compliance	E001	05/22/2023	Molybdenum, total	0.0135	mg/L
MW-383	Compliance	E001	05/22/2023	Oxidation Reduction Potential	70.0	mV
MW-383	Compliance	E001	05/22/2023	pH (field)	7.5	SU
MW-383	Compliance	E001	05/22/2023	Radium 226 + Radium 228, total	0.0454	pCi/L
MW-383	Compliance	E001	05/22/2023	Selenium, total	0.0006 U	mg/L
MW-383	Compliance	E001	05/22/2023	Specific Conductance @ 25C (field)	1,060	micromhos/cm
MW-383	Compliance	E001	05/22/2023	Sulfate, total	177	mg/L
MW-383	Compliance	E001	05/22/2023	Temperature	18.4	degrees C
MW-383	Compliance	E001	05/22/2023	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-383	Compliance	E001	05/22/2023	Total Dissolved Solids	872	mg/L
MW-383	Compliance	E001	05/22/2023	Turbidity, field	9.50	NTU
MW-384	Compliance	E001	05/22/2023	Antimony, total	0.0004 U	mg/L
MW-384	Compliance	E001	05/22/2023	Arsenic, total	0.0087 U	mg/L
MW-384	Compliance	E001	05/22/2023	Barium, total	0.0513	mg/L
MW-384	Compliance	E001	05/22/2023	Beryllium, total	0.0002 U	mg/L
MW-384	Compliance	E001	05/22/2023	Boron, total	1.48 J+	mg/L
MW-384	Compliance	E001	05/22/2023	Cadmium, total	0.0005 U	mg/L
MW-384	Compliance	E001	05/22/2023	Calcium, total	17.4	mg/L
MW-384	Compliance	E001	05/22/2023	Chloride, total	492	mg/L
MW-384	Compliance	E001	05/22/2023	Chromium, total	0.0028 U	mg/L
MW-384	Compliance	E001	05/22/2023	Cobalt, total	0.0002 J	mg/L
MW-384	Compliance	E001	05/22/2023	Dissolved Oxygen	0.940	mg/L
MW-384	Compliance	E001	05/22/2023	Fluoride, total	3.68	mg/L
MW-384	Compliance	E001	05/22/2023	Lead, total	0.004 U	mg/L
MW-384	Compliance	E001	05/22/2023	Lithium, total	0.0271	mg/L
MW-384	Compliance	E001	05/22/2023	Mercury, total	0.00006 U	mg/L
MW-384	Compliance	E001	05/22/2023	Molybdenum, total	0.0227	mg/L
MW-384	Compliance	E001	05/22/2023	Oxidation Reduction Potential	69.0	mV
MW-384	Compliance	E001	05/22/2023	pH (field)	7.7	SU
MW-384	Compliance	E001	05/22/2023	Radium 226 + Radium 228, total	1.21 J+	pCi/L
MW-384	Compliance	E001	05/22/2023	Selenium, total	0.0006 U	mg/L
MW-384	Compliance	E001	05/22/2023	Specific Conductance @ 25C (field)	1,970	micromhos/cm
MW-384	Compliance	E001	05/22/2023	Sulfate, total	43.0 J+	mg/L
MW-384	Compliance	E001	05/22/2023	Temperature	17.0	degrees C
MW-384	Compliance	E001	05/22/2023	Thallium, total	0.001 U	mg/L
MW-384	Compliance	E001	05/22/2023	Total Dissolved Solids	1,480	mg/L
MW-384	Compliance	E001	05/22/2023	Turbidity, field	10.0	NTU
MW-390	Compliance	E001	05/17/2023	Antimony, total	0.0005 J	mg/L
MW-390	Compliance	E001	05/17/2023	Arsenic, total	0.0087 U	mg/L
MW-390	Compliance	E001	05/17/2023	Barium, total	0.0886	mg/L
MW-390	Compliance	E001	05/17/2023	Beryllium, total	0.0002 U	mg/L
MW-390	Compliance	E001	05/17/2023	Boron, total	0.234 J+	mg/L
MW-390	Compliance	E001	05/17/2023	Cadmium, total	0.0005 U	mg/L
MW-390	Compliance	E001	05/17/2023	Calcium, total	96.0	mg/L
MW-390	Compliance	E001	05/17/2023	Chloride, total	47.0	mg/L
MW-390	Compliance	E001	05/17/2023	Chromium, total	0.0028 U	mg/L
MW-390	Compliance	E001	05/17/2023	Cobalt, total	0.00300	mg/L
MW-390	Compliance	E001	05/17/2023	Dissolved Oxygen	0.760	mg/L
MW-390	Compliance	E001	05/17/2023	Fluoride, total	0.400	mg/L
MW-390	Compliance	E001	05/17/2023	Lead, total	0.004 U	mg/L
MW-390	Compliance	E001	05/17/2023	Lithium, total	0.005 U	mg/L
MW-390	Compliance	E001	05/17/2023	Mercury, total	0.00006 U	mg/L
MW-390	Compliance	E001	05/17/2023	Molybdenum, total	0.0047 J	mg/L
MW-390	Compliance	E001	05/17/2023	Oxidation Reduction Potential	-32.0	mV
MW-390	Compliance	E001	05/17/2023	pH (field)	6.8	SU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-390	Compliance	E001	05/17/2023	Radium 226 + Radium 228, total	1.20 J+	pCi/L
MW-390	Compliance	E001	05/17/2023	Selenium, total	0.0006 U	mg/L
MW-390	Compliance	E001	05/17/2023	Specific Conductance @ 25C (field)	1,070	micromhos/cm
MW-390	Compliance	E001	05/17/2023	Sulfate, total	118	mg/L
MW-390	Compliance	E001	05/17/2023	Temperature	15.4	degrees C
MW-390	Compliance	E001	05/17/2023	Thallium, total	0.001 U	mg/L
MW-390	Compliance	E001	05/17/2023	Total Dissolved Solids	642	mg/L
MW-390	Compliance	E001	05/17/2023	Turbidity, field	2.50	NTU
MW-391	Compliance	E001	05/17/2023	Antimony, total	0.00150	mg/L
MW-391	Compliance	E001	05/17/2023	Arsenic, total	0.0087 U	mg/L
MW-391	Compliance	E001	05/17/2023	Barium, total	0.0287	mg/L
MW-391	Compliance	E001	05/17/2023	Beryllium, total	0.0002 J	mg/L
MW-391	Compliance	E001	05/17/2023	Boron, total	2.49 J+	mg/L
MW-391	Compliance	E001	05/17/2023	Cadmium, total	0.0005 U	mg/L
MW-391	Compliance	E001	05/17/2023	Calcium, total	18.7	mg/L
MW-391	Compliance	E001	05/17/2023	Chloride, total	170	mg/L
MW-391	Compliance	E001	05/17/2023	Chromium, total	0.00530	mg/L
MW-391	Compliance	E001	05/17/2023	Cobalt, total	0.00140	mg/L
MW-391	Compliance	E001	05/17/2023	Dissolved Oxygen	1.07	mg/L
MW-391	Compliance	E001	05/17/2023	Fluoride, total	3.24	mg/L
MW-391	Compliance	E001	05/17/2023	Lead, total	0.004 U	mg/L
MW-391	Compliance	E001	05/17/2023	Lithium, total	0.0838	mg/L
MW-391	Compliance	E001	05/17/2023	Mercury, total	0.00006 U	mg/L
MW-391	Compliance	E001	05/17/2023	Molybdenum, total	0.0620	mg/L
MW-391	Compliance	E001	05/17/2023	Oxidation Reduction Potential	53.0	mV
MW-391	Compliance	E001	05/17/2023	pH (field)	7.8	SU
MW-391	Compliance	E001	05/17/2023	Radium 226 + Radium 228, total	1.42 J+	pCi/L
MW-391	Compliance	E001	05/17/2023	Selenium, total	0.00310	mg/L
MW-391	Compliance	E001	05/17/2023	Specific Conductance @ 25C (field)	3,130	micromhos/cm
MW-391	Compliance	E001	05/17/2023	Sulfate, total	430	mg/L
MW-391	Compliance	E001	05/17/2023	Temperature	15.6	degrees C
MW-391	Compliance	E001	05/17/2023	Thallium, total	0.001 U	mg/L
MW-391	Compliance	E001	05/17/2023	Total Dissolved Solids	1,970	mg/L
MW-391	Compliance	E001	05/17/2023	Turbidity, field	19.0	NTU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
R = resample
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, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-304	Background	E002	08/03/2023	Arsenic, total	0.00220	mg/L
MW-304	Background	E002	08/03/2023	Barium, total	0.0201	mg/L
MW-304	Background	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E002	08/03/2023	Boron, total	1.61	mg/L
MW-304	Background	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E002	08/03/2023	Calcium, total	11.4	mg/L
MW-304	Background	E002	08/03/2023	Chloride, total	160	mg/L
MW-304	Background	E002	08/03/2023	Chromium, total	0.0007 U	mg/L
MW-304	Background	E002	08/03/2023	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E002	08/03/2023	Dissolved Oxygen	0.690	mg/L
MW-304	Background	E002	08/03/2023	Fluoride, total	1.70	mg/L
MW-304	Background	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-304	Background	E002	08/03/2023	Lithium, total	0.0779	mg/L
MW-304	Background	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-304	Background	E002	08/03/2023	Molybdenum, total	0.0008 J	mg/L
MW-304	Background	E002	08/03/2023	Oxidation Reduction Potential	78.0	mV
MW-304	Background	E002	08/03/2023	pH (field)	7.9	SU
MW-304	Background	E002	08/03/2023	Radium 226 + Radium 228, total	0.937	pCi/L
MW-304	Background	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-304	Background	E002	08/03/2023	Specific Conductance @ 25C (field)	3,000	micromhos/cm
MW-304	Background	E002	08/03/2023	Sulfate, total	188	mg/L
MW-304	Background	E002	08/03/2023	Temperature	16.2	degrees C
MW-304	Background	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-304	Background	E002	08/03/2023	Total Dissolved Solids	1,380	mg/L
MW-304	Background	E002	08/03/2023	Turbidity, field	2.80	NTU
MW-306	Background	E002	08/04/2023	Antimony, total	0.0005 J	mg/L
MW-306	Background	E002	08/04/2023	Arsenic, total	0.00820 J	mg/L
MW-306	Background	E002	08/04/2023	Barium, total	0.00340	mg/L
MW-306	Background	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-306	Background	E002	08/04/2023	Boron, total	0.400	mg/L
MW-306	Background	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-306	Background	E002	08/04/2023	Calcium, total	2.49	mg/L
MW-306	Background	E002	08/04/2023	Chloride, total	50.0	mg/L
MW-306	Background	E002	08/04/2023	Chromium, total	0.0007 U	mg/L
MW-306	Background	E002	08/04/2023	Cobalt, total	0.0001 U	mg/L
MW-306	Background	E002	08/04/2023	Dissolved Oxygen	0.650	mg/L
MW-306	Background	E002	08/04/2023	Fluoride, total	0.610	mg/L
MW-306	Background	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-306	Background	E002	08/04/2023	Lithium, total	0.0212	mg/L
MW-306	Background	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-306	Background	E002	08/04/2023	Molybdenum, total	0.0153	mg/L
MW-306	Background	E002	08/04/2023	Oxidation Reduction Potential	78.0	mV
MW-306	Background	E002	08/04/2023	pH (field)	10.6	SU
MW-306	Background	E002	08/04/2023	Radium 226 + Radium 228, total	0.652	pCi/L
MW-306	Background	E002	08/04/2023	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-306	Background	E002	08/04/2023	Specific Conductance @ 25C (field)	738	micromhos/cm
MW-306	Background	E002	08/04/2023	Sulfate, total	41.0	mg/L
MW-306	Background	E002	08/04/2023	Temperature	16.2	degrees C
MW-306	Background	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-306	Background	E002	08/04/2023	Total Dissolved Solids	302	mg/L
MW-306	Background	E002	08/04/2023	Turbidity, field	2.50	NTU
MW-358	Background	E002	08/07/2023	Antimony, total	0.0004 U	mg/L
MW-358	Background	E002	08/07/2023	Arsenic, total	0.00380	mg/L
MW-358	Background	E002	08/07/2023	Barium, total	0.235	mg/L
MW-358	Background	E002	08/07/2023	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E002	08/07/2023	Boron, total	1.60	mg/L
MW-358	Background	E002	08/07/2023	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E002	08/07/2023	Calcium, total	9.87	mg/L
MW-358	Background	E002	08/07/2023	Chloride, total	1,290	mg/L
MW-358	Background	E002	08/07/2023	Chromium, total	0.001 J	mg/L
MW-358	Background	E002	08/07/2023	Cobalt, total	0.0001 U	mg/L
MW-358	Background	E002	08/07/2023	Dissolved Oxygen	1.37	mg/L
MW-358	Background	E002	08/07/2023	Fluoride, total	3.36	mg/L
MW-358	Background	E002	08/07/2023	Lead, total	0.0006 U	mg/L
MW-358	Background	E002	08/07/2023	Lithium, total	0.0961	mg/L
MW-358	Background	E002	08/07/2023	Mercury, total	0.00006 U	mg/L
MW-358	Background	E002	08/07/2023	Molybdenum, total	0.0175	mg/L
MW-358	Background	E002	08/07/2023	Oxidation Reduction Potential	-42.0	mV
MW-358	Background	E002	08/07/2023	pH (field)	8.0	SU
MW-358	Background	E002	08/07/2023	Radium 226 + Radium 228, total	0.908	pCi/L
MW-358	Background	E002	08/07/2023	Selenium, total	0.0006 U	mg/L
MW-358	Background	E002	08/07/2023	Specific Conductance @ 25C (field)	6,940	micromhos/cm
MW-358	Background	E002	08/07/2023	Sulfate, total	9 J	mg/L
MW-358	Background	E002	08/07/2023	Temperature	16.1	degrees C
MW-358	Background	E002	08/07/2023	Thallium, total	0.001 U	mg/L
MW-358	Background	E002	08/07/2023	Total Dissolved Solids	3,160	mg/L
MW-358	Background	E002	08/07/2023	Turbidity, field	8.40	NTU
MW-150	Compliance	E002	08/07/2023	Antimony, total	0.0004 U	mg/L
MW-150	Compliance	E002	08/07/2023	Arsenic, total	0.0005 J	mg/L
MW-150	Compliance	E002	08/07/2023	Barium, total	0.0194	mg/L
MW-150	Compliance	E002	08/07/2023	Beryllium, total	0.0002 U	mg/L
MW-150	Compliance	E002	08/07/2023	Boron, total	4.38	mg/L
MW-150	Compliance	E002	08/07/2023	Cadmium, total	0.0002 U	mg/L
MW-150	Compliance	E002	08/07/2023	Calcium, total	186	mg/L
MW-150	Compliance	E002	08/07/2023	Chloride, total	53.0 J-	mg/L
MW-150	Compliance	E002	08/07/2023	Chromium, total	0.0007 J	mg/L
MW-150	Compliance	E002	08/07/2023	Cobalt, total	0.0001 U	mg/L
MW-150	Compliance	E002	08/07/2023	Dissolved Oxygen	1.65	mg/L
MW-150	Compliance	E002	08/07/2023	Fluoride, total	0.750	mg/L
MW-150	Compliance	E002	08/07/2023	Lead, total	0.0006 U	mg/L
MW-150	Compliance	E002	08/07/2023	Lithium, total	0.0502	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-150	Compliance	E002	08/07/2023	Mercury, total	0.0001 J	mg/L
MW-150	Compliance	E002	08/07/2023	Molybdenum, total	0.00150	mg/L
MW-150	Compliance	E002	08/07/2023	Oxidation Reduction Potential	-65.0	mV
MW-150	Compliance	E002	08/07/2023	pH (field)	7.0	SU
MW-150	Compliance	E002	08/07/2023	Radium 226 + Radium 228, total	0.628	pCi/L
MW-150	Compliance	E002	08/07/2023	Selenium, total	0.0007 J	mg/L
MW-150	Compliance	E002	08/07/2023	Specific Conductance @ 25C (field)	2,610	micromhos/cm
MW-150	Compliance	E002	08/07/2023	Sulfate, total	852	mg/L
MW-150	Compliance	E002	08/07/2023	Temperature	14.0	degrees C
MW-150	Compliance	E002	08/07/2023	Thallium, total	0.001 U	mg/L
MW-150	Compliance	E002	08/07/2023	Total Dissolved Solids	1,670	mg/L
MW-150	Compliance	E002	08/07/2023	Turbidity, field	3.10	NTU
MW-151	Compliance	E002	08/07/2023	Antimony, total	0.0004 U	mg/L
MW-151	Compliance	E002	08/07/2023	Arsenic, total	0.00160	mg/L
MW-151	Compliance	E002	08/07/2023	Barium, total	0.0666	mg/L
MW-151	Compliance	E002	08/07/2023	Beryllium, total	0.0004 J	mg/L
MW-151	Compliance	E002	08/07/2023	Boron, total	0.887	mg/L
MW-151	Compliance	E002	08/07/2023	Cadmium, total	0.0002 U	mg/L
MW-151	Compliance	E002	08/07/2023	Calcium, total	108	mg/L
MW-151	Compliance	E002	08/07/2023	Chloride, total	38.0	mg/L
MW-151	Compliance	E002	08/07/2023	Chromium, total	0.00970	mg/L
MW-151	Compliance	E002	08/07/2023	Cobalt, total	0.00300	mg/L
MW-151	Compliance	E002	08/07/2023	Dissolved Oxygen	2.23	mg/L
MW-151	Compliance	E002	08/07/2023	Fluoride, total	0.590	mg/L
MW-151	Compliance	E002	08/07/2023	Lead, total	0.00290	mg/L
MW-151	Compliance	E002	08/07/2023	Lithium, total	0.0251	mg/L
MW-151	Compliance	E002	08/07/2023	Mercury, total	0.0001 J	mg/L
MW-151	Compliance	E002	08/07/2023	Molybdenum, total	0.0006 U	mg/L
MW-151	Compliance	E002	08/07/2023	Oxidation Reduction Potential	166	mV
MW-151	Compliance	E002	08/07/2023	pH (field)	6.8	SU
MW-151	Compliance	E002	08/07/2023	Radium 226 + Radium 228, total	1.64	pCi/L
MW-151	Compliance	E002	08/07/2023	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E002	08/07/2023	Specific Conductance @ 25C (field)	1,270	micromhos/cm
MW-151	Compliance	E002	08/07/2023	Sulfate, total	93.0	mg/L
MW-151	Compliance	E002	08/07/2023	Temperature	16.3	degrees C
MW-151	Compliance	E002	08/07/2023	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E002	08/07/2023	Total Dissolved Solids	595	mg/L
MW-151	Compliance	E002	08/07/2023	Turbidity, field	69.0	NTU
MW-152	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-152	Compliance	E002	08/04/2023	Arsenic, total	0.00100 J	mg/L
MW-152	Compliance	E002	08/04/2023	Barium, total	0.0330	mg/L
MW-152	Compliance	E002	08/04/2023	Beryllium, total	0.0004 J	mg/L
MW-152	Compliance	E002	08/04/2023	Boron, total	9.09	mg/L
MW-152	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-152	Compliance	E002	08/04/2023	Calcium, total	209	mg/L
MW-152	Compliance	E002	08/04/2023	Chloride, total	37.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-152	Compliance	E002	08/04/2023	Chromium, total	0.00370	mg/L
MW-152	Compliance	E002	08/04/2023	Cobalt, total	0.00120	mg/L
MW-152	Compliance	E002	08/04/2023	Dissolved Oxygen	2.19	mg/L
MW-152	Compliance	E002	08/04/2023	Fluoride, total	0.390	mg/L
MW-152	Compliance	E002	08/04/2023	Lead, total	0.00200	mg/L
MW-152	Compliance	E002	08/04/2023	Lithium, total	0.0117	mg/L
MW-152	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-152	Compliance	E002	08/04/2023	Molybdenum, total	0.0008 J	mg/L
MW-152	Compliance	E002	08/04/2023	Oxidation Reduction Potential	108	mV
MW-152	Compliance	E002	08/04/2023	pH (field)	6.9	SU
MW-152	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	1.31	pCi/L
MW-152	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-152	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	2,400	micromhos/cm
MW-152	Compliance	E002	08/04/2023	Sulfate, total	732	mg/L
MW-152	Compliance	E002	08/04/2023	Temperature	15.1	degrees C
MW-152	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-152	Compliance	E002	08/04/2023	Total Dissolved Solids	1,510	mg/L
MW-152	Compliance	E002	08/04/2023	Turbidity, field	49.0	NTU
MW-153	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-153	Compliance	E002	08/04/2023	Arsenic, total	0.0004 U	mg/L
MW-153	Compliance	E002	08/04/2023	Barium, total	0.0357	mg/L
MW-153	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-153	Compliance	E002	08/04/2023	Boron, total	0.0357	mg/L
MW-153	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-153	Compliance	E002	08/04/2023	Calcium, total	52.8	mg/L
MW-153	Compliance	E002	08/04/2023	Chloride, total	16.0	mg/L
MW-153	Compliance	E002	08/04/2023	Chromium, total	0.0013 J	mg/L
MW-153	Compliance	E002	08/04/2023	Cobalt, total	0.0001 U	mg/L
MW-153	Compliance	E002	08/04/2023	Dissolved Oxygen	2.21	mg/L
MW-153	Compliance	E002	08/04/2023	Fluoride, total	0.440	mg/L
MW-153	Compliance	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-153	Compliance	E002	08/04/2023	Lithium, total	0.00350	mg/L
MW-153	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-153	Compliance	E002	08/04/2023	Molybdenum, total	0.0006 U	mg/L
MW-153	Compliance	E002	08/04/2023	Oxidation Reduction Potential	89.0	mV
MW-153	Compliance	E002	08/04/2023	pH (field)	7.2	SU
MW-153	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	0.52	pCi/L
MW-153	Compliance	E002	08/04/2023	Selenium, total	0.00210	mg/L
MW-153	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	781	micromhos/cm
MW-153	Compliance	E002	08/04/2023	Sulfate, total	62.0	mg/L
MW-153	Compliance	E002	08/04/2023	Temperature	14.9	degrees C
MW-153	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E002	08/04/2023	Total Dissolved Solids	396	mg/L
MW-153	Compliance	E002	08/04/2023	Turbidity, field	3.40	NTU
MW-252	Compliance	E002	08/04/2023	Antimony, total	0.00120	mg/L
MW-252	Compliance	E002	08/04/2023	Arsenic, total	0.00110	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-252	Compliance	E002	08/04/2023	Barium, total	0.0359	mg/L
MW-252	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-252	Compliance	E002	08/04/2023	Boron, total	0.143	mg/L
MW-252	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-252	Compliance	E002	08/04/2023	Calcium, total	210	mg/L
MW-252	Compliance	E002	08/04/2023	Chloride, total	37.0	mg/L
MW-252	Compliance	E002	08/04/2023	Chromium, total	0.00490	mg/L
MW-252	Compliance	E002	08/04/2023	Cobalt, total	0.00190	mg/L
MW-252	Compliance	E002	08/04/2023	Dissolved Oxygen	0.990	mg/L
MW-252	Compliance	E002	08/04/2023	Fluoride, total	0.240	mg/L
MW-252	Compliance	E002	08/04/2023	Lead, total	0.00180	mg/L
MW-252	Compliance	E002	08/04/2023	Lithium, total	0.0151	mg/L
MW-252	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-252	Compliance	E002	08/04/2023	Molybdenum, total	0.0008 J	mg/L
MW-252	Compliance	E002	08/04/2023	Oxidation Reduction Potential	-51.0	mV
MW-252	Compliance	E002	08/04/2023	pH (field)	6.7	SU
MW-252	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	2.63	pCi/L
MW-252	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-252	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	1,940	micromhos/cm
MW-252	Compliance	E002	08/04/2023	Sulfate, total	448	mg/L
MW-252	Compliance	E002	08/04/2023	Temperature	18.9	degrees C
MW-252	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-252	Compliance	E002	08/04/2023	Total Dissolved Solids	1,260	mg/L
MW-252	Compliance	E002	08/04/2023	Turbidity, field	93.0	NTU
MW-253	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-253	Compliance	E002	08/04/2023	Arsenic, total	0.0004 U	mg/L
MW-253	Compliance	E002	08/04/2023	Barium, total	0.0562	mg/L
MW-253	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-253	Compliance	E002	08/04/2023	Boron, total	0.0698	mg/L
MW-253	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-253	Compliance	E002	08/04/2023	Calcium, total	75.0	mg/L
MW-253	Compliance	E002	08/04/2023	Chloride, total	21.0	mg/L
MW-253	Compliance	E002	08/04/2023	Chromium, total	0.0013 J	mg/L
MW-253	Compliance	E002	08/04/2023	Cobalt, total	0.0001 U	mg/L
MW-253	Compliance	E002	08/04/2023	Dissolved Oxygen	0.650	mg/L
MW-253	Compliance	E002	08/04/2023	Fluoride, total	0.230	mg/L
MW-253	Compliance	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-253	Compliance	E002	08/04/2023	Lithium, total	0.0286	mg/L
MW-253	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-253	Compliance	E002	08/04/2023	Molybdenum, total	0.00690	mg/L
MW-253	Compliance	E002	08/04/2023	Oxidation Reduction Potential	68.0	mV
MW-253	Compliance	E002	08/04/2023	pH (field)	11.3	SU
MW-253	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	0.645	pCi/L
MW-253	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-253	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	938	micromhos/cm
MW-253	Compliance	E002	08/04/2023	Sulfate, total	154	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-253	Compliance	E002	08/04/2023	Temperature	15.0	degrees C
MW-253	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-253	Compliance	E002	08/04/2023	Total Dissolved Solids	328	mg/L
MW-253	Compliance	E002	08/04/2023	Turbidity, field	8.00	NTU
MW-350	Compliance	E002	08/07/2023	Antimony, total	0.00500	mg/L
MW-350	Compliance	E002	08/07/2023	Arsenic, total	0.0004 U	mg/L
MW-350	Compliance	E002	08/07/2023	Barium, total	0.267	mg/L
MW-350	Compliance	E002	08/07/2023	Beryllium, total	0.0002 U	mg/L
MW-350	Compliance	E002	08/07/2023	Boron, total	0.585	mg/L
MW-350	Compliance	E002	08/07/2023	Cadmium, total	0.0002 U	mg/L
MW-350	Compliance	E002	08/07/2023	Calcium, total	39.6	mg/L
MW-350	Compliance	E002	08/07/2023	Chloride, total	54.0	mg/L
MW-350	Compliance	E002	08/07/2023	Chromium, total	0.00310	mg/L
MW-350	Compliance	E002	08/07/2023	Cobalt, total	0.0001 U	mg/L
MW-350	Compliance	E002	08/07/2023	Dissolved Oxygen	2.55	mg/L
MW-350	Compliance	E002	08/07/2023	Fluoride, total	0.130	mg/L
MW-350	Compliance	E002	08/07/2023	Lead, total	0.0006 U	mg/L
MW-350	Compliance	E002	08/07/2023	Lithium, total	0.0724	mg/L
MW-350	Compliance	E002	08/07/2023	Mercury, total	0.00013 J	mg/L
MW-350	Compliance	E002	08/07/2023	Molybdenum, total	0.00540	mg/L
MW-350	Compliance	E002	08/07/2023	Oxidation Reduction Potential	-7.00	mV
MW-350	Compliance	E002	08/07/2023	pH (field)	11.5	SU
MW-350	Compliance	E002	08/07/2023	Radium 226 + Radium 228, total	1.75	pCi/L
MW-350	Compliance	E002	08/07/2023	Selenium, total	0.0006 U	mg/L
MW-350	Compliance	E002	08/07/2023	Specific Conductance @ 25C (field)	1,040	micromhos/cm
MW-350	Compliance	E002	08/07/2023	Sulfate, total	102	mg/L
MW-350	Compliance	E002	08/07/2023	Temperature	13.9	degrees C
MW-350	Compliance	E002	08/07/2023	Thallium, total	0.001 U	mg/L
MW-350	Compliance	E002	08/07/2023	Total Dissolved Solids	328	mg/L
MW-350	Compliance	E002	08/07/2023	Turbidity, field	2.30	NTU
MW-352	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-352	Compliance	E002	08/04/2023	Arsenic, total	0.0004 U	mg/L
MW-352	Compliance	E002	08/04/2023	Barium, total	0.0856	mg/L
MW-352	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E002	08/04/2023	Boron, total	1.88	mg/L
MW-352	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-352	Compliance	E002	08/04/2023	Calcium, total	87.0	mg/L
MW-352	Compliance	E002	08/04/2023	Chloride, total	529	mg/L
MW-352	Compliance	E002	08/04/2023	Chromium, total	0.0009 J	mg/L
MW-352	Compliance	E002	08/04/2023	Cobalt, total	0.0001 U	mg/L
MW-352	Compliance	E002	08/04/2023	Dissolved Oxygen	0.730	mg/L
MW-352	Compliance	E002	08/04/2023	Fluoride, total	1.48	mg/L
MW-352	Compliance	E002	08/04/2023	Lead, total	0.0008 J	mg/L
MW-352	Compliance	E002	08/04/2023	Lithium, total	0.0867	mg/L
MW-352	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-352	Compliance	E002	08/04/2023	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-352	Compliance	E002	08/04/2023	Oxidation Reduction Potential	85.0	mV
MW-352	Compliance	E002	08/04/2023	pH (field)	7.9	SU
MW-352	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	0.722	pCi/L
MW-352	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	1,360	micromhos/cm
MW-352	Compliance	E002	08/04/2023	Sulfate, total	7 J	mg/L
MW-352	Compliance	E002	08/04/2023	Temperature	16.4	degrees C
MW-352	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E002	08/04/2023	Total Dissolved Solids	1,280	mg/L
MW-352	Compliance	E002	08/04/2023	Turbidity, field	3.40	NTU
MW-366	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-366	Compliance	E002	08/04/2023	Arsenic, total	0.0004 J	mg/L
MW-366	Compliance	E002	08/04/2023	Barium, total	0.0348	mg/L
MW-366	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-366	Compliance	E002	08/04/2023	Boron, total	1.63	mg/L
MW-366	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-366	Compliance	E002	08/04/2023	Calcium, total	184	mg/L
MW-366	Compliance	E002	08/04/2023	Chloride, total	47.0	mg/L
MW-366	Compliance	E002	08/04/2023	Chromium, total	0.0007 U	mg/L
MW-366	Compliance	E002	08/04/2023	Cobalt, total	0.0003 J	mg/L
MW-366	Compliance	E002	08/04/2023	Dissolved Oxygen	0.610	mg/L
MW-366	Compliance	E002	08/04/2023	Fluoride, total	0.420	mg/L
MW-366	Compliance	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-366	Compliance	E002	08/04/2023	Lithium, total	0.0115	mg/L
MW-366	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-366	Compliance	E002	08/04/2023	Molybdenum, total	0.00220	mg/L
MW-366	Compliance	E002	08/04/2023	Oxidation Reduction Potential	92.0	mV
MW-366	Compliance	E002	08/04/2023	pH (field)	6.9	SU
MW-366	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	0.876	pCi/L
MW-366	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-366	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	2,020	micromhos/cm
MW-366	Compliance	E002	08/04/2023	Sulfate, total	496	mg/L
MW-366	Compliance	E002	08/04/2023	Temperature	15.4	degrees C
MW-366	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-366	Compliance	E002	08/04/2023	Total Dissolved Solids	1,190	mg/L
MW-366	Compliance	E002	08/04/2023	Turbidity, field	6.00	NTU
MW-375	Compliance	E002	08/07/2023	Antimony, total	0.0008 J	mg/L
MW-375	Compliance	E002	08/07/2023	Arsenic, total	0.00140	mg/L
MW-375	Compliance	E002	08/07/2023	Barium, total	0.0338	mg/L
MW-375	Compliance	E002	08/07/2023	Beryllium, total	0.0002 U	mg/L
MW-375	Compliance	E002	08/07/2023	Boron, total	1.78	mg/L
MW-375	Compliance	E002	08/07/2023	Cadmium, total	0.0002 U	mg/L
MW-375	Compliance	E002	08/07/2023	Calcium, total	9.80	mg/L
MW-375	Compliance	E002	08/07/2023	Chloride, total	90.0	mg/L
MW-375	Compliance	E002	08/07/2023	Chromium, total	0.0007 U	mg/L
MW-375	Compliance	E002	08/07/2023	Cobalt, total	0.0001 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-375	Compliance	E002	08/07/2023	Dissolved Oxygen	0.660	mg/L
MW-375	Compliance	E002	08/07/2023	Fluoride, total	2.42	mg/L
MW-375	Compliance	E002	08/07/2023	Lead, total	0.0006 U	mg/L
MW-375	Compliance	E002	08/07/2023	Lithium, total	0.0722	mg/L
MW-375	Compliance	E002	08/07/2023	Mercury, total	0.00006 U	mg/L
MW-375	Compliance	E002	08/07/2023	Molybdenum, total	0.0373	mg/L
MW-375	Compliance	E002	08/07/2023	Oxidation Reduction Potential	160	mV
MW-375	Compliance	E002	08/07/2023	pH (field)	7.0	SU
MW-375	Compliance	E002	08/07/2023	Radium 226 + Radium 228, total	1	pCi/L
MW-375	Compliance	E002	08/07/2023	Selenium, total	0.0006 U	mg/L
MW-375	Compliance	E002	08/07/2023	Specific Conductance @ 25C (field)	1,410	micromhos/cm
MW-375	Compliance	E002	08/07/2023	Sulfate, total	104	mg/L
MW-375	Compliance	E002	08/07/2023	Temperature	15.8	degrees C
MW-375	Compliance	E002	08/07/2023	Thallium, total	0.001 U	mg/L
MW-375	Compliance	E002	08/07/2023	Total Dissolved Solids	926	mg/L
MW-375	Compliance	E002	08/07/2023	Turbidity, field	4.20	NTU
MW-377	Compliance	E002	08/07/2023	Antimony, total	0.0004 U	mg/L
MW-377	Compliance	E002	08/07/2023	Arsenic, total	0.0004 U	mg/L
MW-377	Compliance	E002	08/07/2023	Barium, total	0.0636	mg/L
MW-377	Compliance	E002	08/07/2023	Beryllium, total	0.0002 U	mg/L
MW-377	Compliance	E002	08/07/2023	Boron, total	1.65	mg/L
MW-377	Compliance	E002	08/07/2023	Cadmium, total	0.0002 U	mg/L
MW-377	Compliance	E002	08/07/2023	Calcium, total	52.8	mg/L
MW-377	Compliance	E002	08/07/2023	Chloride, total	102	mg/L
MW-377	Compliance	E002	08/07/2023	Chromium, total	0.0007 U	mg/L
MW-377	Compliance	E002	08/07/2023	Cobalt, total	0.0001 U	mg/L
MW-377	Compliance	E002	08/07/2023	Dissolved Oxygen	0.710	mg/L
MW-377	Compliance	E002	08/07/2023	Fluoride, total	1.24	mg/L
MW-377	Compliance	E002	08/07/2023	Lead, total	0.0006 U	mg/L
MW-377	Compliance	E002	08/07/2023	Lithium, total	0.0601	mg/L
MW-377	Compliance	E002	08/07/2023	Mercury, total	0.00006 U	mg/L
MW-377	Compliance	E002	08/07/2023	Molybdenum, total	0.0006 U	mg/L
MW-377	Compliance	E002	08/07/2023	Oxidation Reduction Potential	142	mV
MW-377	Compliance	E002	08/07/2023	pH (field)	7.6	SU
MW-377	Compliance	E002	08/07/2023	Radium 226 + Radium 228, total	0.447	pCi/L
MW-377	Compliance	E002	08/07/2023	Selenium, total	0.0006 U	mg/L
MW-377	Compliance	E002	08/07/2023	Specific Conductance @ 25C (field)	2,130	micromhos/cm
MW-377	Compliance	E002	08/07/2023	Sulfate, total	37.0	mg/L
MW-377	Compliance	E002	08/07/2023	Temperature	15.4	degrees C
MW-377	Compliance	E002	08/07/2023	Thallium, total	0.001 U	mg/L
MW-377	Compliance	E002	08/07/2023	Total Dissolved Solids	646	mg/L
MW-377	Compliance	E002	08/07/2023	Turbidity, field	6.60	NTU
MW-383	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-383	Compliance	E002	08/03/2023	Arsenic, total	0.0006 J	mg/L
MW-383	Compliance	E002	08/03/2023	Barium, total	0.0427	mg/L
MW-383	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-383	Compliance	E002	08/03/2023	Boron, total	1.33	mg/L
MW-383	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-383	Compliance	E002	08/03/2023	Calcium, total	17.3	mg/L
MW-383	Compliance	E002	08/03/2023	Chloride, total	43.0	mg/L
MW-383	Compliance	E002	08/03/2023	Chromium, total	0.0007 U	mg/L
MW-383	Compliance	E002	08/03/2023	Cobalt, total	0.0002 J	mg/L
MW-383	Compliance	E002	08/03/2023	Dissolved Oxygen	0.610	mg/L
MW-383	Compliance	E002	08/03/2023	Fluoride, total	0.720	mg/L
MW-383	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-383	Compliance	E002	08/03/2023	Lithium, total	0.0355	mg/L
MW-383	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-383	Compliance	E002	08/03/2023	Molybdenum, total	0.0125	mg/L
MW-383	Compliance	E002	08/03/2023	Oxidation Reduction Potential	29.0	mV
MW-383	Compliance	E002	08/03/2023	pH (field)	7.6	SU
MW-383	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	1.26	pCi/L
MW-383	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-383	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	1,880	micromhos/cm
MW-383	Compliance	E002	08/03/2023	Sulfate, total	157	mg/L
MW-383	Compliance	E002	08/03/2023	Temperature	19.1	degrees C
MW-383	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L
MW-383	Compliance	E002	08/03/2023	Total Dissolved Solids	882	mg/L
MW-383	Compliance	E002	08/03/2023	Turbidity, field	4.90	NTU
MW-384	Compliance	E002	08/03/2023	Antimony, total	0.0004 U	mg/L
MW-384	Compliance	E002	08/03/2023	Arsenic, total	0.0004 U	mg/L
MW-384	Compliance	E002	08/03/2023	Barium, total	0.0287	mg/L
MW-384	Compliance	E002	08/03/2023	Beryllium, total	0.0002 U	mg/L
MW-384	Compliance	E002	08/03/2023	Boron, total	1.47	mg/L
MW-384	Compliance	E002	08/03/2023	Cadmium, total	0.0002 U	mg/L
MW-384	Compliance	E002	08/03/2023	Calcium, total	5.32	mg/L
MW-384	Compliance	E002	08/03/2023	Chloride, total	508	mg/L
MW-384	Compliance	E002	08/03/2023	Chromium, total	0.0007 U	mg/L
MW-384	Compliance	E002	08/03/2023	Cobalt, total	0.0001 U	mg/L
MW-384	Compliance	E002	08/03/2023	Dissolved Oxygen	0.700	mg/L
MW-384	Compliance	E002	08/03/2023	Fluoride, total	4.54	mg/L
MW-384	Compliance	E002	08/03/2023	Lead, total	0.0006 U	mg/L
MW-384	Compliance	E002	08/03/2023	Lithium, total	0.0425	mg/L
MW-384	Compliance	E002	08/03/2023	Mercury, total	0.00012 U	mg/L
MW-384	Compliance	E002	08/03/2023	Molybdenum, total	0.0138	mg/L
MW-384	Compliance	E002	08/03/2023	Oxidation Reduction Potential	54.0	mV
MW-384	Compliance	E002	08/03/2023	pH (field)	8.1	SU
MW-384	Compliance	E002	08/03/2023	Radium 226 + Radium 228, total	0.768	pCi/L
MW-384	Compliance	E002	08/03/2023	Selenium, total	0.0006 U	mg/L
MW-384	Compliance	E002	08/03/2023	Specific Conductance @ 25C (field)	3,560	micromhos/cm
MW-384	Compliance	E002	08/03/2023	Sulfate, total	32.0	mg/L
MW-384	Compliance	E002	08/03/2023	Temperature	17.5	degrees C
MW-384	Compliance	E002	08/03/2023	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-384	Compliance	E002	08/03/2023	Total Dissolved Solids	1,570	mg/L
MW-384	Compliance	E002	08/03/2023	Turbidity, field	7.00	NTU
MW-390	Compliance	E002	08/04/2023	Antimony, total	0.0004 U	mg/L
MW-390	Compliance	E002	08/04/2023	Arsenic, total	0.00100	mg/L
MW-390	Compliance	E002	08/04/2023	Barium, total	0.0225	mg/L
MW-390	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-390	Compliance	E002	08/04/2023	Boron, total	1.42	mg/L
MW-390	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-390	Compliance	E002	08/04/2023	Calcium, total	58.4	mg/L
MW-390	Compliance	E002	08/04/2023	Chloride, total	74.0	mg/L
MW-390	Compliance	E002	08/04/2023	Chromium, total	0.0007 U	mg/L
MW-390	Compliance	E002	08/04/2023	Cobalt, total	0.0003 J	mg/L
MW-390	Compliance	E002	08/04/2023	Dissolved Oxygen	0.590	mg/L
MW-390	Compliance	E002	08/04/2023	Fluoride, total	0.950	mg/L
MW-390	Compliance	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-390	Compliance	E002	08/04/2023	Lithium, total	0.0405	mg/L
MW-390	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-390	Compliance	E002	08/04/2023	Molybdenum, total	0.00310	mg/L
MW-390	Compliance	E002	08/04/2023	Oxidation Reduction Potential	73.0	mV
MW-390	Compliance	E002	08/04/2023	pH (field)	7.2	SU
MW-390	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	1.63	pCi/L
MW-390	Compliance	E002	08/04/2023	Selenium, total	0.0006 U	mg/L
MW-390	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	2,170	micromhos/cm
MW-390	Compliance	E002	08/04/2023	Sulfate, total	133	mg/L
MW-390	Compliance	E002	08/04/2023	Temperature	17.3	degrees C
MW-390	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-390	Compliance	E002	08/04/2023	Total Dissolved Solids	740	mg/L
MW-390	Compliance	E002	08/04/2023	Turbidity, field	21.0	NTU
MW-391	Compliance	E002	08/04/2023	Antimony, total	0.00150	mg/L
MW-391	Compliance	E002	08/04/2023	Arsenic, total	0.00220	mg/L
MW-391	Compliance	E002	08/04/2023	Barium, total	0.0234	mg/L
MW-391	Compliance	E002	08/04/2023	Beryllium, total	0.0002 U	mg/L
MW-391	Compliance	E002	08/04/2023	Boron, total	2.38	mg/L
MW-391	Compliance	E002	08/04/2023	Cadmium, total	0.0002 U	mg/L
MW-391	Compliance	E002	08/04/2023	Calcium, total	15.0	mg/L
MW-391	Compliance	E002	08/04/2023	Chloride, total	174	mg/L
MW-391	Compliance	E002	08/04/2023	Chromium, total	0.0013 J	mg/L
MW-391	Compliance	E002	08/04/2023	Cobalt, total	0.0002 J	mg/L
MW-391	Compliance	E002	08/04/2023	Dissolved Oxygen	1.00	mg/L
MW-391	Compliance	E002	08/04/2023	Fluoride, total	3.24	mg/L
MW-391	Compliance	E002	08/04/2023	Lead, total	0.0006 U	mg/L
MW-391	Compliance	E002	08/04/2023	Lithium, total	0.0887	mg/L
MW-391	Compliance	E002	08/04/2023	Mercury, total	0.00012 U	mg/L
MW-391	Compliance	E002	08/04/2023	Molybdenum, total	0.0612	mg/L
MW-391	Compliance	E002	08/04/2023	Oxidation Reduction Potential	122	mV
MW-391	Compliance	E002	08/04/2023	pH (field)	7.8	SU

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-391	Compliance	E002	08/04/2023	Radium 226 + Radium 228, total	1.11	pCi/L
MW-391	Compliance	E002	08/04/2023	Selenium, total	0.00370	mg/L
MW-391	Compliance	E002	08/04/2023	Specific Conductance @ 25C (field)	4,050	micromhos/cm
MW-391	Compliance	E002	08/04/2023	Sulfate, total	489	mg/L
MW-391	Compliance	E002	08/04/2023	Temperature	16.4	degrees C
MW-391	Compliance	E002	08/04/2023	Thallium, total	0.001 U	mg/L
MW-391	Compliance	E002	08/04/2023	Total Dissolved Solids	2,090	mg/L
MW-391	Compliance	E002	08/04/2023	Turbidity, field	7.60	NTU

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

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-304	Background	E003	11/01/2023	Antimony, total	0.0004 U	mg/L
MW-304	Background	E003	11/01/2023	Arsenic, total	0.00240	mg/L
MW-304	Background	E003	11/01/2023	Barium, total	0.0199	mg/L
MW-304	Background	E003	11/01/2023	Beryllium, total	0.0002 U	mg/L
MW-304	Background	E003	11/01/2023	Boron, total	1.67	mg/L
MW-304	Background	E003	11/01/2023	Cadmium, total	0.0002 U	mg/L
MW-304	Background	E003	11/01/2023	Calcium, total	12.0	mg/L
MW-304	Background	E003	11/01/2023	Chloride, total	166	mg/L
MW-304	Background	E003	11/01/2023	Chromium, total	0.0007 U	mg/L
MW-304	Background	E003	11/01/2023	Cobalt, total	0.0001 U	mg/L
MW-304	Background	E003	11/01/2023	Dissolved Oxygen	0.800	mg/L
MW-304	Background	E003	11/01/2023	Fluoride, total	1.91	mg/L
MW-304	Background	E003	11/01/2023	Lead, total	0.0006 U	mg/L
MW-304	Background	E003	11/01/2023	Lithium, total	0.0807	mg/L
MW-304	Background	E003	11/01/2023	Mercury, total	0.00006 U	mg/L
MW-304	Background	E003	11/01/2023	Molybdenum, total	0.0009 J	mg/L
MW-304	Background	E003	11/01/2023	Oxidation Reduction Potential	-56.0	mV
MW-304	Background	E003	11/01/2023	pH (field)	7.8	SU
MW-304	Background	E003	11/01/2023	Radium 226 + Radium 228, total	0.521	pCi/L
MW-304	Background	E003	11/01/2023	Selenium, total	0.0006 U	mg/L
MW-304	Background	E003	11/01/2023	Specific Conductance @ 25C (field)	2,370	micromhos/cm
MW-304	Background	E003	11/01/2023	Sulfate, total	191	mg/L
MW-304	Background	E003	11/01/2023	Temperature	15.3	degrees C
MW-304	Background	E003	11/01/2023	Thallium, total	0.001 U	mg/L
MW-304	Background	E003	11/01/2023	Total Dissolved Solids	1,470	mg/L
MW-304	Background	E003	11/01/2023	Turbidity, field	1.70	NTU
MW-306	Background	E003	11/03/2023	Antimony, total	0.0004 U	mg/L
MW-306	Background	E003	11/03/2023	Arsenic, total	0.00980	mg/L
MW-306	Background	E003	11/03/2023	Barium, total	0.00350	mg/L
MW-306	Background	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-306	Background	E003	11/03/2023	Boron, total	0.425	mg/L
MW-306	Background	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-306	Background	E003	11/03/2023	Calcium, total	1.89	mg/L
MW-306	Background	E003	11/03/2023	Chloride, total	71.0	mg/L
MW-306	Background	E003	11/03/2023	Chromium, total	0.0007 U	mg/L
MW-306	Background	E003	11/03/2023	Cobalt, total	0.0001 U	mg/L
MW-306	Background	E003	11/03/2023	Dissolved Oxygen	1.41	mg/L
MW-306	Background	E003	11/03/2023	Fluoride, total	0.890	mg/L
MW-306	Background	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-306	Background	E003	11/03/2023	Lithium, total	0.0199	mg/L
MW-306	Background	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-306	Background	E003	11/03/2023	Molybdenum, total	0.0179	mg/L
MW-306	Background	E003	11/03/2023	Oxidation Reduction Potential	-173	mV
MW-306	Background	E003	11/03/2023	pH (field)	10.5	SU
MW-306	Background	E003	11/03/2023	Radium 226 + Radium 228, total	0.631	pCi/L
MW-306	Background	E003	11/03/2023	Selenium, total	0.0008 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-306	Background	E003	11/03/2023	Specific Conductance @ 25C (field)	622	micromhos/cm
MW-306	Background	E003	11/03/2023	Sulfate, total	50.0	mg/L
MW-306	Background	E003	11/03/2023	Temperature	14.9	degrees C
MW-306	Background	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-306	Background	E003	11/03/2023	Total Dissolved Solids	440	mg/L
MW-306	Background	E003	11/03/2023	Turbidity, field	8.90	NTU
MW-358	Background	E003	11/01/2023	Antimony, total	0.0004 U	mg/L
MW-358	Background	E003	11/01/2023	Arsenic, total	0.00510	mg/L
MW-358	Background	E003	11/01/2023	Barium, total	0.162	mg/L
MW-358	Background	E003	11/01/2023	Beryllium, total	0.0002 U	mg/L
MW-358	Background	E003	11/01/2023	Boron, total	1.38	mg/L
MW-358	Background	E003	11/01/2023	Cadmium, total	0.0002 U	mg/L
MW-358	Background	E003	11/01/2023	Calcium, total	11.3	mg/L
MW-358	Background	E003	11/01/2023	Chloride, total	1,310	mg/L
MW-358	Background	E003	11/01/2023	Chromium, total	0.0007 U	mg/L
MW-358	Background	E003	11/01/2023	Cobalt, total	0.0001 U	mg/L
MW-358	Background	E003	11/01/2023	Dissolved Oxygen	1.65	mg/L
MW-358	Background	E003	11/01/2023	Fluoride, total	3.59	mg/L
MW-358	Background	E003	11/01/2023	Lead, total	0.0162	mg/L
MW-358	Background	E003	11/01/2023	Lithium, total	0.0921	mg/L
MW-358	Background	E003	11/01/2023	Mercury, total	0.00012 J	mg/L
MW-358	Background	E003	11/01/2023	Molybdenum, total	0.0131	mg/L
MW-358	Background	E003	11/01/2023	Oxidation Reduction Potential	-162	mV
MW-358	Background	E003	11/01/2023	pH (field)	7.9	SU
MW-358	Background	E003	11/01/2023	Radium 226 + Radium 228, total	0.956 U*	pCi/L
MW-358	Background	E003	11/01/2023	Selenium, total	0.0006 U	mg/L
MW-358	Background	E003	11/01/2023	Specific Conductance @ 25C (field)	5,630	micromhos/cm
MW-358	Background	E003	11/01/2023	Sulfate, total	11.0	mg/L
MW-358	Background	E003	11/01/2023	Temperature	14.6	degrees C
MW-358	Background	E003	11/01/2023	Thallium, total	0.001 U	mg/L
MW-358	Background	E003	11/01/2023	Total Dissolved Solids	3,140	mg/L
MW-358	Background	E003	11/01/2023	Turbidity, field	55.0	NTU
MW-150	Compliance	E003	11/03/2023	Antimony, total	0.0004 U	mg/L
MW-150	Compliance	E003	11/03/2023	Arsenic, total	0.0005 J	mg/L
MW-150	Compliance	E003	11/03/2023	Barium, total	0.0162	mg/L
MW-150	Compliance	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-150	Compliance	E003	11/03/2023	Boron, total	3.59	mg/L
MW-150	Compliance	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-150	Compliance	E003	11/03/2023	Calcium, total	206	mg/L
MW-150	Compliance	E003	11/03/2023	Chloride, total	49.0	mg/L
MW-150	Compliance	E003	11/03/2023	Chromium, total	0.0007 J	mg/L
MW-150	Compliance	E003	11/03/2023	Cobalt, total	0.0001 U	mg/L
MW-150	Compliance	E003	11/03/2023	Dissolved Oxygen	3.03	mg/L
MW-150	Compliance	E003	11/03/2023	Fluoride, total	0.850	mg/L
MW-150	Compliance	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-150	Compliance	E003	11/03/2023	Lithium, total	0.0476	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-150	Compliance	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-150	Compliance	E003	11/03/2023	Molybdenum, total	0.00180 J+	mg/L
MW-150	Compliance	E003	11/03/2023	Oxidation Reduction Potential	-139	mV
MW-150	Compliance	E003	11/03/2023	pH (field)	7.1	SU
MW-150	Compliance	E003	11/03/2023	Radium 226 + Radium 228, total	0.898	pCi/L
MW-150	Compliance	E003	11/03/2023	Selenium, total	0.0008 J	mg/L
MW-150	Compliance	E003	11/03/2023	Specific Conductance @ 25C (field)	1,870	micromhos/cm
MW-150	Compliance	E003	11/03/2023	Sulfate, total	832	mg/L
MW-150	Compliance	E003	11/03/2023	Temperature	13.6	degrees C
MW-150	Compliance	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-150	Compliance	E003	11/03/2023	Total Dissolved Solids	1,620	mg/L
MW-150	Compliance	E003	11/03/2023	Turbidity, field	3.50	NTU
MW-151	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
MW-151	Compliance	E003	10/31/2023	Arsenic, total	0.00230	mg/L
MW-151	Compliance	E003	10/31/2023	Barium, total	0.0759	mg/L
MW-151	Compliance	E003	10/31/2023	Beryllium, total	0.0003 J	mg/L
MW-151	Compliance	E003	10/31/2023	Boron, total	0.889	mg/L
MW-151	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
MW-151	Compliance	E003	10/31/2023	Calcium, total	123	mg/L
MW-151	Compliance	E003	10/31/2023	Chloride, total	41.0	mg/L
MW-151	Compliance	E003	10/31/2023	Chromium, total	0.00910	mg/L
MW-151	Compliance	E003	10/31/2023	Cobalt, total	0.00500	mg/L
MW-151	Compliance	E003	10/31/2023	Dissolved Oxygen	1.85	mg/L
MW-151	Compliance	E003	10/31/2023	Fluoride, total	0.640	mg/L
MW-151	Compliance	E003	10/31/2023	Lead, total	0.00400	mg/L
MW-151	Compliance	E003	10/31/2023	Lithium, total	0.0237	mg/L
MW-151	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-151	Compliance	E003	10/31/2023	Molybdenum, total	0.0007 J	mg/L
MW-151	Compliance	E003	10/31/2023	Oxidation Reduction Potential	40.0	mV
MW-151	Compliance	E003	10/31/2023	pH (field)	6.9	SU
MW-151	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.889	pCi/L
MW-151	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
MW-151	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	951	micromhos/cm
MW-151	Compliance	E003	10/31/2023	Sulfate, total	95.0	mg/L
MW-151	Compliance	E003	10/31/2023	Temperature	16.4	degrees C
MW-151	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
MW-151	Compliance	E003	10/31/2023	Total Dissolved Solids	600	mg/L
MW-151	Compliance	E003	10/31/2023	Turbidity, field	15.0	NTU
MW-152	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
MW-152	Compliance	E003	10/31/2023	Arsenic, total	0.00250	mg/L
MW-152	Compliance	E003	10/31/2023	Barium, total	0.0454	mg/L
MW-152	Compliance	E003	10/31/2023	Beryllium, total	0.0003 J	mg/L
MW-152	Compliance	E003	10/31/2023	Boron, total	19.8	mg/L
MW-152	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
MW-152	Compliance	E003	10/31/2023	Calcium, total	268	mg/L
MW-152	Compliance	E003	10/31/2023	Chloride, total	54.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-152	Compliance	E003	10/31/2023	Chromium, total	0.00740	mg/L
MW-152	Compliance	E003	10/31/2023	Cobalt, total	0.00290	mg/L
MW-152	Compliance	E003	10/31/2023	Dissolved Oxygen	0.660	mg/L
MW-152	Compliance	E003	10/31/2023	Fluoride, total	0.300	mg/L
MW-152	Compliance	E003	10/31/2023	Lead, total	0.00470	mg/L
MW-152	Compliance	E003	10/31/2023	Lithium, total	0.0155	mg/L
MW-152	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-152	Compliance	E003	10/31/2023	Molybdenum, total	0.0006 J	mg/L
MW-152	Compliance	E003	10/31/2023	Oxidation Reduction Potential	60.0	mV
MW-152	Compliance	E003	10/31/2023	pH (field)	6.8	SU
MW-152	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	1.37 U*	pCi/L
MW-152	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
MW-152	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	2,080	micromhos/cm
MW-152	Compliance	E003	10/31/2023	Sulfate, total	988	mg/L
MW-152	Compliance	E003	10/31/2023	Temperature	14.3	degrees C
MW-152	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
MW-152	Compliance	E003	10/31/2023	Total Dissolved Solids	1,790	mg/L
MW-152	Compliance	E003	10/31/2023	Turbidity, field	33.0	NTU
MW-153	Compliance	E003	11/03/2023	Antimony, total	0.0004 U	mg/L
MW-153	Compliance	E003	11/03/2023	Arsenic, total	0.0004 U	mg/L
MW-153	Compliance	E003	11/03/2023	Barium, total	0.0335	mg/L
MW-153	Compliance	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-153	Compliance	E003	11/03/2023	Boron, total	0.03 UJ	mg/L
MW-153	Compliance	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-153	Compliance	E003	11/03/2023	Calcium, total	52.3	mg/L
MW-153	Compliance	E003	11/03/2023	Chloride, total	17.0	mg/L
MW-153	Compliance	E003	11/03/2023	Chromium, total	0.0011 J	mg/L
MW-153	Compliance	E003	11/03/2023	Cobalt, total	0.0001 J	mg/L
MW-153	Compliance	E003	11/03/2023	Dissolved Oxygen	2.86	mg/L
MW-153	Compliance	E003	11/03/2023	Fluoride, total	0.500	mg/L
MW-153	Compliance	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-153	Compliance	E003	11/03/2023	Lithium, total	0.00370	mg/L
MW-153	Compliance	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-153	Compliance	E003	11/03/2023	Molybdenum, total	0.0006 U	mg/L
MW-153	Compliance	E003	11/03/2023	Oxidation Reduction Potential	77.0	mV
MW-153	Compliance	E003	11/03/2023	pH (field)	6.8	SU
MW-153	Compliance	E003	11/03/2023	Radium 226 + Radium 228, total	0.661	pCi/L
MW-153	Compliance	E003	11/03/2023	Selenium, total	0.00240	mg/L
MW-153	Compliance	E003	11/03/2023	Specific Conductance @ 25C (field)	470	micromhos/cm
MW-153	Compliance	E003	11/03/2023	Sulfate, total	62.0	mg/L
MW-153	Compliance	E003	11/03/2023	Temperature	15.5	degrees C
MW-153	Compliance	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-153	Compliance	E003	11/03/2023	Total Dissolved Solids	384	mg/L
MW-153	Compliance	E003	11/03/2023	Turbidity, field	16.0	NTU
MW-252	Compliance	E003	10/31/2023	Antimony, total	0.0008 J	mg/L
MW-252	Compliance	E003	10/31/2023	Arsenic, total	0.00120	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-252	Compliance	E003	10/31/2023	Barium, total	0.0315	mg/L
MW-252	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L
MW-252	Compliance	E003	10/31/2023	Boron, total	0.155 J+	mg/L
MW-252	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
MW-252	Compliance	E003	10/31/2023	Calcium, total	209	mg/L
MW-252	Compliance	E003	10/31/2023	Chloride, total	37.0	mg/L
MW-252	Compliance	E003	10/31/2023	Chromium, total	0.00270	mg/L
MW-252	Compliance	E003	10/31/2023	Cobalt, total	0.00260	mg/L
MW-252	Compliance	E003	10/31/2023	Dissolved Oxygen	0.800	mg/L
MW-252	Compliance	E003	10/31/2023	Fluoride, total	0.260	mg/L
MW-252	Compliance	E003	10/31/2023	Lead, total	0.00100	mg/L
MW-252	Compliance	E003	10/31/2023	Lithium, total	0.0155	mg/L
MW-252	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-252	Compliance	E003	10/31/2023	Molybdenum, total	0.0007 J	mg/L
MW-252	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-77.0	mV
MW-252	Compliance	E003	10/31/2023	pH (field)	6.8	SU
MW-252	Compliance	E003	10/31/2023	Radium 226 + Radium 228, total	0.832 U*	pCi/L
MW-252	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
MW-252	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	1,570	micromhos/cm
MW-252	Compliance	E003	10/31/2023	Sulfate, total	474	mg/L
MW-252	Compliance	E003	10/31/2023	Temperature	13.5	degrees C
MW-252	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
MW-252	Compliance	E003	10/31/2023	Total Dissolved Solids	1,220	mg/L
MW-252	Compliance	E003	10/31/2023	Turbidity, field	40.0	NTU
MW-253	Compliance	E003	11/03/2023	Antimony, total	0.0004 U	mg/L
MW-253	Compliance	E003	11/03/2023	Arsenic, total	0.0004 U	mg/L
MW-253	Compliance	E003	11/03/2023	Barium, total	0.157	mg/L
MW-253	Compliance	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-253	Compliance	E003	11/03/2023	Boron, total	0.0853 J+	mg/L
MW-253	Compliance	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-253	Compliance	E003	11/03/2023	Calcium, total	70.8	mg/L
MW-253	Compliance	E003	11/03/2023	Chloride, total	22.0	mg/L
MW-253	Compliance	E003	11/03/2023	Chromium, total	0.00190	mg/L
MW-253	Compliance	E003	11/03/2023	Cobalt, total	0.0001 U	mg/L
MW-253	Compliance	E003	11/03/2023	Dissolved Oxygen	4.08	mg/L
MW-253	Compliance	E003	11/03/2023	Fluoride, total	0.180	mg/L
MW-253	Compliance	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-253	Compliance	E003	11/03/2023	Lithium, total	0.0328	mg/L
MW-253	Compliance	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-253	Compliance	E003	11/03/2023	Molybdenum, total	0.00710	mg/L
MW-253	Compliance	E003	11/03/2023	Oxidation Reduction Potential	-35.0	mV
MW-253	Compliance	E003	11/03/2023	pH (field)	10.8	SU
MW-253	Compliance	E003	11/03/2023	Radium 226 + Radium 228, total	0.525	pCi/L
MW-253	Compliance	E003	11/03/2023	Selenium, total	0.0006 U	mg/L
MW-253	Compliance	E003	11/03/2023	Specific Conductance @ 25C (field)	428	micromhos/cm
MW-253	Compliance	E003	11/03/2023	Sulfate, total	174 J-	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-253	Compliance	E003	11/03/2023	Temperature	15.9	degrees C
MW-253	Compliance	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-253	Compliance	E003	11/03/2023	Total Dissolved Solids	316	mg/L
MW-253	Compliance	E003	11/03/2023	Turbidity, field	12.0	NTU
MW-350	Compliance	E003	11/03/2023	Antimony, total	0.00190	mg/L
MW-350	Compliance	E003	11/03/2023	Arsenic, total	0.0004 U	mg/L
MW-350	Compliance	E003	11/03/2023	Barium, total	0.201	mg/L
MW-350	Compliance	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-350	Compliance	E003	11/03/2023	Boron, total	0.538	mg/L
MW-350	Compliance	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-350	Compliance	E003	11/03/2023	Calcium, total	49.0	mg/L
MW-350	Compliance	E003	11/03/2023	Chloride, total	47.0	mg/L
MW-350	Compliance	E003	11/03/2023	Chromium, total	0.00310	mg/L
MW-350	Compliance	E003	11/03/2023	Cobalt, total	0.0001 U	mg/L
MW-350	Compliance	E003	11/03/2023	Dissolved Oxygen	1.26	mg/L
MW-350	Compliance	E003	11/03/2023	Fluoride, total	0.110	mg/L
MW-350	Compliance	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-350	Compliance	E003	11/03/2023	Lithium, total	0.0711	mg/L
MW-350	Compliance	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-350	Compliance	E003	11/03/2023	Molybdenum, total	0.00220 J+	mg/L
MW-350	Compliance	E003	11/03/2023	Oxidation Reduction Potential	-242	mV
MW-350	Compliance	E003	11/03/2023	pH (field)	8.4	SU
MW-350	Compliance	E003	11/03/2023	Radium 226 + Radium 228, total	1.55 U*	pCi/L
MW-350	Compliance	E003	11/03/2023	Selenium, total	0.0006 U	mg/L
MW-350	Compliance	E003	11/03/2023	Specific Conductance @ 25C (field)	736	micromhos/cm
MW-350	Compliance	E003	11/03/2023	Sulfate, total	100	mg/L
MW-350	Compliance	E003	11/03/2023	Temperature	13.7	degrees C
MW-350	Compliance	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-350	Compliance	E003	11/03/2023	Total Dissolved Solids	306	mg/L
MW-350	Compliance	E003	11/03/2023	Turbidity, field	4.20	NTU
MW-352	Compliance	E003	10/31/2023	Antimony, total	0.0004 U	mg/L
MW-352	Compliance	E003	10/31/2023	Arsenic, total	0.0004 U	mg/L
MW-352	Compliance	E003	10/31/2023	Barium, total	0.122	mg/L
MW-352	Compliance	E003	10/31/2023	Beryllium, total	0.0002 U	mg/L
MW-352	Compliance	E003	10/31/2023	Boron, total	2.77	mg/L
MW-352	Compliance	E003	10/31/2023	Cadmium, total	0.0002 U	mg/L
MW-352	Compliance	E003	10/31/2023	Calcium, total	93.3	mg/L
MW-352	Compliance	E003	10/31/2023	Chloride, total	567	mg/L
MW-352	Compliance	E003	10/31/2023	Chromium, total	0.0007 U	mg/L
MW-352	Compliance	E003	10/31/2023	Cobalt, total	0.0001 U	mg/L
MW-352	Compliance	E003	10/31/2023	Dissolved Oxygen	4.46	mg/L
MW-352	Compliance	E003	10/31/2023	Fluoride, total	1.65	mg/L
MW-352	Compliance	E003	10/31/2023	Lead, total	0.0007 J	mg/L
MW-352	Compliance	E003	10/31/2023	Lithium, total	0.113	mg/L
MW-352	Compliance	E003	10/31/2023	Mercury, total	0.00006 U	mg/L
MW-352	Compliance	E003	10/31/2023	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-352	Compliance	E003	10/31/2023	Oxidation Reduction Potential	-98.0	mV
MW-352	Compliance	E003	10/31/2023	pH (field)	7.7	SU
MW-352	Compliance	E003	10/31/2023	Selenium, total	0.0006 U	mg/L
MW-352	Compliance	E003	10/31/2023	Specific Conductance @ 25C (field)	1,960	micromhos/cm
MW-352	Compliance	E003	10/31/2023	Sulfate, total	8 J	mg/L
MW-352	Compliance	E003	10/31/2023	Temperature	14.1	degrees C
MW-352	Compliance	E003	10/31/2023	Thallium, total	0.001 U	mg/L
MW-352	Compliance	E003	10/31/2023	Total Dissolved Solids	1,170	mg/L
MW-352	Compliance	E003	10/31/2023	Turbidity, field	5.00	NTU
MW-366	Compliance	E003	11/02/2023	Antimony, total	0.0006 J	mg/L
MW-366	Compliance	E003	11/02/2023	Arsenic, total	0.0004 J	mg/L
MW-366	Compliance	E003	11/02/2023	Barium, total	0.0547	mg/L
MW-366	Compliance	E003	11/02/2023	Beryllium, total	0.0002 U	mg/L
MW-366	Compliance	E003	11/02/2023	Boron, total	1.81	mg/L
MW-366	Compliance	E003	11/02/2023	Cadmium, total	0.0002 U	mg/L
MW-366	Compliance	E003	11/02/2023	Calcium, total	177	mg/L
MW-366	Compliance	E003	11/02/2023	Chloride, total	42.0	mg/L
MW-366	Compliance	E003	11/02/2023	Chromium, total	0.0007 U	mg/L
MW-366	Compliance	E003	11/02/2023	Cobalt, total	0.0003 J	mg/L
MW-366	Compliance	E003	11/02/2023	Dissolved Oxygen	1.18	mg/L
MW-366	Compliance	E003	11/02/2023	Fluoride, total	0.620	mg/L
MW-366	Compliance	E003	11/02/2023	Lead, total	0.0006 U	mg/L
MW-366	Compliance	E003	11/02/2023	Lithium, total	0.0179	mg/L
MW-366	Compliance	E003	11/02/2023	Mercury, total	0.00006 U	mg/L
MW-366	Compliance	E003	11/02/2023	Molybdenum, total	0.00310	mg/L
MW-366	Compliance	E003	11/02/2023	Oxidation Reduction Potential	9.00	mV
MW-366	Compliance	E003	11/02/2023	pH (field)	6.9	SU
MW-366	Compliance	E003	11/02/2023	Radium 226 + Radium 228, total	0.524	pCi/L
MW-366	Compliance	E003	11/02/2023	Selenium, total	0.0006 U	mg/L
MW-366	Compliance	E003	11/02/2023	Specific Conductance @ 25C (field)	1,630	micromhos/cm
MW-366	Compliance	E003	11/02/2023	Sulfate, total	487	mg/L
MW-366	Compliance	E003	11/02/2023	Temperature	15.7	degrees C
MW-366	Compliance	E003	11/02/2023	Thallium, total	0.001 U	mg/L
MW-366	Compliance	E003	11/02/2023	Total Dissolved Solids	1,370	mg/L
MW-366	Compliance	E003	11/02/2023	Turbidity, field	9.40	NTU
MW-375	Compliance	E003	11/03/2023	Antimony, total	0.0007 J	mg/L
MW-375	Compliance	E003	11/03/2023	Arsenic, total	0.00160	mg/L
MW-375	Compliance	E003	11/03/2023	Barium, total	0.0211	mg/L
MW-375	Compliance	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-375	Compliance	E003	11/03/2023	Boron, total	1.35	mg/L
MW-375	Compliance	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-375	Compliance	E003	11/03/2023	Calcium, total	10.7	mg/L
MW-375	Compliance	E003	11/03/2023	Chloride, total	98.0	mg/L
MW-375	Compliance	E003	11/03/2023	Chromium, total	0.0007 U	mg/L
MW-375	Compliance	E003	11/03/2023	Cobalt, total	0.0001 U	mg/L
MW-375	Compliance	E003	11/03/2023	Dissolved Oxygen	0.830	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
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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	E003	11/03/2023	Fluoride, total	3.01	mg/L
MW-375	Compliance	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-375	Compliance	E003	11/03/2023	Lithium, total	0.0705	mg/L
MW-375	Compliance	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-375	Compliance	E003	11/03/2023	Molybdenum, total	0.0252 J+	mg/L
MW-375	Compliance	E003	11/03/2023	Oxidation Reduction Potential	-3.00	mV
MW-375	Compliance	E003	11/03/2023	pH (field)	7.7	SU
MW-375	Compliance	E003	11/03/2023	Radium 226 + Radium 228, total	0.567	pCi/L
MW-375	Compliance	E003	11/03/2023	Selenium, total	0.0006 U	mg/L
MW-375	Compliance	E003	11/03/2023	Specific Conductance @ 25C (field)	1,270	micromhos/cm
MW-375	Compliance	E003	11/03/2023	Sulfate, total	114	mg/L
MW-375	Compliance	E003	11/03/2023	Temperature	14.2	degrees C
MW-375	Compliance	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-375	Compliance	E003	11/03/2023	Total Dissolved Solids	968	mg/L
MW-375	Compliance	E003	11/03/2023	Turbidity, field	19.0	NTU
MW-377	Compliance	E003	11/03/2023	Antimony, total	0.0004 U	mg/L
MW-377	Compliance	E003	11/03/2023	Arsenic, total	0.0004 U	mg/L
MW-377	Compliance	E003	11/03/2023	Barium, total	0.0555	mg/L
MW-377	Compliance	E003	11/03/2023	Beryllium, total	0.0002 U	mg/L
MW-377	Compliance	E003	11/03/2023	Boron, total	1.58	mg/L
MW-377	Compliance	E003	11/03/2023	Cadmium, total	0.0002 U	mg/L
MW-377	Compliance	E003	11/03/2023	Calcium, total	60.2	mg/L
MW-377	Compliance	E003	11/03/2023	Chloride, total	103	mg/L
MW-377	Compliance	E003	11/03/2023	Chromium, total	0.0007 U	mg/L
MW-377	Compliance	E003	11/03/2023	Cobalt, total	0.0001 U	mg/L
MW-377	Compliance	E003	11/03/2023	Dissolved Oxygen	1.47	mg/L
MW-377	Compliance	E003	11/03/2023	Fluoride, total	1.34	mg/L
MW-377	Compliance	E003	11/03/2023	Lead, total	0.0006 U	mg/L
MW-377	Compliance	E003	11/03/2023	Lithium, total	0.0576	mg/L
MW-377	Compliance	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-377	Compliance	E003	11/03/2023	Molybdenum, total	0.0006 U	mg/L
MW-377	Compliance	E003	11/03/2023	Oxidation Reduction Potential	-84.0	mV
MW-377	Compliance	E003	11/03/2023	pH (field)	7.2	SU
MW-377	Compliance	E003	11/03/2023	Radium 226 + Radium 228, total	0.523	pCi/L
MW-377	Compliance	E003	11/03/2023	Selenium, total	0.0006 U	mg/L
MW-377	Compliance	E003	11/03/2023	Specific Conductance @ 25C (field)	1,060	micromhos/cm
MW-377	Compliance	E003	11/03/2023	Sulfate, total	51.0	mg/L
MW-377	Compliance	E003	11/03/2023	Temperature	16.6	degrees C
MW-377	Compliance	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-377	Compliance	E003	11/03/2023	Total Dissolved Solids	628	mg/L
MW-377	Compliance	E003	11/03/2023	Turbidity, field	4.90	NTU
MW-383	Compliance	E003	11/01/2023	Antimony, total	0.0004 U	mg/L
MW-383	Compliance	E003	11/01/2023	Arsenic, total	0.0005 J	mg/L
MW-383	Compliance	E003	11/01/2023	Barium, total	0.0479	mg/L
MW-383	Compliance	E003	11/01/2023	Beryllium, total	0.0002 U	mg/L
MW-383	Compliance	E003	11/01/2023	Boron, total	1.40	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-383	Compliance	E003	11/01/2023	Cadmium, total	0.0002 U	mg/L
MW-383	Compliance	E003	11/01/2023	Calcium, total	18.8	mg/L
MW-383	Compliance	E003	11/01/2023	Chloride, total	46.0	mg/L
MW-383	Compliance	E003	11/01/2023	Chromium, total	0.0007 U	mg/L
MW-383	Compliance	E003	11/01/2023	Cobalt, total	0.0001 U	mg/L
MW-383	Compliance	E003	11/01/2023	Dissolved Oxygen	0.820	mg/L
MW-383	Compliance	E003	11/01/2023	Fluoride, total	0.860	mg/L
MW-383	Compliance	E003	11/01/2023	Lead, total	0.0006 U	mg/L
MW-383	Compliance	E003	11/01/2023	Lithium, total	0.0369	mg/L
MW-383	Compliance	E003	11/01/2023	Mercury, total	0.00006 U	mg/L
MW-383	Compliance	E003	11/01/2023	Molybdenum, total	0.0110	mg/L
MW-383	Compliance	E003	11/01/2023	Oxidation Reduction Potential	-114	mV
MW-383	Compliance	E003	11/01/2023	pH (field)	7.6	SU
MW-383	Compliance	E003	11/01/2023	Radium 226 + Radium 228, total	0.563	pCi/L
MW-383	Compliance	E003	11/01/2023	Selenium, total	0.0006 U	mg/L
MW-383	Compliance	E003	11/01/2023	Specific Conductance @ 25C (field)	1,520	micromhos/cm
MW-383	Compliance	E003	11/01/2023	Sulfate, total	165	mg/L
MW-383	Compliance	E003	11/01/2023	Temperature	17.5	degrees C
MW-383	Compliance	E003	11/01/2023	Thallium, total	0.001 U	mg/L
MW-383	Compliance	E003	11/01/2023	Total Dissolved Solids	934	mg/L
MW-383	Compliance	E003	11/01/2023	Turbidity, field	2.00	NTU
MW-384	Compliance	E003	11/01/2023	Antimony, total	0.0004 U	mg/L
MW-384	Compliance	E003	11/01/2023	Arsenic, total	0.0004 U	mg/L
MW-384	Compliance	E003	11/01/2023	Barium, total	0.0324	mg/L
MW-384	Compliance	E003	11/01/2023	Beryllium, total	0.0002 U	mg/L
MW-384	Compliance	E003	11/01/2023	Boron, total	1.55	mg/L
MW-384	Compliance	E003	11/01/2023	Cadmium, total	0.0002 U	mg/L
MW-384	Compliance	E003	11/01/2023	Calcium, total	8.11	mg/L
MW-384	Compliance	E003	11/01/2023	Chloride, total	978	mg/L
MW-384	Compliance	E003	11/01/2023	Chromium, total	0.0011 J	mg/L
MW-384	Compliance	E003	11/01/2023	Cobalt, total	0.0001 U	mg/L
MW-384	Compliance	E003	11/01/2023	Dissolved Oxygen	0.790	mg/L
MW-384	Compliance	E003	11/01/2023	Fluoride, total	4.93	mg/L
MW-384	Compliance	E003	11/01/2023	Lead, total	0.0006 U	mg/L
MW-384	Compliance	E003	11/01/2023	Lithium, total	0.0480	mg/L
MW-384	Compliance	E003	11/01/2023	Mercury, total	0.00006 U	mg/L
MW-384	Compliance	E003	11/01/2023	Molybdenum, total	0.0167	mg/L
MW-384	Compliance	E003	11/01/2023	Oxidation Reduction Potential	-99.0	mV
MW-384	Compliance	E003	11/01/2023	pH (field)	8.1	SU
MW-384	Compliance	E003	11/01/2023	Radium 226 + Radium 228, total	0.877 U*	pCi/L
MW-384	Compliance	E003	11/01/2023	Selenium, total	0.0006 U	mg/L
MW-384	Compliance	E003	11/01/2023	Specific Conductance @ 25C (field)	2,860	micromhos/cm
MW-384	Compliance	E003	11/01/2023	Sulfate, total	30.0	mg/L
MW-384	Compliance	E003	11/01/2023	Temperature	16.3	degrees C
MW-384	Compliance	E003	11/01/2023	Thallium, total	0.001 U	mg/L
MW-384	Compliance	E003	11/01/2023	Total Dissolved Solids	1,540	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-384	Compliance	E003	11/01/2023	Turbidity, field	3.50	NTU
MW-390	Compliance	E003	11/02/2023	Antimony, total	0.0008 J	mg/L
MW-390	Compliance	E003	11/02/2023	Arsenic, total	0.00230	mg/L
MW-390	Compliance	E003	11/02/2023	Barium, total	0.0442	mg/L
MW-390	Compliance	E003	11/02/2023	Beryllium, total	0.0002 U	mg/L
MW-390	Compliance	E003	11/02/2023	Boron, total	0.962	mg/L
MW-390	Compliance	E003	11/02/2023	Cadmium, total	0.0002 U	mg/L
MW-390	Compliance	E003	11/02/2023	Calcium, total	74.0	mg/L
MW-390	Compliance	E003	11/02/2023	Chloride, total	72.0	mg/L
MW-390	Compliance	E003	11/02/2023	Chromium, total	0.00300	mg/L
MW-390	Compliance	E003	11/02/2023	Cobalt, total	0.00210	mg/L
MW-390	Compliance	E003	11/02/2023	Dissolved Oxygen	1.37	mg/L
MW-390	Compliance	E003	11/02/2023	Fluoride, total	1.45	mg/L
MW-390	Compliance	E003	11/02/2023	Lead, total	0.00680	mg/L
MW-390	Compliance	E003	11/02/2023	Lithium, total	0.0351	mg/L
MW-390	Compliance	E003	11/02/2023	Mercury, total	0.00006 U	mg/L
MW-390	Compliance	E003	11/02/2023	Molybdenum, total	0.00360	mg/L
MW-390	Compliance	E003	11/02/2023	Oxidation Reduction Potential	-70.0	mV
MW-390	Compliance	E003	11/02/2023	pH (field)	7.2	SU
MW-390	Compliance	E003	11/02/2023	Radium 226 + Radium 228, total	3.42 U*	pCi/L
MW-390	Compliance	E003	11/02/2023	Selenium, total	0.0006 U	mg/L
MW-390	Compliance	E003	11/02/2023	Specific Conductance @ 25C (field)	1,460	micromhos/cm
MW-390	Compliance	E003	11/02/2023	Sulfate, total	134 J-	mg/L
MW-390	Compliance	E003	11/02/2023	Temperature	16.6	degrees C
MW-390	Compliance	E003	11/02/2023	Thallium, total	0.001 U	mg/L
MW-390	Compliance	E003	11/02/2023	Total Dissolved Solids	750	mg/L
MW-390	Compliance	E003	11/02/2023	Turbidity, field	100	NTU
MW-391	Compliance	E003	11/03/2023	Antimony, total	0.00260	mg/L
MW-391	Compliance	E003	11/03/2023	Arsenic, total	0.0114	mg/L
MW-391	Compliance	E003	11/03/2023	Barium, total	0.124	mg/L
MW-391	Compliance	E003	11/03/2023	Beryllium, total	0.0007 J	mg/L
MW-391	Compliance	E003	11/03/2023	Boron, total	3.75	mg/L
MW-391	Compliance	E003	11/03/2023	Cadmium, total	0.0004 J	mg/L
MW-391	Compliance	E003	11/03/2023	Calcium, total	183	mg/L
MW-391	Compliance	E003	11/03/2023	Chloride, total	228	mg/L
MW-391	Compliance	E003	11/03/2023	Chromium, total	0.0339	mg/L
MW-391	Compliance	E003	11/03/2023	Cobalt, total	0.0169	mg/L
MW-391	Compliance	E003	11/03/2023	Dissolved Oxygen	1.12	mg/L
MW-391	Compliance	E003	11/03/2023	Fluoride, total	4.07	mg/L
MW-391	Compliance	E003	11/03/2023	Lead, total	0.0127	mg/L
MW-391	Compliance	E003	11/03/2023	Lithium, total	0.115	mg/L
MW-391	Compliance	E003	11/03/2023	Mercury, total	0.00006 U	mg/L
MW-391	Compliance	E003	11/03/2023	Molybdenum, total	0.0709	mg/L
MW-391	Compliance	E003	11/03/2023	Oxidation Reduction Potential	55.0	mV
MW-391	Compliance	E003	11/03/2023	pH (field)	7.7	SU
MW-391	Compliance	E003	11/03/2023	Radium 226 + Radium 228, total	8.54 J+	pCi/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2023
845 QUARTERLY REPORT
BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
MW-391	Compliance	E003	11/03/2023	Selenium, total	0.00130	mg/L
MW-391	Compliance	E003	11/03/2023	Specific Conductance @ 25C (field)	2,870	micromhos/cm
MW-391	Compliance	E003	11/03/2023	Sulfate, total	870	mg/L
MW-391	Compliance	E003	11/03/2023	Temperature	15.1	degrees C
MW-391	Compliance	E003	11/03/2023	Thallium, total	0.001 U	mg/L
MW-391	Compliance	E003	11/03/2023	Total Dissolved Solids	2,590	mg/L
MW-391	Compliance	E003	11/03/2023	Turbidity, field	50.0	NTU

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

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-150	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-150	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.017	2	Standard	No Exceedance
MW-150	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.004	Standard	No Exceedance
MW-150	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	4.12	2.16	Background	Determined
MW-150	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-150	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	56	1,370	Background	No Exceedance
MW-150	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.1	Standard	No Exceedance
MW-150	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.7	4	Standard	No Exceedance
MW-150	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0075	Standard	No Exceedance
MW-150	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0506	0.14	Background	No Exceedance
MW-150	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-150	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-150	PMP	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	7.1/7.1	6.5/11.11	Background/Background	No Exceedance
MW-150	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	1.39	5	Standard	No Exceedance
MW-150	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0015	0.05	Standard	No Exceedance
MW-150	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	970	762	Background	Determined
MW-150	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-150	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1,790	3,260	Background	No Exceedance
MW-151	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-151	PMP	E001R	Antimony, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-151	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	67	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-151	PMP	E001R	Arsenic, total	mg/L	03/15/23 - 07/10/23	3	67	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-151	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.138	2	Standard	No Exceedance
MW-151	PMP	E001R	Barium, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.055	2	Standard	No Exceedance
MW-151	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	67	Most recent sample	0.0015	0.004	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-151	PMP	E001R	Beryllium, total	mg/L	03/15/23 - 07/10/23	3	67	Most recent sample	0.0005	0.004	Standard	No Exceedance
MW-151	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.345	2.16	Background	No Exceedance
MW-151	PMP	E001R	Boron, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.749	2.16	Background	No Exceedance
MW-151	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-151	PMP	E001R	Cadmium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-151	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	46	1,370	Background	No Exceedance
MW-151	PMP	E001R	Chloride, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	38	1,370	Background	No Exceedance
MW-151	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	33	Most recent sample	0.028	0.1	Standard	No Exceedance
MW-151	PMP	E001R	Chromium, total	mg/L	03/15/23 - 07/10/23	3	33	Most recent sample	0.005	0.1	Standard	No Exceedance
MW-151	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	33	Most recent sample	0.0172	0.006	Standard	Potential
MW-151	PMP	E001R	Cobalt, total	mg/L	03/15/23 - 07/10/23	3	33	Most recent sample	0.001	0.006	Standard	Not Confirmed
MW-151	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.54	4	Standard	No Exceedance
MW-151	PMP	E001R	Fluoride, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.53	4	Standard	No Exceedance
MW-151	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	33	Most recent sample	0.02	0.0075	Standard	Potential
MW-151	PMP	E001R	Lead, total	mg/L	03/15/23 - 07/10/23	3	33	Most recent sample	0.0075	0.0075	Standard	Not Confirmed
MW-151	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0323	0.14	Background	No Exceedance
MW-151	PMP	E001R	Lithium, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.0277	0.14	Background	No Exceedance
MW-151	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-151	PMP	E001R	Mercury, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-151	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-151	PMP	E001R	Molybdenum, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-151	PMP	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	6.8/6.8	6.5/11.11	Background/Background	No Exceedance
MW-151	PMP	E001R	pH (field)	SU	03/15/23 - 07/10/23	3	0	Most recent sample	7.0/7.0	6.5/11.11	Background/Background	No Exceedance
MW-151	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	2.92	5	Standard	No Exceedance
MW-151	PMP	E001R	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.235	5	Standard	No Exceedance
MW-151	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-151	PMP	E001R	Selenium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.001	0.05	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-151	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	74	762	Background	No Exceedance
MW-151	PMP	E001R	Sulfate, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	82	762	Background	No Exceedance
MW-151	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-151	PMP	E001R	Thallium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-151	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	545	3,260	Background	No Exceedance
MW-151	PMP	E001R	Total Dissolved Solids	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	602	3,260	Background	No Exceedance
MW-152	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-152	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-152	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0167	2	Standard	No Exceedance
MW-152	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.004	Standard	No Exceedance
MW-152	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.515	2.16	Background	No Exceedance
MW-152	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-152	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	8	1,370	Background	No Exceedance
MW-152	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.1	Standard	No Exceedance
MW-152	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-152	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.31	4	Standard	No Exceedance
MW-152	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0075	Standard	No Exceedance
MW-152	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	50	Most recent sample	0.005	0.14	Background	No Exceedance
MW-152	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-152	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-152	PMP	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	6.9/6.9	6.5/11.11	Background/Background	No Exceedance
MW-152	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.179	5	Standard	No Exceedance
MW-152	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-152	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	242	762	Background	No Exceedance
MW-152	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-152	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	706	3,260	Background	No Exceedance
MW-153	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-153	PMP	E001R	Antimony, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-153	PMP	E001R	Arsenic, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-153	PMP	E001	Barium, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	0.0867	2	Standard	No Exceedance
MW-153	PMP	E001R	Barium, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.0365	2	Standard	No Exceedance
MW-153	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0006	0.004	Standard	No Exceedance
MW-153	PMP	E001R	Beryllium, total	mg/L	03/15/23 - 07/10/23	3	67	Most recent sample	0.0005	0.004	Standard	No Exceedance
MW-153	PMP	E001	Boron, total	mg/L	03/15/23 - 05/22/23	2	75	Most recent sample	0.02	2.16	Background	No Exceedance
MW-153	PMP	E001R	Boron, total	mg/L	03/15/23 - 07/10/23	3	75	Most recent sample	0.02	2.16	Background	No Exceedance
MW-153	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-153	PMP	E001R	Cadmium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-153	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	16	1,370	Background	No Exceedance
MW-153	PMP	E001R	Chloride, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	15	1,370	Background	No Exceedance
MW-153	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0119	0.1	Standard	No Exceedance
MW-153	PMP	E001R	Chromium, total	mg/L	03/15/23 - 07/10/23	3	67	Most recent sample	0.005	0.1	Standard	No Exceedance
MW-153	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0023	0.006	Standard	No Exceedance
MW-153	PMP	E001R	Cobalt, total	mg/L	03/15/23 - 07/10/23	3	67	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	0.36	4	Standard	No Exceedance
MW-153	PMP	E001R	Fluoride, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.39	4	Standard	No Exceedance
MW-153	PMP	E001	Lead, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0083	0.0075	Standard	Potential
MW-153	PMP	E001R	Lead, total	mg/L	03/15/23 - 07/10/23	3	67	Most recent sample	0.0075	0.0075	Standard	Not Confirmed
MW-153	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/22/23	2	33	Most recent sample	0.005	0.14	Background	No Exceedance
MW-153	PMP	E001R	Lithium, total	mg/L	03/15/23 - 07/10/23	3	33	Most recent sample	0.0034	0.14	Background	No Exceedance
MW-153	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-153	PMP	E001R	Mercury, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-153	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-153	PMP	E001R	Molybdenum, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.01	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-153	PMP	E001	pH (field)	SU	03/15/23 - 05/22/23	2	0	Most recent sample	7.2/7.2	6.5/11.11	Background/Background	No Exceedance
MW-153	PMP	E001R	pH (field)	SU	03/15/23 - 07/10/23	3	0	Most recent sample	6.8/6.8	6.5/11.11	Background/Background	No Exceedance
MW-153	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/22/23	2	0	Most recent sample	2.68	5	Standard	No Exceedance
MW-153	PMP	E001R	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.732	5	Standard	No Exceedance
MW-153	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	0.0026	0.05	Standard	No Exceedance
MW-153	PMP	E001R	Selenium, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.0024	0.05	Standard	No Exceedance
MW-153	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	75	762	Background	No Exceedance
MW-153	PMP	E001R	Sulfate, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	62	762	Background	No Exceedance
MW-153	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-153	PMP	E001R	Thallium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-153	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	350	3,260	Background	No Exceedance
MW-153	PMP	E001R	Total Dissolved Solids	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	378	3,260	Background	No Exceedance
MW-252	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0036	0.006	Standard	No Exceedance
MW-252	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-252	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0377	2	Standard	No Exceedance
MW-252	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.004	Standard	No Exceedance
MW-252	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.174	2.16	Background	No Exceedance
MW-252	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-252	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	38	1,370	Background	No Exceedance
MW-252	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.1	Standard	No Exceedance
MW-252	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	50	Most recent sample	0.0022	0.006	Standard	No Exceedance
MW-252	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.22	4	Standard	No Exceedance
MW-252	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0075	Standard	No Exceedance
MW-252	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0102	0.14	Background	No Exceedance
MW-252	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-252	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-252	PMP	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	6.8/6.8	6.5/11.11	Background/Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-252	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.237	5	Standard	No Exceedance
MW-252	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-252	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	454	762	Background	No Exceedance
MW-252	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-252	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1,200	3,260	Background	No Exceedance
MW-350	UA	E001	Antimony, total	mg/L	03/26/20 - 05/18/23	8	12	CI around mean	0.00067	0.006	Standard	No Exceedance
MW-350	UA	E001	Arsenic, total	mg/L	03/26/20 - 05/18/23	8	88	CI around median	0.001	0.0104	Background	No Exceedance
MW-350	UA	E001	Barium, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	0.176	2	Standard	No Exceedance
MW-350	UA	E001	Beryllium, total	mg/L	03/26/20 - 05/18/23	6	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
MW-350	UA	E001	Boron, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	0.535	2.16	Background	No Exceedance
MW-350	UA	E001	Cadmium, total	mg/L	03/26/20 - 05/18/23	6	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-350	UA	E001	Chloride, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	38.7	1,370	Background	No Exceedance
MW-350	UA	E001	Chromium, total	mg/L	03/26/20 - 05/18/23	8	75	CI around median	0.0015	0.1	Standard	No Exceedance
MW-350	UA	E001	Cobalt, total	mg/L	03/26/20 - 05/18/23	8	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-350	UA	E001	Fluoride, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	0.142	4	Standard	No Exceedance
MW-350	UA	E001	Lead, total	mg/L	03/26/20 - 05/18/23	8	50	CI around median	0.001	0.0075	Standard	No Exceedance
MW-350	UA	E001	Lithium, total	mg/L	03/26/20 - 05/18/23	9	0	CI around mean	0.0728	0.14	Background	No Exceedance
MW-350	UA	E001	Mercury, total	mg/L	03/26/20 - 05/18/23	6	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-350	UA	E001	Molybdenum, total	mg/L	03/26/20 - 05/18/23	8	12	CI around mean	0.00228	0.1	Standard	No Exceedance
MW-350	UA	E001	pH (field)	SU	03/26/20 - 05/18/23	16	0	CI around median	10.7/11.5	6.5/11.11	Background/Background	No Exceedance
MW-350	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/26/20 - 05/18/23	8	0	CI around mean	0.809	5	Standard	No Exceedance
MW-350	UA	E001	Selenium, total	mg/L	03/26/20 - 05/18/23	8	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-350	UA	E001	Sulfate, total	mg/L	03/26/20 - 05/18/23	8	11	CI around mean	62.9	762	Background	No Exceedance
MW-350	UA	E001	Thallium, total	mg/L	03/26/20 - 05/18/23	8	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-350	UA	E001	Total Dissolved Solids	mg/L	03/26/20 - 05/18/23	15	0	CB around linear reg	331	3,260	Background	No Exceedance
MW-352	UA	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-352	UA	E001R	Antimony, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-352	UA	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-352	UA	E001R	Arsenic, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.01	0.0104	Background	No Exceedance
MW-352	UA	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0891	2	Standard	No Exceedance
MW-352	UA	E001R	Barium, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.0898	2	Standard	No Exceedance
MW-352	UA	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.004	Standard	No Exceedance
MW-352	UA	E001R	Beryllium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.0005	0.004	Standard	No Exceedance
MW-352	UA	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	2.04	2.16	Background	No Exceedance
MW-352	UA	E001R	Boron, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	2.1	2.16	Background	No Exceedance
MW-352	UA	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-352	UA	E001R	Cadmium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.002	0.005	Standard	No Exceedance
MW-352	UA	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	569	1,370	Background	No Exceedance
MW-352	UA	E001R	Chloride, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	582	1,370	Background	No Exceedance
MW-352	UA	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.1	Standard	No Exceedance
MW-352	UA	E001R	Chromium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.005	0.1	Standard	No Exceedance
MW-352	UA	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-352	UA	E001R	Cobalt, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.001	0.006	Standard	No Exceedance
MW-352	UA	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1.27	4	Standard	No Exceedance
MW-352	UA	E001R	Fluoride, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	1.46	4	Standard	No Exceedance
MW-352	UA	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0075	Standard	No Exceedance
MW-352	UA	E001R	Lead, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.0075	0.0075	Standard	No Exceedance
MW-352	UA	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0934	0.14	Background	No Exceedance
MW-352	UA	E001R	Lithium, total	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	0.102	0.14	Background	No Exceedance
MW-352	UA	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-352	UA	E001R	Mercury, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.0002	0.002	Standard	No Exceedance
MW-352	UA	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-352	UA	E001R	Molybdenum, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.01	0.1	Standard	No Exceedance
MW-352	UA	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	7.4/7.4	6.5/11.11	Background/Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-352	UA	E001R	pH (field)	SU	03/15/23 - 07/10/23	3	0	Most recent sample	7.3/7.3	6.5/11.11	Background/Background	No Exceedance
MW-352	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	1.09	5	Standard	No Exceedance
MW-352	UA	E001R	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 07/10/23	3	0	Most recent sample	1.06	5	Standard	No Exceedance
MW-352	UA	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-352	UA	E001R	Selenium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-352	UA	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	10	762	Background	No Exceedance
MW-352	UA	E001R	Sulfate, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	10	762	Background	No Exceedance
MW-352	UA	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-352	UA	E001R	Thallium, total	mg/L	03/15/23 - 07/10/23	3	100	Most recent sample	0.002	0.002	Standard	No Exceedance
MW-352	UA	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1,270	3,260	Background	No Exceedance
MW-352	UA	E001R	Total Dissolved Solids	mg/L	03/15/23 - 07/10/23	3	0	Most recent sample	1,330	3,260	Background	No Exceedance
MW-366	UA	E001	Antimony, total	mg/L	01/20/16 - 05/16/23	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-366	UA	E001	Arsenic, total	mg/L	01/20/16 - 05/16/23	20	95	CI around median	0.001	0.0104	Background	No Exceedance
MW-366	UA	E001	Barium, total	mg/L	01/20/16 - 05/16/23	20	0	CB around linear reg	0.0195	2	Standard	No Exceedance
MW-366	UA	E001	Beryllium, total	mg/L	01/20/16 - 05/16/23	15	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
MW-366	UA	E001	Boron, total	mg/L	01/20/16 - 05/16/23	21	0	CI around geomean	1.49	2.16	Background	No Exceedance
MW-366	UA	E001	Cadmium, total	mg/L	01/20/16 - 05/16/23	15	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-366	UA	E001	Chloride, total	mg/L	01/20/16 - 05/16/23	21	0	CB around linear reg	48.4	1,370	Background	No Exceedance
MW-366	UA	E001	Chromium, total	mg/L	01/20/16 - 05/16/23	20	100	All ND - Last	0.005	0.1	Standard	No Exceedance
MW-366	UA	E001	Cobalt, total	mg/L	01/20/16 - 05/16/23	18	78	CI around median	0.001	0.006	Standard	No Exceedance
MW-366	UA	E001	Fluoride, total	mg/L	01/20/16 - 05/16/23	21	0	CB around linear reg	0.0856	4	Standard	No Exceedance
MW-366	UA	E001	Lead, total	mg/L	01/20/16 - 05/16/23	17	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
MW-366	UA	E001	Lithium, total	mg/L	01/20/16 - 05/16/23	20	5	CB around linear reg	0.000159	0.14	Background	No Exceedance
MW-366	UA	E001	Mercury, total	mg/L	01/20/16 - 05/16/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-366	UA	E001	Molybdenum, total	mg/L	01/20/16 - 05/16/23	20	5	CI around mean	0.00285	0.1	Standard	No Exceedance
MW-366	UA	E001	pH (field)	SU	01/20/16 - 05/16/23	21	0	CB around linear reg	6.5/7.0	6.5/11.11	Background/Background	No Exceedance
MW-366	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 05/16/23	20	0	CI around geomean	0.416	5	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-366	UA	E001	Selenium, total	mg/L	01/20/16 - 05/16/23	20	95	CI around median	0.001	0.05	Standard	No Exceedance
MW-366	UA	E001	Sulfate, total	mg/L	01/20/16 - 05/16/23	21	0	CB around linear reg	570	762	Background	No Exceedance
MW-366	UA	E001	Thallium, total	mg/L	01/20/16 - 05/16/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-366	UA	E001	Total Dissolved Solids	mg/L	01/20/16 - 05/16/23	20	0	CB around linear reg	1,210	3,260	Background	No Exceedance
MW-375	UA	E001	Antimony, total	mg/L	01/20/16 - 05/18/23	20	20	CB around T-S line	-6.29e-05	0.006	Standard	No Exceedance
MW-375	UA	E001	Arsenic, total	mg/L	01/20/16 - 05/18/23	20	5	CI around median	0.0014	0.0104	Background	No Exceedance
MW-375	UA	E001	Barium, total	mg/L	01/20/16 - 05/18/23	20	0	CI around geomean	0.0245	2	Standard	No Exceedance
MW-375	UA	E001	Beryllium, total	mg/L	01/20/16 - 05/18/23	15	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
MW-375	UA	E001	Boron, total	mg/L	01/20/16 - 05/18/23	21	0	CB around T-S line	1.43	2.16	Background	No Exceedance
MW-375	UA	E001	Cadmium, total	mg/L	01/20/16 - 05/18/23	15	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-375	UA	E001	Chloride, total	mg/L	01/20/16 - 05/18/23	21	0	CB around linear reg	96.9	1,370	Background	No Exceedance
MW-375	UA	E001	Chromium, total	mg/L	01/20/16 - 05/18/23	20	100	All ND - Last	0.005	0.1	Standard	No Exceedance
MW-375	UA	E001	Cobalt, total	mg/L	01/20/16 - 05/18/23	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-375	UA	E001	Fluoride, total	mg/L	01/20/16 - 05/18/23	21	0	CI around mean	2.21	4	Standard	No Exceedance
MW-375	UA	E001	Lead, total	mg/L	01/20/16 - 05/18/23	17	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
MW-375	UA	E001	Lithium, total	mg/L	01/20/16 - 05/18/23	20	0	CB around linear reg	0.0709	0.14	Background	No Exceedance
MW-375	UA	E001	Mercury, total	mg/L	01/20/16 - 05/18/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-375	UA	E001	Molybdenum, total	mg/L	01/20/16 - 05/18/23	20	0	CI around mean	0.0243	0.1	Standard	No Exceedance
MW-375	UA	E001	pH (field)	SU	01/20/16 - 05/18/23	21	0	CI around median	7.8/7.8	6.5/11.11	Background/Background	No Exceedance
MW-375	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 05/18/23	20	0	CI around median	0.23	5	Standard	No Exceedance
MW-375	UA	E001	Selenium, total	mg/L	01/20/16 - 05/18/23	20	90	CI around median	0.001	0.05	Standard	No Exceedance
MW-375	UA	E001	Sulfate, total	mg/L	01/20/16 - 05/18/23	21	0	CI around mean	117	762	Background	No Exceedance
MW-375	UA	E001	Thallium, total	mg/L	01/20/16 - 05/18/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-375	UA	E001	Total Dissolved Solids	mg/L	01/20/16 - 05/18/23	21	0	CB around T-S line	955	3,260	Background	No Exceedance
MW-377	UA	E001	Antimony, total	mg/L	01/19/16 - 05/22/23	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-377	UA	E001	Arsenic, total	mg/L	01/19/16 - 05/22/23	20	80	CI around median	0.001	0.0104	Background	No Exceedance
MW-377	UA	E001	Barium, total	mg/L	01/19/16 - 05/22/23	20	0	CI around mean	0.0603	2	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-377	UA	E001	Beryllium, total	mg/L	01/19/16 - 05/22/23	15	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
MW-377	UA	E001	Boron, total	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	1.67	2.16	Background	No Exceedance
MW-377	UA	E001	Cadmium, total	mg/L	01/19/16 - 05/22/23	15	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-377	UA	E001	Chloride, total	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	89.6	1,370	Background	No Exceedance
MW-377	UA	E001	Chromium, total	mg/L	01/19/16 - 05/22/23	20	95	CB around T-S line	0.0012	0.1	Standard	No Exceedance
MW-377	UA	E001	Cobalt, total	mg/L	01/19/16 - 05/22/23	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-377	UA	E001	Fluoride, total	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	1.11	4	Standard	No Exceedance
MW-377	UA	E001	Lead, total	mg/L	01/19/16 - 05/22/23	17	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
MW-377	UA	E001	Lithium, total	mg/L	01/19/16 - 05/22/23	20	0	CB around linear reg	0.0574	0.14	Background	No Exceedance
MW-377	UA	E001	Mercury, total	mg/L	01/19/16 - 05/22/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-377	UA	E001	Molybdenum, total	mg/L	01/19/16 - 05/22/23	20	60	CI around median	0.0015	0.1	Standard	No Exceedance
MW-377	UA	E001	pH (field)	SU	01/19/16 - 05/22/23	21	0	CI around median	7.1/7.2	6.5/11.11	Background/Background	No Exceedance
MW-377	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 05/22/23	20	0	CI around mean	0.347	5	Standard	No Exceedance
MW-377	UA	E001	Selenium, total	mg/L	01/19/16 - 05/22/23	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-377	UA	E001	Sulfate, total	mg/L	01/19/16 - 05/22/23	21	0	CB around linear reg	35.2	762	Background	No Exceedance
MW-377	UA	E001	Thallium, total	mg/L	01/19/16 - 05/22/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-377	UA	E001	Total Dissolved Solids	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	596	3,260	Background	No Exceedance
MW-383	UA	E001	Antimony, total	mg/L	01/21/16 - 05/22/23	20	85	CB around T-S line	0.000622	0.006	Standard	No Exceedance
MW-383	UA	E001	Arsenic, total	mg/L	01/21/16 - 05/22/23	20	75	CI around median	0.001	0.0104	Background	No Exceedance
MW-383	UA	E001	Barium, total	mg/L	01/21/16 - 05/22/23	20	0	CB around T-S line	0.0445	2	Standard	No Exceedance
MW-383	UA	E001	Beryllium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
MW-383	UA	E001	Boron, total	mg/L	01/21/16 - 05/22/23	21	0	CI around median	1.34	2.16	Background	No Exceedance
MW-383	UA	E001	Cadmium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-383	UA	E001	Chloride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	41	1,370	Background	No Exceedance
MW-383	UA	E001	Chromium, total	mg/L	01/21/16 - 05/22/23	20	95	CB around T-S line	0.00121	0.1	Standard	No Exceedance
MW-383	UA	E001	Cobalt, total	mg/L	01/21/16 - 05/22/23	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-383	UA	E001	Fluoride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	0.63	4	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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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	GWPS	GWPS Source	Exceedance Type
MW-383	UA	E001	Lead, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
MW-383	UA	E001	Lithium, total	mg/L	01/21/16 - 05/22/23	20	0	CI around mean	0.0329	0.14	Background	No Exceedance
MW-383	UA	E001	Mercury, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-383	UA	E001	Molybdenum, total	mg/L	01/21/16 - 05/22/23	20	0	CI around geomean	0.0102	0.1	Standard	No Exceedance
MW-383	UA	E001	pH (field)	SU	01/21/16 - 05/22/23	21	0	CB around linear reg	7.4/7.6	6.5/11.11	Background/Background	No Exceedance
MW-383	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 05/22/23	20	0	CI around geomean	0.224	5	Standard	No Exceedance
MW-383	UA	E001	Selenium, total	mg/L	01/21/16 - 05/22/23	20	95	CI around median	0.001	0.05	Standard	No Exceedance
MW-383	UA	E001	Sulfate, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	148	762	Background	No Exceedance
MW-383	UA	E001	Thallium, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-383	UA	E001	Total Dissolved Solids	mg/L	01/21/16 - 05/22/23	21	0	CI around mean	873	3,260	Background	No Exceedance
MW-384	UA	E001	Antimony, total	mg/L	01/21/16 - 05/22/23	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-384	UA	E001	Arsenic, total	mg/L	01/21/16 - 05/22/23	20	100	All ND - Last	0.01	0.0104	Background	No Exceedance
MW-384	UA	E001	Barium, total	mg/L	01/21/16 - 05/22/23	20	0	CB around T-S line	0.0329	2	Standard	No Exceedance
MW-384	UA	E001	Beryllium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
MW-384	UA	E001	Boron, total	mg/L	01/21/16 - 05/22/23	21	0	CI around median	1.41	2.16	Background	No Exceedance
MW-384	UA	E001	Cadmium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-384	UA	E001	Chloride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	447	1,370	Background	No Exceedance
MW-384	UA	E001	Chromium, total	mg/L	01/21/16 - 05/22/23	20	95	CB around T-S line	0.00121	0.1	Standard	No Exceedance
MW-384	UA	E001	Cobalt, total	mg/L	01/21/16 - 05/22/23	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-384	UA	E001	Fluoride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	3.41	4	Standard	No Exceedance
MW-384	UA	E001	Lead, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
MW-384	UA	E001	Lithium, total	mg/L	01/21/16 - 05/22/23	20	0	CI around mean	0.0384	0.14	Background	No Exceedance
MW-384	UA	E001	Mercury, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-384	UA	E001	Molybdenum, total	mg/L	01/21/16 - 05/22/23	20	0	CB around linear reg	0.0242	0.1	Standard	No Exceedance
MW-384	UA	E001	pH (field)	SU	01/21/16 - 05/22/23	21	0	CI around median	7.8/8.0	6.5/11.11	Background/Background	No Exceedance
MW-384	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 05/22/23	20	0	CI around geomean	0.333	5	Standard	No Exceedance
MW-384	UA	E001	Selenium, total	mg/L	01/21/16 - 05/22/23	20	100	All ND - Last	0.001	0.05	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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	Exceedance Type
MW-384	UA	E001	Sulfate, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	-1.43	762	Background	No Exceedance
MW-384	UA	E001	Thallium, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-384	UA	E001	Total Dissolved Solids	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	1,420	3,260	Background	No Exceedance
MW-390	UA	E001	Antimony, total	mg/L	03/22/16 - 05/17/23	20	95	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E001	Arsenic, total	mg/L	03/22/16 - 05/17/23	20	10	CI around median	0.0013	0.0104	Background	No Exceedance
MW-390	UA	E001	Barium, total	mg/L	03/22/16 - 05/17/23	20	0	CB around linear reg	0.0691	2	Standard	No Exceedance
MW-390	UA	E001	Beryllium, total	mg/L	03/22/16 - 05/17/23	15	100	All ND - Last	0.0005	0.004	Standard	No Exceedance
MW-390	UA	E001	Boron, total	mg/L	03/22/16 - 05/17/23	21	0	CB around linear reg	-0.805	2.16	Background	No Exceedance
MW-390	UA	E001	Cadmium, total	mg/L	03/22/16 - 05/17/23	15	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-390	UA	E001	Chloride, total	mg/L	03/22/16 - 05/17/23	21	0	CI around mean	64	1,370	Background	No Exceedance
MW-390	UA	E001	Chromium, total	mg/L	03/22/16 - 05/17/23	20	100	All ND - Last	0.005	0.1	Standard	No Exceedance
MW-390	UA	E001	Cobalt, total	mg/L	03/22/16 - 05/17/23	18	67	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E001	Fluoride, total	mg/L	03/22/16 - 05/17/23	21	0	CB around linear reg	0.2	4	Standard	No Exceedance
MW-390	UA	E001	Lead, total	mg/L	03/22/16 - 05/17/23	17	94	CI around median	0.001	0.0075	Standard	No Exceedance
MW-390	UA	E001	Lithium, total	mg/L	03/22/16 - 05/17/23	20	5	CB around linear reg	-0.000547	0.14	Background	No Exceedance
MW-390	UA	E001	Mercury, total	mg/L	03/22/16 - 05/17/23	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-390	UA	E001	Molybdenum, total	mg/L	03/22/16 - 05/17/23	20	5	CI around geomean	0.00313	0.1	Standard	No Exceedance
MW-390	UA	E001	pH (field)	SU	03/22/16 - 05/17/23	21	0	CB around linear reg	6.7/7.2	6.5/11.11	Background/Background	No Exceedance
MW-390	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 05/17/23	20	0	CI around mean	0.624	5	Standard	No Exceedance
MW-390	UA	E001	Selenium, total	mg/L	03/22/16 - 05/17/23	20	90	CI around median	0.001	0.05	Standard	No Exceedance
MW-390	UA	E001	Sulfate, total	mg/L	03/22/16 - 05/17/23	21	0	CI around mean	137	762	Background	No Exceedance
MW-390	UA	E001	Thallium, total	mg/L	03/22/16 - 05/17/23	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-390	UA	E001	Total Dissolved Solids	mg/L	03/22/16 - 05/17/23	21	0	CI around mean	676	3,260	Background	No Exceedance
MW-391	UA	E001	Antimony, total	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	0.00151	0.006	Standard	No Exceedance
MW-391	UA	E001	Arsenic, total	mg/L	12/22/16 - 05/17/23	15	7	CB around linear reg	0.00306	0.0104	Background	No Exceedance
MW-391	UA	E001	Barium, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	0.00824	2	Standard	No Exceedance
MW-391	UA	E001	Beryllium, total	mg/L	12/22/16 - 05/17/23	10	100	All ND - Last	0.0005	0.004	Standard	No Exceedance

TABLE 2.
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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	GWPS	GWPS Source	Exceedance Type
MW-391	UA	E001	Boron, total	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	2.42	2.16	Background	Determined
MW-391	UA	E001	Cadmium, total	mg/L	12/22/16 - 05/17/23	10	100	All ND - Last	0.002	0.005	Standard	No Exceedance
MW-391	UA	E001	Chloride, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	75.6	1,370	Background	No Exceedance
MW-391	UA	E001	Chromium, total	mg/L	12/22/16 - 05/17/23	15	80	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-391	UA	E001	Cobalt, total	mg/L	12/22/16 - 05/17/23	13	92	CI around median	0.001	0.006	Standard	No Exceedance
MW-391	UA	E001	Fluoride, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	2.84	4	Standard	No Exceedance
MW-391	UA	E001	Lead, total	mg/L	12/22/16 - 05/17/23	12	100	All ND - Last	0.0075	0.0075	Standard	No Exceedance
MW-391	UA	E001	Lithium, total	mg/L	12/22/16 - 05/17/23	16	0	CI around mean	0.0689	0.14	Background	No Exceedance
MW-391	UA	E001	Mercury, total	mg/L	12/22/16 - 05/17/23	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-391	UA	E001	Molybdenum, total	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	0.0368	0.1	Standard	No Exceedance
MW-391	UA	E001	pH (field)	SU	12/22/16 - 05/17/23	16	0	CB around linear reg	7.6/8.1	6.5/11.11	Background/Background	No Exceedance
MW-391	UA	E001	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 05/17/23	15	0	CI around mean	0.724	5	Standard	No Exceedance
MW-391	UA	E001	Selenium, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	-0.0066	0.05	Standard	No Exceedance
MW-391	UA	E001	Sulfate, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	64.8	762	Background	No Exceedance
MW-391	UA	E001	Thallium, total	mg/L	12/22/16 - 05/17/23	13	92	CI around median	0.001	0.002	Standard	No Exceedance
MW-391	UA	E001	Total Dissolved Solids	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	1,960	3,260	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2023
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BALDWIN POWER PLANT
FLY ASH POND SYSTEM
BALDWIN, IL

Notes:
Exceedance Type:

No Exceedance: No exceedance of the GWPS and no resample was collected.

Not Confirmed: An exceedance was determined in the parent event, a resample was collected, and the resample did not confirm the exceedance.

Potential: An individual LCL or UCL exceeded the GWPS; resample has been collected and not confirmed the exceedance OR resample is pending.

Determined: An exceedance was determined without comparison to a resample.

HSU = hydrostratigraphic unit:

PMP = Potential Migration Pathway

UA = Uppermost Aquifer

LCL = Lower Confidence Limit
mg/L = milligrams per liter
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 Statistical Analysis Plan using constituent concentrations observed at 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)

UCL = Upper Confidence Limit

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Antimony, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.0104	Background	No Exceedance
MW-150	PMP	E002	Barium, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.0194	2.0	Standard	No Exceedance
MW-150	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-150	PMP	E002	Boron, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	4.38	2.16	Background	Exceedance
MW-150	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-150	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	53	1,370	Background	No Exceedance
MW-150	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-150	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-150	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.75	4.0	Standard	No Exceedance
MW-150	PMP	E002	Lead, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-150	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.0502	0.140	Background	No Exceedance
MW-150	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-150	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/07/23	3	67	Most recent sample	0.0015	0.1	Standard	No Exceedance
MW-150	PMP	E002	pH (field)	SU	03/22/16 - 08/07/23	31	0	CB around T-S line	6.9/7.0	6.5/11.1	Standard/Background	No Exceedance
MW-150	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.628	5	Standard	No Exceedance
MW-150	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/07/23	3	33	Most recent sample	0.001	0.05	Standard	No Exceedance
MW-150	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	852	762	Background	Exceedance
MW-150	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-150	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/07/23	31	0	CB around linear reg	1,670	3,260	Background	No Exceedance
MW-151	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-151	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/07/23	4	50	CI around mean	0.00111	0.0104	Background	No Exceedance
MW-151	PMP	E002	Barium, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	-0.00876	2.0	Standard	No Exceedance
MW-151	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/07/23	4	75	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
MW-151	PMP	E002	Boron, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	0.04	2.16	Background	No Exceedance
MW-151	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-151	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	30.2	1,370	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Chromium, total	mg/L	03/15/23 - 08/07/23	4	25	CI around mean	-0.00972	0.1	Standard	No Exceedance
MW-151	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/07/23	4	25	CI around mean	-0.00834	0.006	Standard	No Exceedance
MW-151	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	0.482	4.0	Standard	No Exceedance
MW-151	PMP	E002	Lead, total	mg/L	03/15/23 - 08/07/23	4	25	CI around mean	-0.0104	0.0075	Standard	No Exceedance
MW-151	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	0.0218	0.140	Background	No Exceedance
MW-151	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-151	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-151	PMP	E002	pH (field)	SU	03/16/17 - 08/07/23	28	0	CI around mean	6.9/7.0	6.5/11.1	Standard/Background	No Exceedance
MW-151	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/07/23	4	0	CI around mean	-0.837	5	Standard	No Exceedance
MW-151	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-151	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	64.7	762	Background	No Exceedance
MW-151	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-151	PMP	E002	Total Dissolved Solids	mg/L	03/16/17 - 08/07/23	28	0	CI around mean	542	3,260	Background	No Exceedance
MW-152	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-152	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.001	0.0104	Background	No Exceedance
MW-152	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.033	2.0	Standard	No Exceedance
MW-152	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-152	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	9.09	2.16	Background	Exceedance
MW-152	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-152	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	37	1,370	Background	No Exceedance
MW-152	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0037	0.1	Standard	No Exceedance
MW-152	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0012	0.006	Standard	No Exceedance
MW-152	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.39	4.0	Standard	No Exceedance
MW-152	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.002	0.0075	Standard	No Exceedance
MW-152	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	3	33	Most recent sample	0.0117	0.140	Background	No Exceedance
MW-152	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-152	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	pH (field)	SU	03/22/16 - 08/04/23	31	0	CI around geomean	6.8/7.0	6.5/11.1	Standard/Background	No Exceedance
MW-152	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	3	0	Most recent sample	1.31	5	Standard	No Exceedance
MW-152	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-152	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	732	762	Background	No Exceedance
MW-152	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-152	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	31	0	CB around linear reg	511	3,260	Background	No Exceedance
MW-153	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.0104	Background	No Exceedance
MW-153	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around median (Last Sample, n<7)	0.0357	2.0	Standard	No Exceedance
MW-153	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
MW-153	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	4	60	CI around median (Last Sample, n<7)	0.0357	2.16	Background	No Exceedance
MW-153	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-153	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	14.1	1,370	Background	No Exceedance
MW-153	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
MW-153	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.322	4.0	Standard	No Exceedance
MW-153	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0075	Standard	No Exceedance
MW-153	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	4	25	CI around mean	0.00224	0.140	Background	No Exceedance
MW-153	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-153	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-153	PMP	E002	pH (field)	SU	03/22/16 - 08/04/23	32	0	CI around median	7.0/7.2	6.5/11.1	Standard/Background	No Exceedance
MW-153	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	4	0	CI around mean	-0.989	5	Standard	No Exceedance
MW-153	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.00185	0.05	Standard	No Exceedance
MW-153	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	52.7	762	Background	No Exceedance
MW-153	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-153	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	32	0	CI around median	364	3,260	Background	No Exceedance
MW-252	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.0012	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0011	0.0104	Background	No Exceedance
MW-252	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.0359	2.0	Standard	No Exceedance
MW-252	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-252	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.143	2.16	Background	No Exceedance
MW-252	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-252	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	37	1,370	Background	No Exceedance
MW-252	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0049	0.1	Standard	No Exceedance
MW-252	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	3	33	Most recent sample	0.0019	0.006	Standard	No Exceedance
MW-252	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.24	4.0	Standard	No Exceedance
MW-252	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0018	0.0075	Standard	No Exceedance
MW-252	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.0151	0.140	Background	No Exceedance
MW-252	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-252	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-252	PMP	E002	pH (field)	SU	03/22/16 - 08/04/23	31	0	CI around median	6.8/7.0	6.5/11.1	Standard/Background	No Exceedance
MW-252	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	3	0	Most recent sample	2.63	5	Standard	No Exceedance
MW-252	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-252	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	448	762	Background	No Exceedance
MW-252	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-252	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	31	0	CB around linear reg	1,120	3,260	Background	No Exceedance
MW-253	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-253	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.0104	Background	No Exceedance
MW-253	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.0562	2.0	Standard	No Exceedance
MW-253	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-253	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	2	33	Most recent sample	0.0698	2.16	Background	No Exceedance
MW-253	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-253	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	21	1,370	Background	No Exceedance
MW-253	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	2	50	Most recent sample	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-253	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.23	4.0	Standard	No Exceedance
MW-253	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-253	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.0286	0.140	Background	No Exceedance
MW-253	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-253	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.0069	0.1	Standard	No Exceedance
MW-253	PMP	E002	pH (field)	SU	03/22/16 - 08/04/23	30	0	CI around median	11.3/11.8	6.5/11.1	Standard/Background	Exceedance
MW-253	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.645	5	Standard	No Exceedance
MW-253	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-253	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	154	762	Background	No Exceedance
MW-253	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-253	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	30	0	CI around mean	448	3,260	Background	No Exceedance
MW-350	UA	E002	Antimony, total	mg/L	03/26/20 - 08/07/23	9	11	CI around mean	0.000845	0.006	Standard	No Exceedance
MW-350	UA	E002	Arsenic, total	mg/L	03/26/20 - 08/07/23	9	89	CI around median	0.001	0.0104	Background	No Exceedance
MW-350	UA	E002	Barium, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	0.188	2.0	Standard	No Exceedance
MW-350	UA	E002	Beryllium, total	mg/L	03/26/20 - 08/07/23	7	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-350	UA	E002	Boron, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	0.543	2.16	Background	No Exceedance
MW-350	UA	E002	Cadmium, total	mg/L	03/26/20 - 08/07/23	7	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-350	UA	E002	Chloride, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	40.8	1,370	Background	No Exceedance
MW-350	UA	E002	Chromium, total	mg/L	03/26/20 - 08/07/23	9	67	CI around median	0.0015	0.1	Standard	No Exceedance
MW-350	UA	E002	Cobalt, total	mg/L	03/26/20 - 08/07/23	9	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-350	UA	E002	Fluoride, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	0.138	4.0	Standard	No Exceedance
MW-350	UA	E002	Lead, total	mg/L	03/26/20 - 08/07/23	9	56	CI around median	0.001	0.0075	Standard	No Exceedance
MW-350	UA	E002	Lithium, total	mg/L	06/25/19 - 08/07/23	11	0	CI around mean	0.0733	0.140	Background	No Exceedance
MW-350	UA	E002	Mercury, total	mg/L	03/26/20 - 08/07/23	7	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-350	UA	E002	Molybdenum, total	mg/L	03/26/20 - 08/07/23	9	11	CI around mean	0.00263	0.1	Standard	No Exceedance
MW-350	UA	E002	pH (field)	SU	03/22/16 - 08/07/23	34	0	CB around T-S line	10.1/11.0	6.5/11.1	Standard/Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Radium 226 + Radium 228, total	pCi/L	03/26/20 - 08/07/23	9	0	CI around mean	0.891	5	Standard	No Exceedance
MW-350	UA	E002	Selenium, total	mg/L	03/26/20 - 08/07/23	9	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-350	UA	E002	Sulfate, total	mg/L	03/26/20 - 08/07/23	9	10	CI around mean	67	762	Background	No Exceedance
MW-350	UA	E002	Thallium, total	mg/L	03/26/20 - 08/07/23	9	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-350	UA	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/07/23	32	0	CB around linear reg	157	3,260	Background	No Exceedance
MW-352	UA	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-352	UA	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.0104	Background	No Exceedance
MW-352	UA	E002	Barium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.0833	2.0	Standard	No Exceedance
MW-352	UA	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-352	UA	E002	Boron, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	1.69	2.16	Background	No Exceedance
MW-352	UA	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-352	UA	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	510	1,370	Background	No Exceedance
MW-352	UA	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-352	UA	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-352	UA	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	1.19	4.0	Standard	No Exceedance
MW-352	UA	E002	Lead, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-352	UA	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.08	0.140	Background	No Exceedance
MW-352	UA	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-352	UA	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-352	UA	E002	pH (field)	SU	03/22/16 - 08/04/23	32	0	CB around T-S line	7.3/7.5	6.5/11.1	Standard/Background	No Exceedance
MW-352	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	4	0	CI around mean	0.586	5	Standard	No Exceedance
MW-352	UA	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-352	UA	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	10	762	Background	No Exceedance
MW-352	UA	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-352	UA	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	32	0	CI around median	1,120	3,260	Background	No Exceedance
MW-366	UA	E002	Antimony, total	mg/L	01/20/16 - 08/04/23	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-366	UA	E002	Arsenic, total	mg/L	01/20/16 - 08/04/23	21	95	CI around median	0.001	0.0104	Background	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Barium, total	mg/L	01/20/16 - 08/04/23	21	0	CB around linear reg	0.0193	2.0	Standard	No Exceedance
MW-366	UA	E002	Beryllium, total	mg/L	01/20/16 - 08/04/23	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-366	UA	E002	Boron, total	mg/L	01/20/16 - 08/04/23	22	0	CI around geomean	1.5	2.16	Background	No Exceedance
MW-366	UA	E002	Cadmium, total	mg/L	01/20/16 - 08/04/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-366	UA	E002	Chloride, total	mg/L	01/20/16 - 08/04/23	22	0	CB around linear reg	47.7	1,370	Background	No Exceedance
MW-366	UA	E002	Chromium, total	mg/L	01/20/16 - 08/04/23	21	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-366	UA	E002	Cobalt, total	mg/L	01/20/16 - 08/04/23	19	79	CI around median	0.001	0.006	Standard	No Exceedance
MW-366	UA	E002	Fluoride, total	mg/L	01/20/16 - 08/04/23	22	0	CB around linear reg	0.103	4.0	Standard	No Exceedance
MW-366	UA	E002	Lead, total	mg/L	01/20/16 - 08/04/23	18	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-366	UA	E002	Lithium, total	mg/L	01/20/16 - 08/04/23	21	5	CB around linear reg	0.000761	0.140	Background	No Exceedance
MW-366	UA	E002	Mercury, total	mg/L	01/20/16 - 08/04/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-366	UA	E002	Molybdenum, total	mg/L	01/20/16 - 08/04/23	21	5	CI around mean	0.0028	0.1	Standard	No Exceedance
MW-366	UA	E002	pH (field)	SU	01/20/16 - 08/04/23	22	0	CB around linear reg	6.6/7.0	6.5/11.1	Standard/Background	No Exceedance
MW-366	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 08/04/23	21	0	CI around geomean	0.431	5	Standard	No Exceedance
MW-366	UA	E002	Selenium, total	mg/L	01/20/16 - 08/04/23	21	95	CI around median	0.001	0.05	Standard	No Exceedance
MW-366	UA	E002	Sulfate, total	mg/L	01/20/16 - 08/04/23	22	0	CB around linear reg	550	762	Background	No Exceedance
MW-366	UA	E002	Thallium, total	mg/L	01/20/16 - 08/04/23	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-366	UA	E002	Total Dissolved Solids	mg/L	01/20/16 - 08/04/23	21	0	CB around linear reg	1,200	3,260	Background	No Exceedance
MW-375	UA	E002	Antimony, total	mg/L	01/20/16 - 08/07/23	21	24	CB around T-S line	-0.000161	0.006	Standard	No Exceedance
MW-375	UA	E002	Arsenic, total	mg/L	01/20/16 - 08/07/23	21	5	CI around median	0.0014	0.0104	Background	No Exceedance
MW-375	UA	E002	Barium, total	mg/L	01/20/16 - 08/07/23	21	0	CI around geomean	0.0247	2.0	Standard	No Exceedance
MW-375	UA	E002	Beryllium, total	mg/L	01/20/16 - 08/07/23	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-375	UA	E002	Boron, total	mg/L	01/20/16 - 08/07/23	22	0	CB around T-S line	1.45	2.16	Background	No Exceedance
MW-375	UA	E002	Cadmium, total	mg/L	01/20/16 - 08/07/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-375	UA	E002	Chloride, total	mg/L	01/20/16 - 08/07/23	22	0	CI around mean	91.6	1,370	Background	No Exceedance
MW-375	UA	E002	Chromium, total	mg/L	01/20/16 - 08/07/23	21	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-375	UA	E002	Cobalt, total	mg/L	01/20/16 - 08/07/23	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Fluoride, total	mg/L	01/20/16 - 08/07/23	22	0	CI around mean	2.22	4.0	Standard	No Exceedance
MW-375	UA	E002	Lead, total	mg/L	01/20/16 - 08/07/23	18	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-375	UA	E002	Lithium, total	mg/L	01/20/16 - 08/07/23	21	0	CB around linear reg	0.0701	0.140	Background	No Exceedance
MW-375	UA	E002	Mercury, total	mg/L	01/20/16 - 08/07/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-375	UA	E002	Molybdenum, total	mg/L	01/20/16 - 08/07/23	21	0	CI around mean	0.0247	0.1	Standard	No Exceedance
MW-375	UA	E002	pH (field)	SU	01/20/16 - 08/07/23	22	0	CI around median	7.7/7.8	6.5/11.1	Standard/Background	No Exceedance
MW-375	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 08/07/23	21	0	CI around median	0.248	5	Standard	No Exceedance
MW-375	UA	E002	Selenium, total	mg/L	01/20/16 - 08/07/23	21	90	CI around median	0.001	0.05	Standard	No Exceedance
MW-375	UA	E002	Sulfate, total	mg/L	01/20/16 - 08/07/23	22	0	CI around mean	116	762	Background	No Exceedance
MW-375	UA	E002	Thallium, total	mg/L	01/20/16 - 08/07/23	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-375	UA	E002	Total Dissolved Solids	mg/L	01/20/16 - 08/07/23	22	0	CI around median	904	3,260	Background	No Exceedance
MW-377	UA	E002	Antimony, total	mg/L	01/19/16 - 08/07/23	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-377	UA	E002	Arsenic, total	mg/L	01/19/16 - 08/07/23	21	81	CI around median	0.001	0.0104	Background	No Exceedance
MW-377	UA	E002	Barium, total	mg/L	01/19/16 - 08/07/23	21	0	CI around mean	0.0605	2.0	Standard	No Exceedance
MW-377	UA	E002	Beryllium, total	mg/L	01/19/16 - 08/07/23	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-377	UA	E002	Boron, total	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	1.67	2.16	Background	No Exceedance
MW-377	UA	E002	Cadmium, total	mg/L	01/19/16 - 08/07/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-377	UA	E002	Chloride, total	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	89.9	1,370	Background	No Exceedance
MW-377	UA	E002	Chromium, total	mg/L	01/19/16 - 08/07/23	21	95	CB around T-S line	0.00142	0.1	Standard	No Exceedance
MW-377	UA	E002	Cobalt, total	mg/L	01/19/16 - 08/07/23	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-377	UA	E002	Fluoride, total	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	1.11	4.0	Standard	No Exceedance
MW-377	UA	E002	Lead, total	mg/L	01/19/16 - 08/07/23	18	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-377	UA	E002	Lithium, total	mg/L	01/19/16 - 08/07/23	21	0	CB around linear reg	0.0573	0.140	Background	No Exceedance
MW-377	UA	E002	Mercury, total	mg/L	01/19/16 - 08/07/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-377	UA	E002	Molybdenum, total	mg/L	01/19/16 - 08/07/23	21	62	CI around median	0.0015	0.1	Standard	No Exceedance
MW-377	UA	E002	pH (field)	SU	01/19/16 - 08/07/23	22	0	CI around median	7.1/7.2	6.5/11.1	Standard/Background	No Exceedance
MW-377	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 08/07/23	21	0	CI around mean	0.352	5	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Selenium, total	mg/L	01/19/16 - 08/07/23	21	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-377	UA	E002	Sulfate, total	mg/L	01/19/16 - 08/07/23	22	0	CB around linear reg	35.2	762	Background	No Exceedance
MW-377	UA	E002	Thallium, total	mg/L	01/19/16 - 08/07/23	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-377	UA	E002	Total Dissolved Solids	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	598	3,260	Background	No Exceedance
MW-383	UA	E002	Antimony, total	mg/L	01/21/16 - 08/03/23	21	86	CB around T-S line	0.000686	0.006	Standard	No Exceedance
MW-383	UA	E002	Arsenic, total	mg/L	01/21/16 - 08/03/23	21	76	CI around median	0.001	0.0104	Background	No Exceedance
MW-383	UA	E002	Barium, total	mg/L	01/21/16 - 08/03/23	21	0	CB around T-S line	0.0441	2.0	Standard	No Exceedance
MW-383	UA	E002	Beryllium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-383	UA	E002	Boron, total	mg/L	01/21/16 - 08/03/23	22	0	CI around median	1.33	2.16	Background	No Exceedance
MW-383	UA	E002	Cadmium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-383	UA	E002	Chloride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around T-S line	40	1,370	Background	No Exceedance
MW-383	UA	E002	Chromium, total	mg/L	01/21/16 - 08/03/23	21	95	CB around T-S line	0.00142	0.1	Standard	No Exceedance
MW-383	UA	E002	Cobalt, total	mg/L	01/21/16 - 08/03/23	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-383	UA	E002	Fluoride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	0.637	4.0	Standard	No Exceedance
MW-383	UA	E002	Lead, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-383	UA	E002	Lithium, total	mg/L	01/21/16 - 08/03/23	21	0	CI around mean	0.033	0.140	Background	No Exceedance
MW-383	UA	E002	Mercury, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-383	UA	E002	Molybdenum, total	mg/L	01/21/16 - 08/03/23	21	0	CI around geomean	0.0103	0.1	Standard	No Exceedance
MW-383	UA	E002	pH (field)	SU	01/21/16 - 08/03/23	22	0	CB around linear reg	7.4/7.6	6.5/11.1	Standard/Background	No Exceedance
MW-383	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 08/03/23	21	0	CI around mean	0.343	5	Standard	No Exceedance
MW-383	UA	E002	Selenium, total	mg/L	01/21/16 - 08/03/23	21	95	CI around median	0.001	0.05	Standard	No Exceedance
MW-383	UA	E002	Sulfate, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	148	762	Background	No Exceedance
MW-383	UA	E002	Thallium, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-383	UA	E002	Total Dissolved Solids	mg/L	01/21/16 - 08/03/23	22	0	CI around mean	873	3,260	Background	No Exceedance
MW-384	UA	E002	Antimony, total	mg/L	01/21/16 - 08/03/23	21	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-384	UA	E002	Arsenic, total	mg/L	01/21/16 - 08/03/23	21	100	All ND - Last	0.001	0.0104	Background	No Exceedance
MW-384	UA	E002	Barium, total	mg/L	01/21/16 - 08/03/23	21	0	CB around linear reg	0.0384	2.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Beryllium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-384	UA	E002	Boron, total	mg/L	01/21/16 - 08/03/23	22	0	CI around median	1.41	2.16	Background	No Exceedance
MW-384	UA	E002	Cadmium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-384	UA	E002	Chloride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	459	1,370	Background	No Exceedance
MW-384	UA	E002	Chromium, total	mg/L	01/21/16 - 08/03/23	21	95	CB around T-S line	0.00142	0.1	Standard	No Exceedance
MW-384	UA	E002	Cobalt, total	mg/L	01/21/16 - 08/03/23	19	100	All ND - Last	0.001	0.006	Standard	No Exceedance
MW-384	UA	E002	Fluoride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	3.6	4.0	Standard	No Exceedance
MW-384	UA	E002	Lead, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-384	UA	E002	Lithium, total	mg/L	01/21/16 - 08/03/23	21	0	CI around mean	0.0386	0.140	Background	No Exceedance
MW-384	UA	E002	Mercury, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-384	UA	E002	Molybdenum, total	mg/L	01/21/16 - 08/03/23	21	0	CB around linear reg	0.0204	0.1	Standard	No Exceedance
MW-384	UA	E002	pH (field)	SU	01/21/16 - 08/03/23	22	0	CI around median	7.8/8.0	6.5/11.1	Standard/Background	No Exceedance
MW-384	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 08/03/23	21	0	CI around geomean	0.346	5	Standard	No Exceedance
MW-384	UA	E002	Selenium, total	mg/L	01/21/16 - 08/03/23	21	100	All ND - Last	0.001	0.05	Standard	No Exceedance
MW-384	UA	E002	Sulfate, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	-1.13	762	Background	No Exceedance
MW-384	UA	E002	Thallium, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-384	UA	E002	Total Dissolved Solids	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	1,440	3,260	Background	No Exceedance
MW-390	UA	E002	Antimony, total	mg/L	03/22/16 - 08/04/23	21	95	CI around median	0.001	0.006	Standard	No Exceedance
MW-390	UA	E002	Arsenic, total	mg/L	03/22/16 - 08/04/23	21	10	CI around geomean	0.00123	0.0104	Background	No Exceedance
MW-390	UA	E002	Barium, total	mg/L	03/22/16 - 08/04/23	21	0	CI around mean	0.0458	2.0	Standard	No Exceedance
MW-390	UA	E002	Beryllium, total	mg/L	03/22/16 - 08/04/23	16	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-390	UA	E002	Boron, total	mg/L	03/22/16 - 08/04/23	22	0	CB around linear reg	-0.635	2.16	Background	No Exceedance
MW-390	UA	E002	Cadmium, total	mg/L	03/22/16 - 08/04/23	16	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-390	UA	E002	Chloride, total	mg/L	03/22/16 - 08/04/23	22	0	CI around mean	64.5	1,370	Background	No Exceedance
MW-390	UA	E002	Chromium, total	mg/L	03/22/16 - 08/04/23	21	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
MW-390	UA	E002	Cobalt, total	mg/L	03/22/16 - 08/04/23	19	68	CB around T-S line	3.64e-07	0.006	Standard	No Exceedance
MW-390	UA	E002	Fluoride, total	mg/L	03/22/16 - 08/04/23	22	0	CB around linear reg	0.269	4.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Lead, total	mg/L	03/22/16 - 08/04/23	18	94	CI around median	0.001	0.0075	Standard	No Exceedance
MW-390	UA	E002	Lithium, total	mg/L	03/22/16 - 08/04/23	21	5	CI around mean	0.0196	0.140	Background	No Exceedance
MW-390	UA	E002	Mercury, total	mg/L	03/22/16 - 08/04/23	16	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-390	UA	E002	Molybdenum, total	mg/L	03/22/16 - 08/04/23	21	5	CI around geomean	0.00313	0.1	Standard	No Exceedance
MW-390	UA	E002	pH (field)	SU	03/22/16 - 08/04/23	22	0	CB around linear reg	6.7/7.2	6.5/11.1	Standard/Background	No Exceedance
MW-390	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 08/04/23	21	0	CI around mean	0.655	5	Standard	No Exceedance
MW-390	UA	E002	Selenium, total	mg/L	03/22/16 - 08/04/23	21	90	CI around median	0.001	0.05	Standard	No Exceedance
MW-390	UA	E002	Sulfate, total	mg/L	03/22/16 - 08/04/23	22	0	CI around mean	137	762	Background	No Exceedance
MW-390	UA	E002	Thallium, total	mg/L	03/22/16 - 08/04/23	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
MW-390	UA	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	22	0	CI around mean	679	3,260	Background	No Exceedance
MW-391	UA	E002	Antimony, total	mg/L	12/22/16 - 08/04/23	16	0	CI around geomean	0.00151	0.006	Standard	No Exceedance
MW-391	UA	E002	Arsenic, total	mg/L	12/22/16 - 08/04/23	16	6	CB around linear reg	0.00266	0.0104	Background	No Exceedance
MW-391	UA	E002	Barium, total	mg/L	12/22/16 - 08/04/23	16	0	CB around linear reg	0.00953	2.0	Standard	No Exceedance
MW-391	UA	E002	Beryllium, total	mg/L	12/22/16 - 08/04/23	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
MW-391	UA	E002	Boron, total	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	2.41	2.16	Background	Exceedance
MW-391	UA	E002	Cadmium, total	mg/L	12/22/16 - 08/04/23	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
MW-391	UA	E002	Chloride, total	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	152	1,370	Background	No Exceedance
MW-391	UA	E002	Chromium, total	mg/L	12/22/16 - 08/04/23	16	81	CB around T-S line	0.0015	0.1	Standard	No Exceedance
MW-391	UA	E002	Cobalt, total	mg/L	12/22/16 - 08/04/23	14	93	CI around median	0.001	0.006	Standard	No Exceedance
MW-391	UA	E002	Fluoride, total	mg/L	12/22/16 - 08/04/23	16	0	CB around linear reg	2.9	4.0	Standard	No Exceedance
MW-391	UA	E002	Lead, total	mg/L	12/22/16 - 08/04/23	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
MW-391	UA	E002	Lithium, total	mg/L	12/22/16 - 08/04/23	17	0	CI around mean	0.0703	0.140	Background	No Exceedance
MW-391	UA	E002	Mercury, total	mg/L	12/22/16 - 08/04/23	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
MW-391	UA	E002	Molybdenum, total	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	0.0384	0.1	Standard	No Exceedance
MW-391	UA	E002	pH (field)	SU	12/22/16 - 08/04/23	17	0	CB around linear reg	7.7/8.1	6.5/11.1	Standard/Background	No Exceedance
MW-391	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 08/04/23	16	0	CI around mean	0.75	5	Standard	No Exceedance
MW-391	UA	E002	Selenium, total	mg/L	12/22/16 - 08/04/23	16	0	CI around geomean	0.00178	0.05	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2023
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	E002	Sulfate, total	mg/L	12/22/16 - 08/04/23	16	0	CB around linear reg	77.5	762	Background	No Exceedance
MW-391	UA	E002	Thallium, total	mg/L	12/22/16 - 08/04/23	14	93	CI around median	0.001	0.002	Standard	No Exceedance
MW-391	UA	E002	Total Dissolved Solids	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	1,970	3,260	Background	No Exceedance

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
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

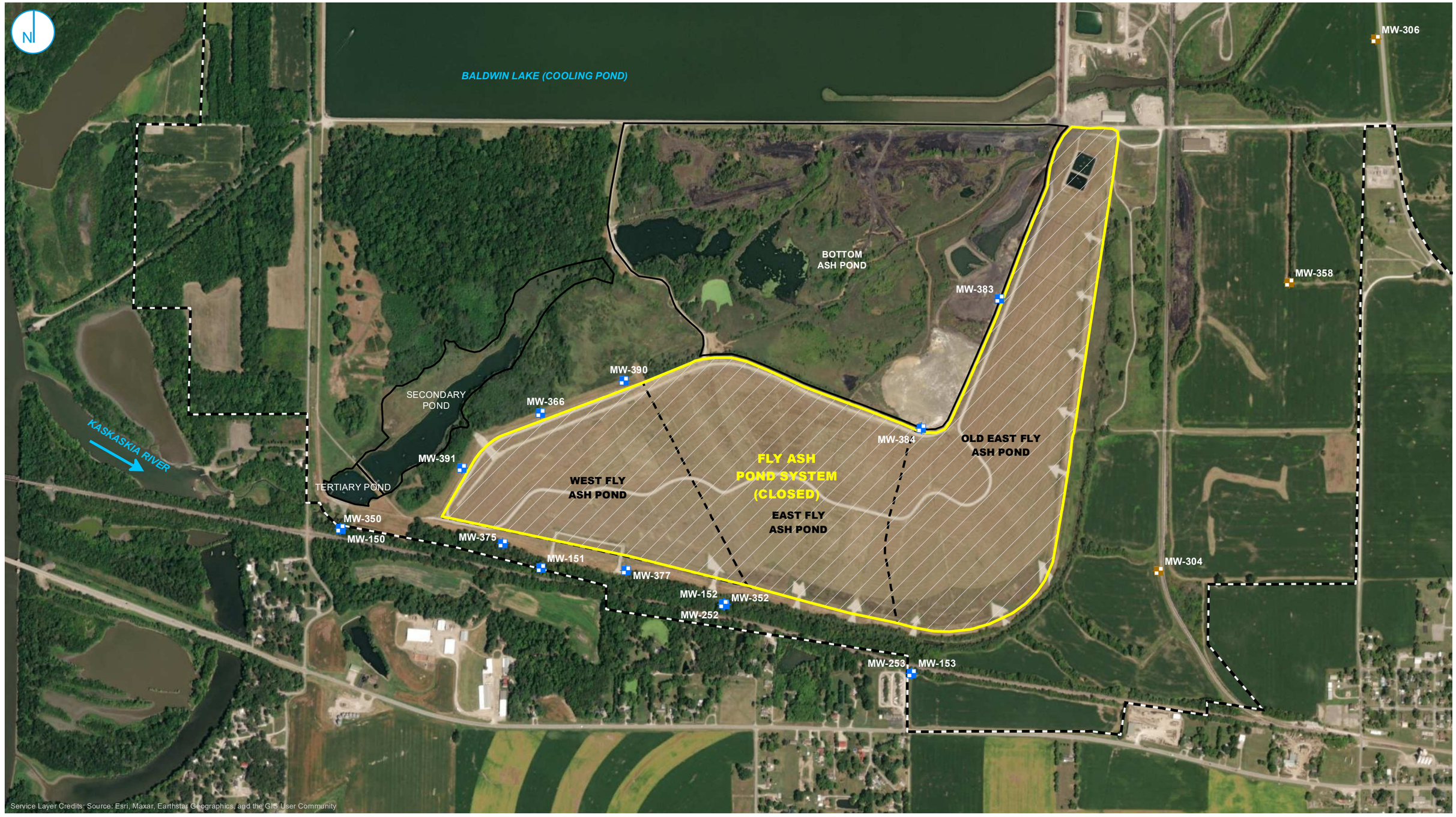
Most recent sample = Result for the most recently collected sample used due to insufficient data

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)

FIGURES



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

0 400 800 Feet

MONITORING WELL LOCATION MAP

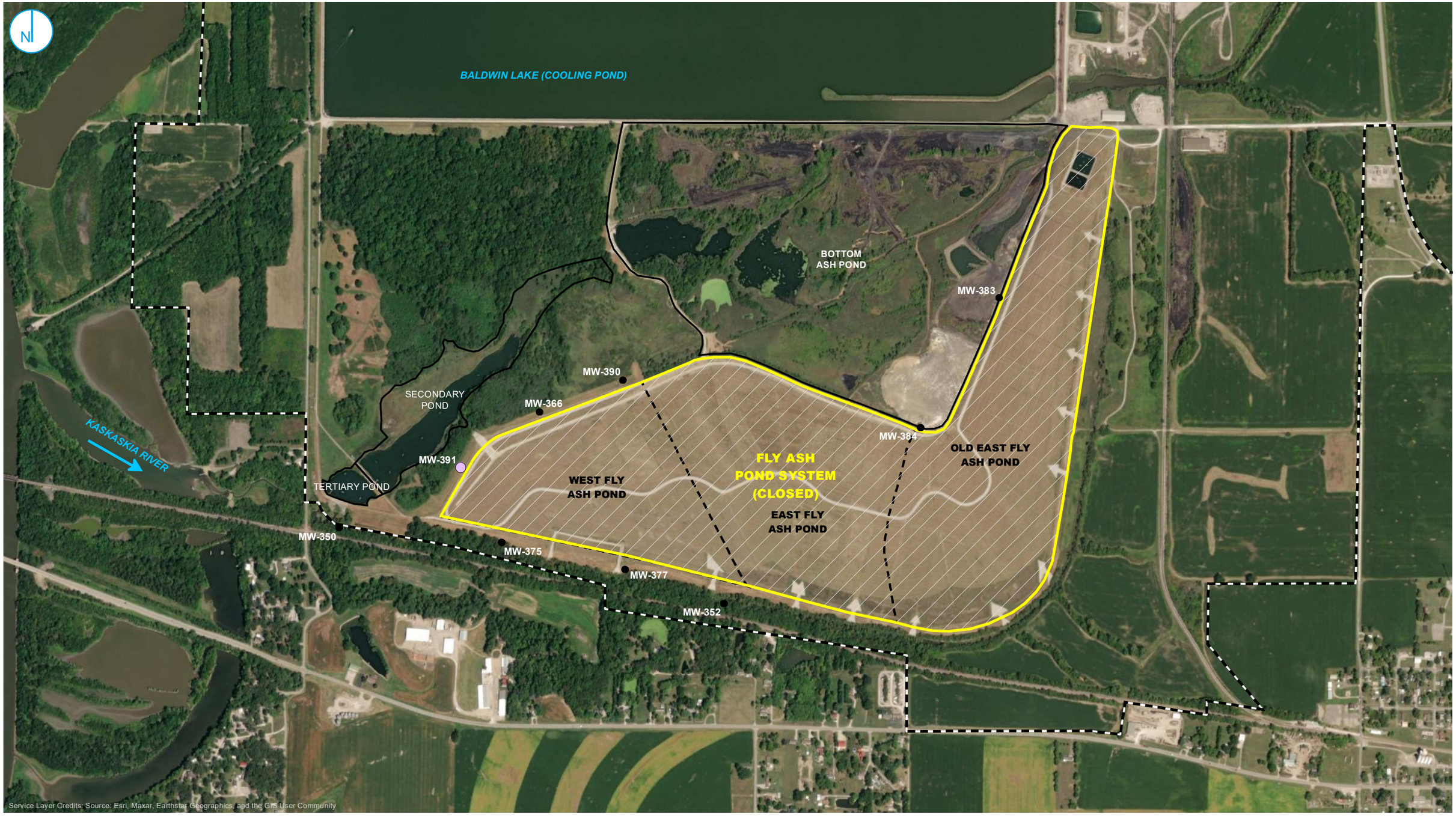
2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\22\22885\MXD\845_Operating_Permit\BaldwinFAPS\GMP\Figure 2-2_BAL FAPS Expanded Monitoring Well Network.mxd
PROJECT: 169000XXXX | DATED: 7/31/2023 | DESIGNER: GALARNMC



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

0 400 800 Feet

GWPS EXCEEDANCE MAP
UPPERMOST AQUIFER - QUARTERS 2-3, 2023

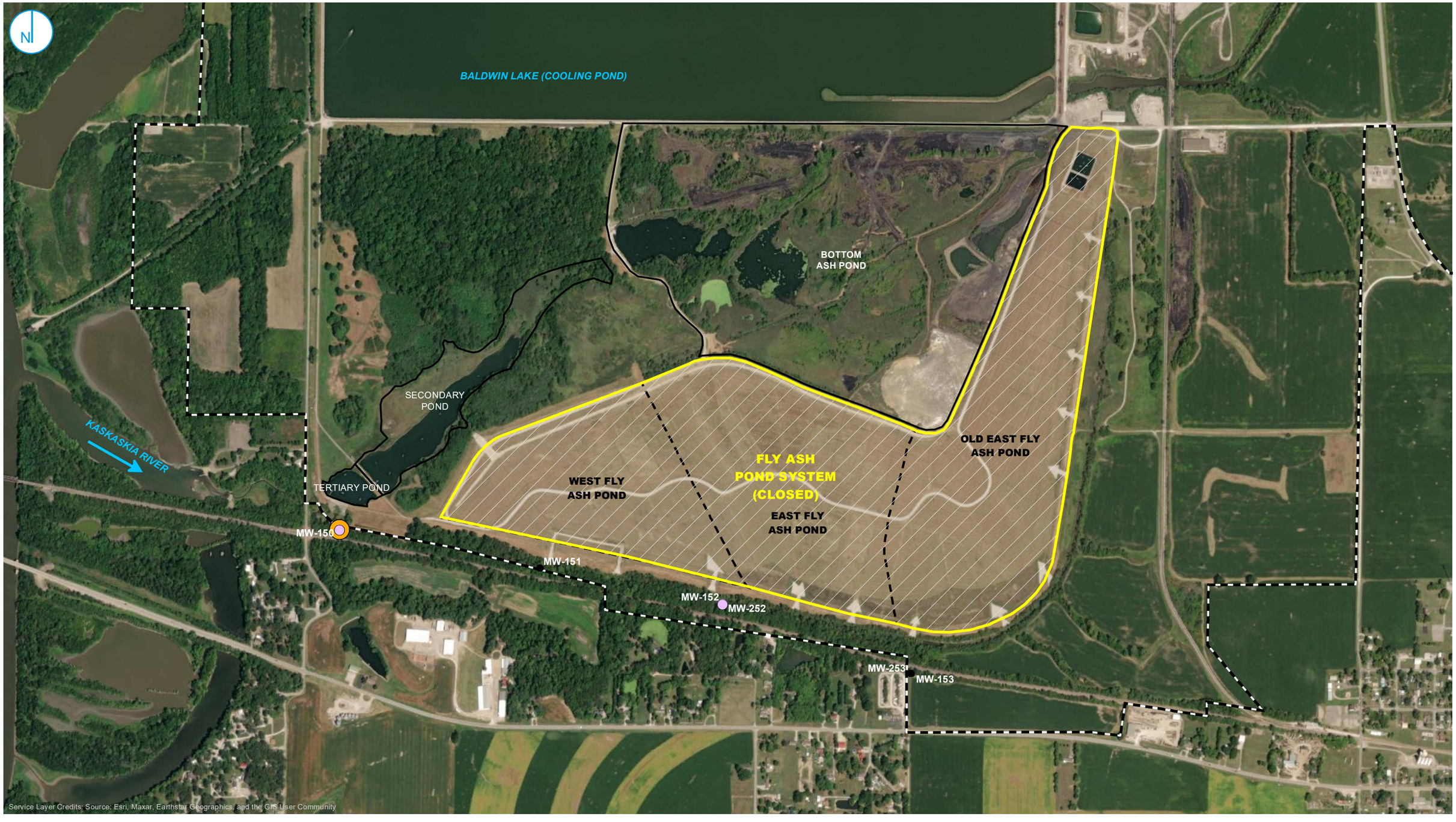
2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL



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

0 400 800 Feet

GWPS EXCEEDANCE MAP
UPPER UNIT - QUARTERS 2-3, 2023

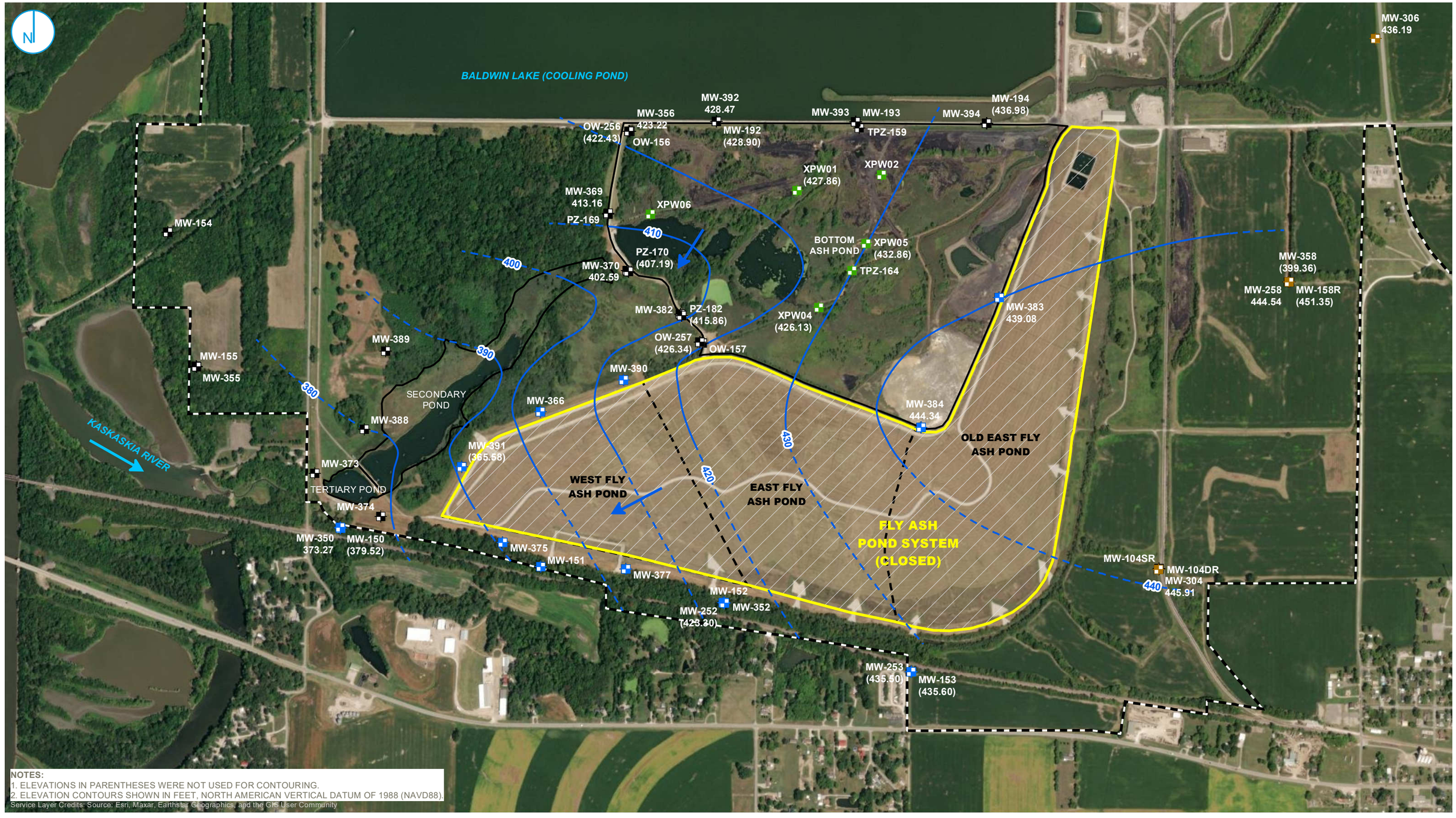
2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 3

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: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

- 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
- PROPERTY BOUNDARY

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP
APRIL 16, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

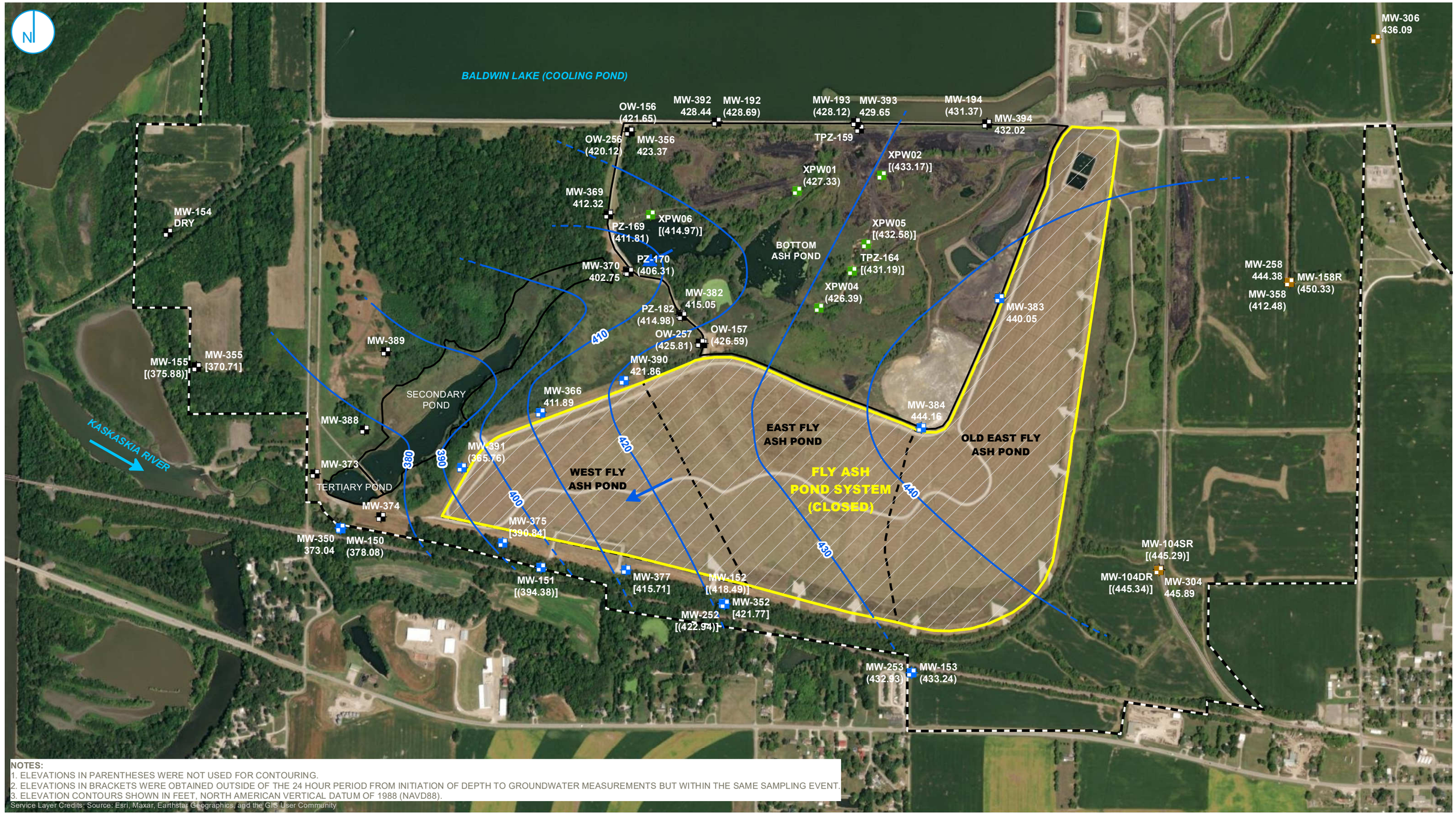
FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/8/2024 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20230416.mxd



NOTES:
1. ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
2. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.
3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

- 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 MAY 15-17, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

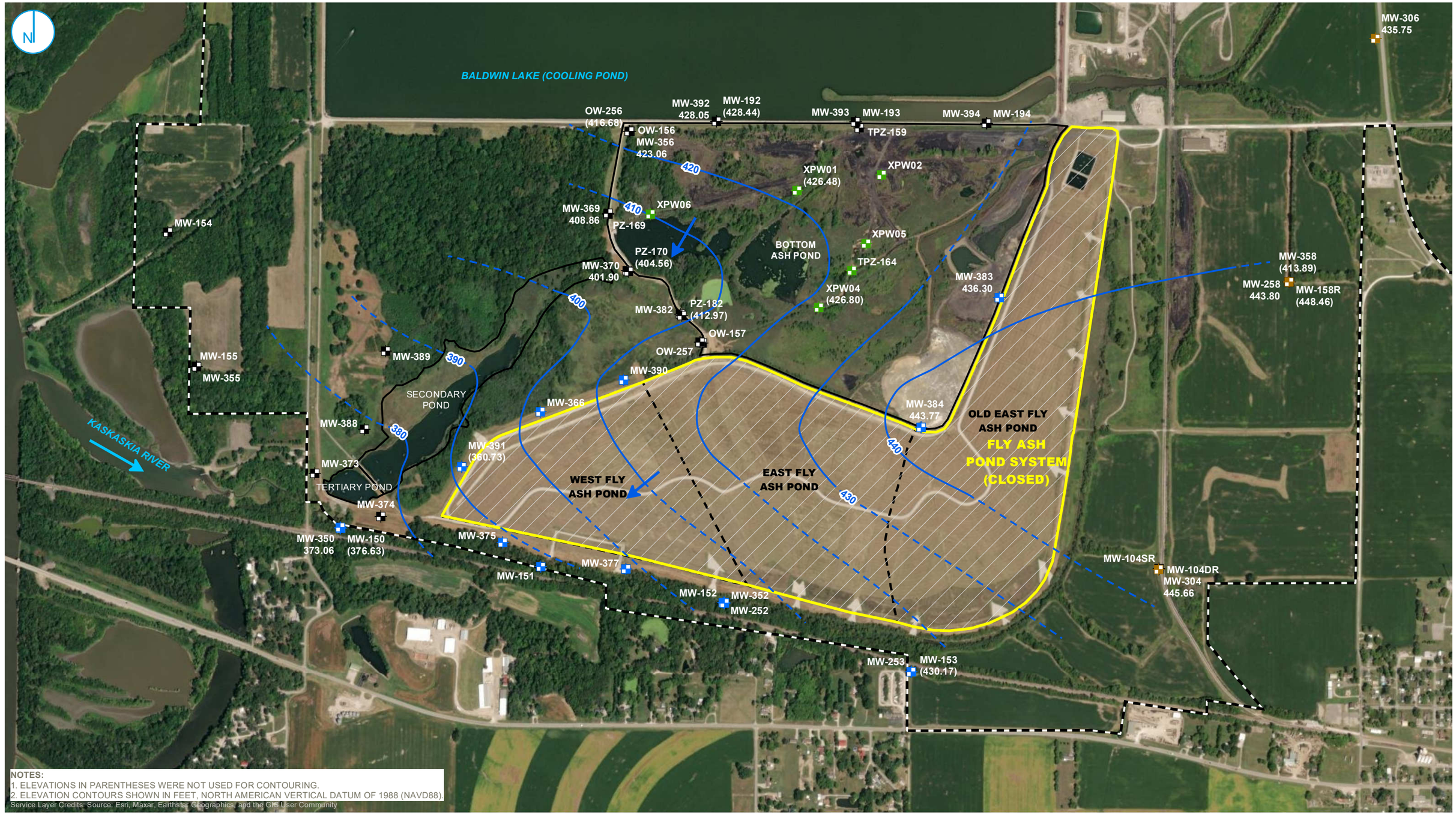
FIGURE 5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 10/31/2023 | DESIGNER: GALARNMC

Y:\Mapping\Projects\2202285\MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20230516.mxd



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: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECT: 1690000XXXX | DATED: 12/27/2023 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20230616.mxd

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

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP
JUNE 16, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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

- 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
- PROPERTY BOUNDARY

0 400 800 Feet

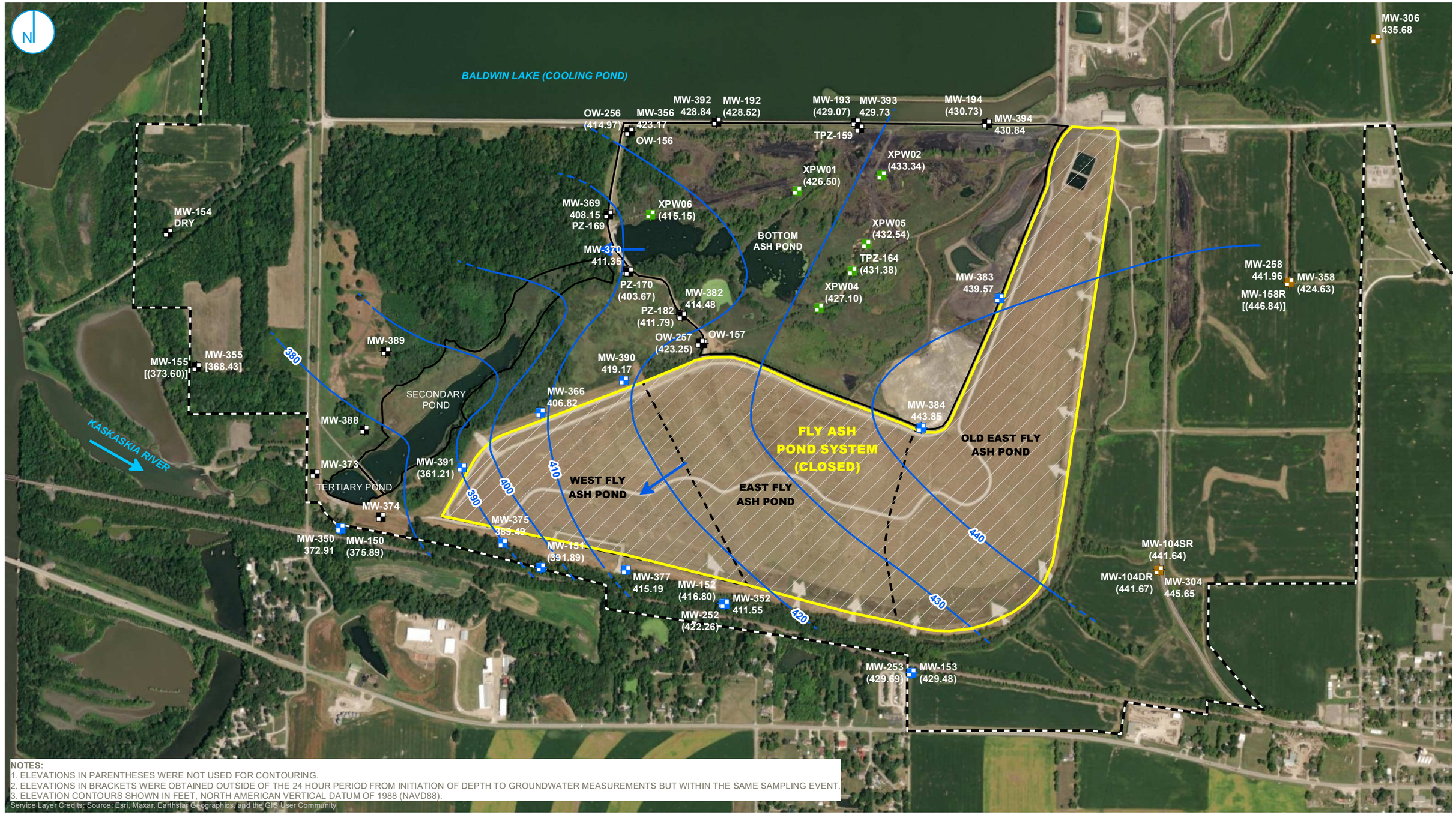
POTENTIOMETRIC SURFACE MAP JULY 16, 2023

2023 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. ELEVATIONS IN BRACKETS WERE OBTAINED OUTSIDE OF THE 24 HOUR PERIOD FROM INITIATION OF DEPTH TO GROUNDWATER MEASUREMENTS BUT WITHIN THE SAME SAMPLING EVENT.
3. ELEVATION CONTOURS SHOWN IN FEET, NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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

0 400 800 Feet

POTENTIOMETRIC SURFACE MAP AUGUST 2-3, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

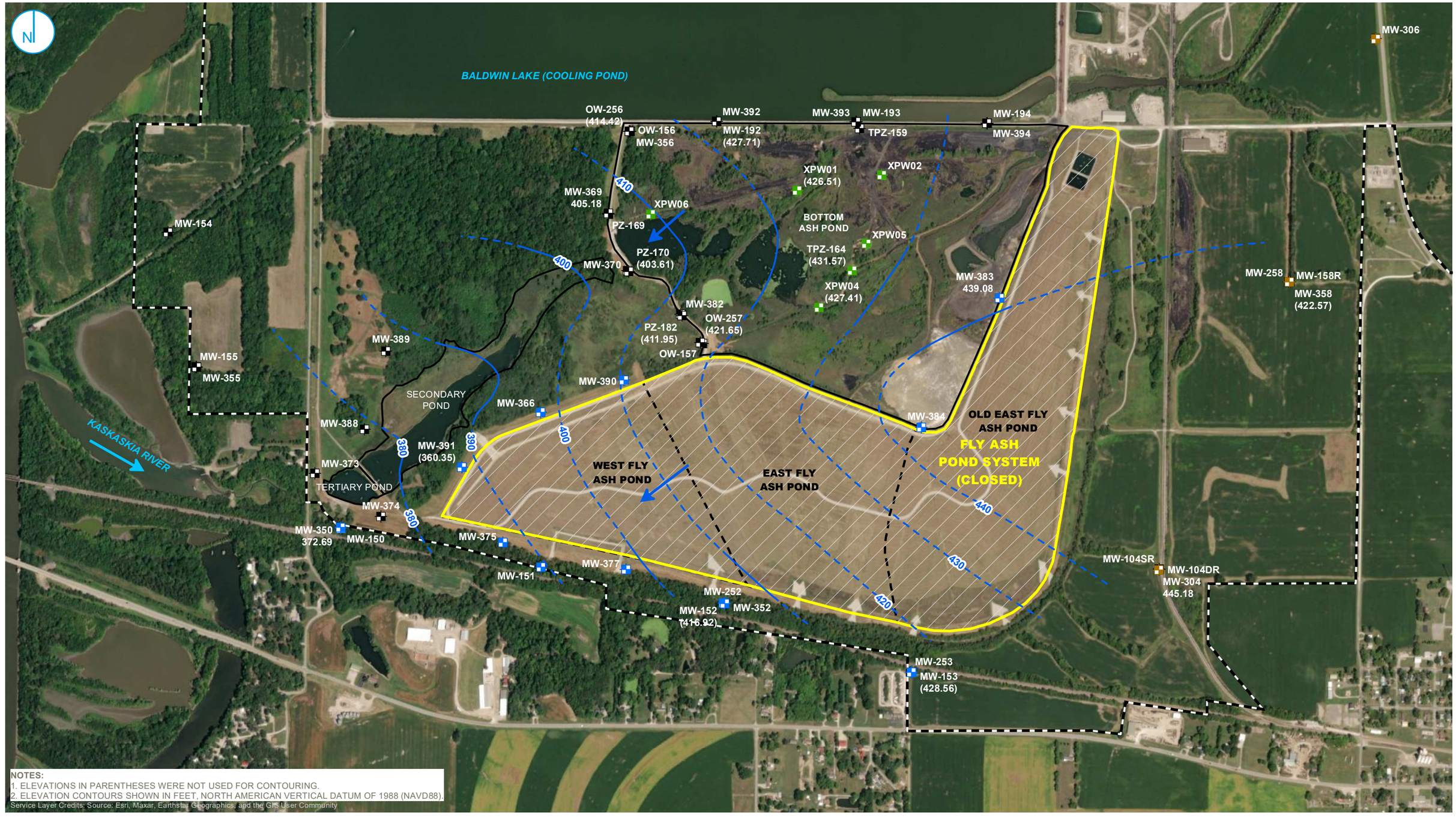
FIGURE 8

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

Y:\Mapping\Projects\2202285\MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20230802.mxd

PROJECT: 169000XXXX | DATED: 12/19/2023 | 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: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECT: 169000XXXX | DATED: 1/24/2024 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\22285\MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20230930.mxd

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- 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

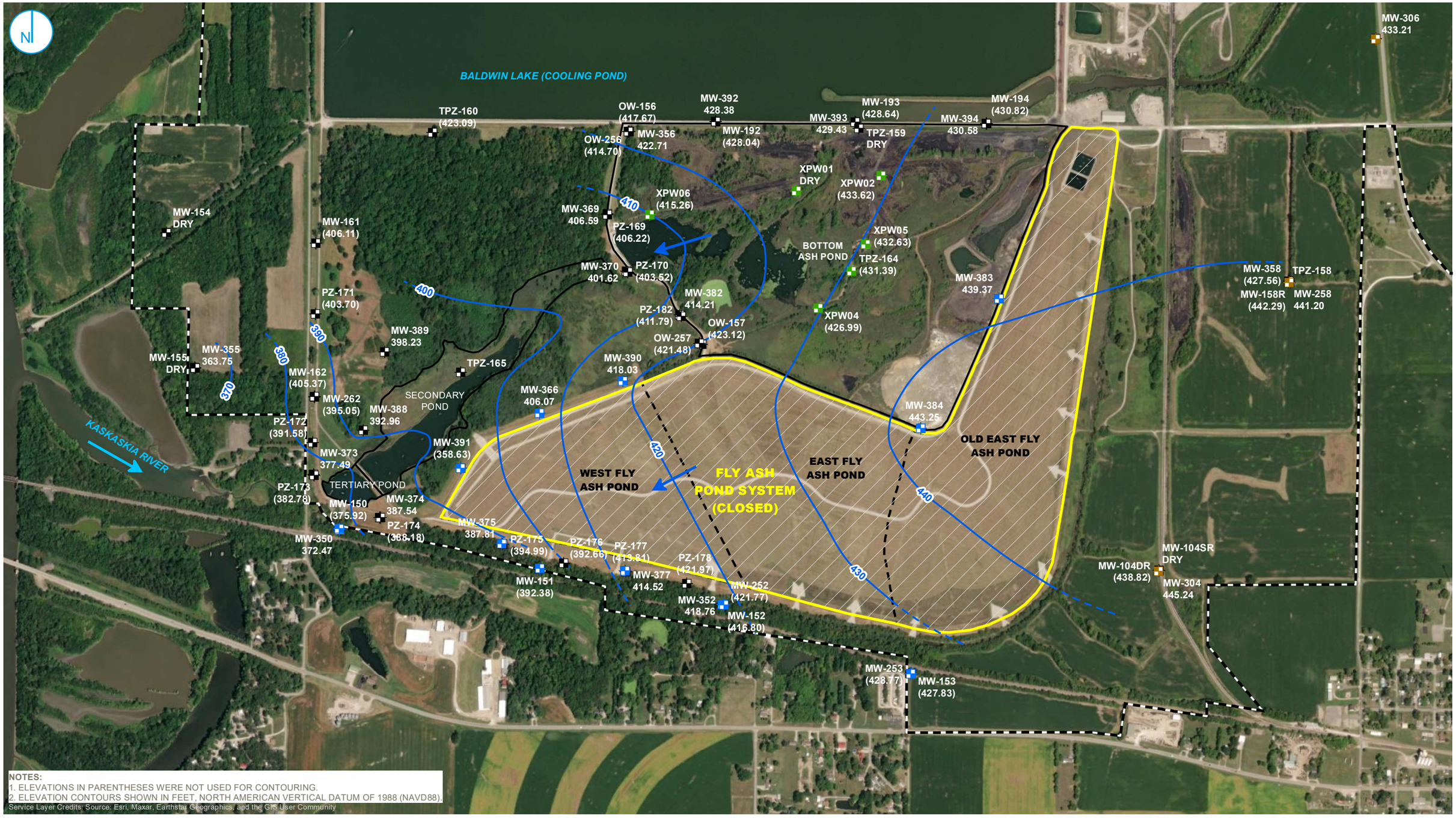
POTENTIOMETRIC SURFACE MAP SEPTEMBER 30, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 9

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: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

- COMPLIANCE MONITORING WELL
- BACKGROUND MONITORING WELL
- PORE WATER WELL
- 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 30, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

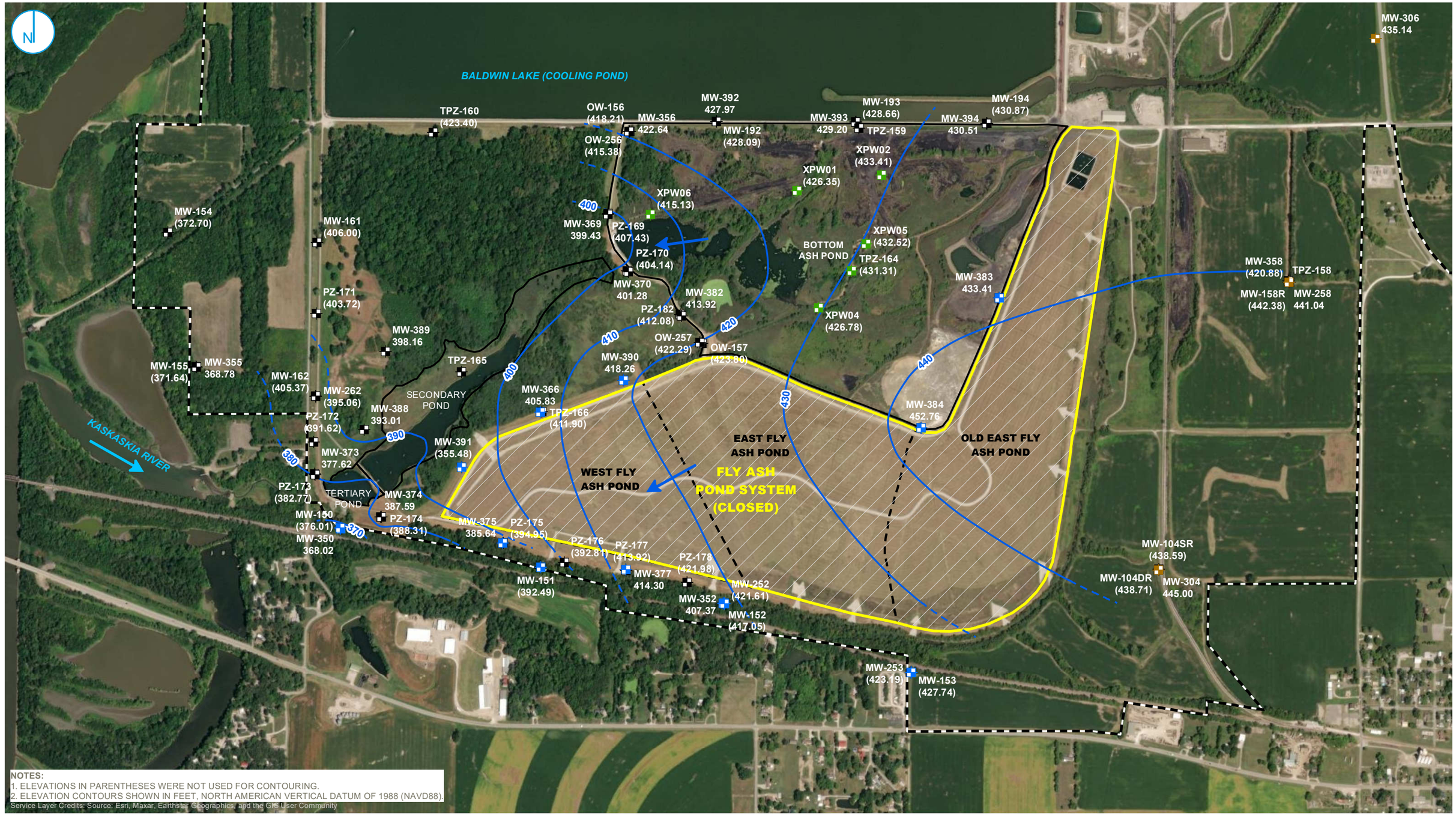
FIGURE 10

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 12/21/2023 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22122851MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20231030.mxd



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: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

- COMPLIANCE MONITORING WELL
- BACKGROUND 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 NOVEMBER 6-7, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

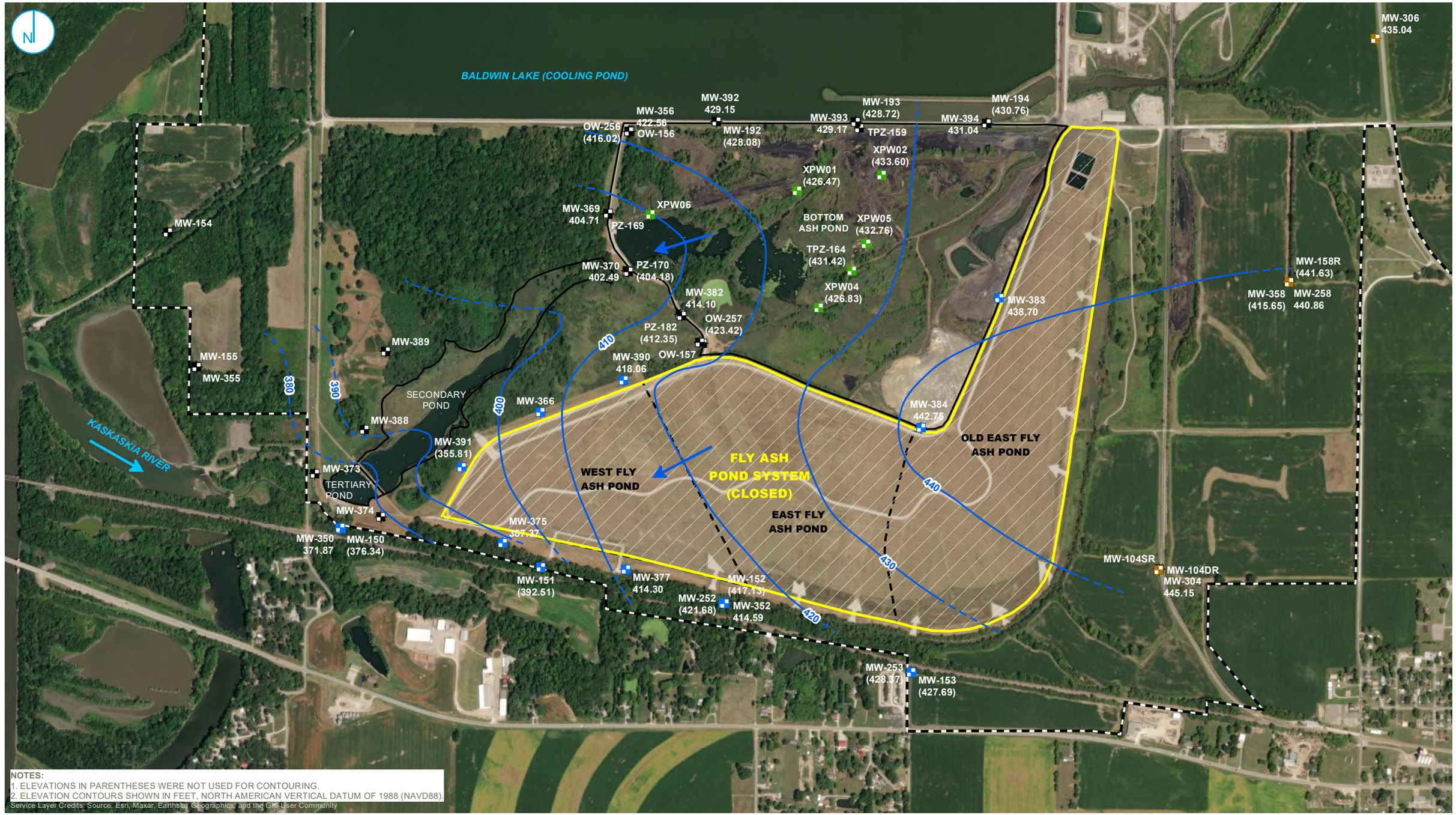
FIGURE 11

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 1690000XXXX | DATED: 1/8/2024 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\2285\MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20231106.mxd



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: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

- 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 DECEMBER 13, 2023

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
FLY ASH POND SYSTEM
BALDWIN POWER PLANT
BALDWIN, ILLINOIS

FIGURE 12

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

PROJECT: 169000XXXX | DATED: 1/8/2024 | DESIGNER: GALARNMC

Y:\Mapping\Projects\22\22885\MXD\GW_Contours\Round_2023\Baldwin\FAPS_605\BAL 605 FAPS Pot Surface 20231213.mxd

ATTACHMENTS

ATTACHMENT A
GROUNDWATER ELEVATION DATA

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2023 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	04/16/2023	17.02	379.52
MW-150	Compliance	PMP	05/16/2023	18.46	378.08
MW-150	Compliance	PMP	06/16/2023	19.91	376.63
MW-150	Compliance	PMP	07/16/2023	20.56	375.98
MW-150	Compliance	PMP	08/03/2023	20.65	375.89
MW-150	Compliance	PMP	10/30/2023	20.62	375.92
MW-150	Compliance	PMP	11/06/2023	20.53	376.01
MW-150	Compliance	PMP	12/13/2023	20.20	376.34
MW-151	Compliance	PMP	05/18/2023	[5.58]	[394.38]
MW-151	Compliance	PMP	07/10/2023	5.78	394.18
MW-151	Compliance	PMP	08/02/2023	8.07	391.89
MW-151	Compliance	PMP	10/30/2023	7.58	392.38
MW-151	Compliance	PMP	11/07/2023	7.47	392.49
MW-151	Compliance	PMP	12/13/2023	7.45	392.51
MW-152	Compliance	PMP	05/18/2023	[6.50]	[418.49]
MW-152	Compliance	PMP	08/02/2023	8.19	416.80
MW-152	Compliance	PMP	09/30/2023	8.06	416.92
MW-152	Compliance	PMP	10/30/2023	8.19	416.80
MW-152	Compliance	PMP	11/06/2023	7.94	417.05
MW-152	Compliance	PMP	12/13/2023	7.86	417.13
MW-153	Compliance	PMP	04/16/2023	10.07	435.60
MW-153	Compliance	PMP	05/16/2023	12.43	433.24
MW-153	Compliance	PMP	06/16/2023	15.50	430.17
MW-153	Compliance	PMP	07/10/2023	16.50	429.17
MW-153	Compliance	PMP	07/16/2023	16.58	429.09
MW-153	Compliance	PMP	08/02/2023	16.19	429.48
MW-153	Compliance	PMP	09/30/2023	17.11	428.56
MW-153	Compliance	PMP	10/30/2023	17.84	427.83
MW-153	Compliance	PMP	11/07/2023	17.93	427.74
MW-153	Compliance	PMP	12/13/2023	17.98	427.69
MW-252	Compliance	PMP	04/16/2023	1.76	423.30
MW-252	Compliance	PMP	05/18/2023	[2.13]	[422.94]
MW-252	Compliance	PMP	08/02/2023	2.81	422.26
MW-252	Compliance	PMP	10/30/2023	3.30	421.77
MW-252	Compliance	PMP	11/06/2023	3.46	421.61
MW-252	Compliance	PMP	12/13/2023	3.39	421.68
MW-253	Compliance	PMP	04/16/2023	10.34	435.50
MW-253	Compliance	PMP	05/16/2023	12.91	432.93
MW-253	Compliance	PMP	08/03/2023	16.15	429.69
MW-253	Compliance	PMP	10/30/2023	17.07	428.77
MW-253	Compliance	PMP	11/07/2023	22.65	423.19
MW-253	Compliance	PMP	12/13/2023	17.47	428.37
MW-304	Background	UA	04/16/2023	9.57	445.91
MW-304	Background	UA	05/16/2023	9.60	445.89
MW-304	Background	UA	06/16/2023	9.82	445.66
MW-304	Background	UA	07/16/2023	9.99	445.50

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2023 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-304	Background	UA	08/03/2023	9.84	445.65
MW-304	Background	UA	09/30/2023	10.31	445.18
MW-304	Background	UA	10/30/2023	10.25	445.24
MW-304	Background	UA	11/07/2023	10.49	445.00
MW-304	Background	UA	12/13/2023	10.34	445.15
MW-306	Background	UA	04/16/2023	16.98	436.19
MW-306	Background	UA	05/16/2023	17.08	436.09
MW-306	Background	UA	06/16/2023	17.42	435.75
MW-306	Background	UA	07/16/2023	17.56	435.61
MW-306	Background	UA	08/03/2023	17.49	435.68
MW-306	Background	UA	10/30/2023	19.96	433.21
MW-306	Background	UA	11/07/2023	18.03	435.14
MW-306	Background	UA	12/13/2023	18.13	435.04
MW-350	Compliance	UA	04/16/2023	23.53	373.27
MW-350	Compliance	UA	05/16/2023	23.76	373.04
MW-350	Compliance	UA	06/16/2023	23.74	373.06
MW-350	Compliance	UA	07/16/2023	23.97	372.83
MW-350	Compliance	UA	08/03/2023	23.89	372.91
MW-350	Compliance	UA	09/30/2023	24.11	372.69
MW-350	Compliance	UA	10/30/2023	24.33	372.47
MW-350	Compliance	UA	11/06/2023	28.78	368.02
MW-350	Compliance	UA	12/13/2023	24.93	371.87
MW-352	Compliance	UA	05/18/2023	[3.27]	[421.77]
MW-352	Compliance	UA	07/10/2023	5.32	419.72
MW-352	Compliance	UA	08/02/2023	13.49	411.55
MW-352	Compliance	UA	10/30/2023	6.28	418.76
MW-352	Compliance	UA	11/06/2023	17.67	407.37
MW-352	Compliance	UA	12/13/2023	10.45	414.59
MW-358	Background	UA	04/16/2023	56.36	399.36
MW-358	Background	UA	05/16/2023	43.24	412.48
MW-358	Background	UA	05/19/2023	[42.92]	[412.81]
MW-358	Background	UA	06/16/2023	41.83	413.89
MW-358	Background	UA	07/16/2023	34.65	421.07
MW-358	Background	UA	08/03/2023	31.10	424.63
MW-358	Background	UA	09/30/2023	33.15	422.57
MW-358	Background	UA	10/30/2023	28.17	427.56
MW-358	Background	UA	11/07/2023	34.85	420.88
MW-358	Background	UA	12/13/2023	40.08	415.65
MW-366	Compliance	UA	05/16/2023	13.19	411.89
MW-366	Compliance	UA	08/02/2023	18.26	406.82
MW-366	Compliance	UA	10/30/2023	19.01	406.07
MW-366	Compliance	UA	11/06/2023	19.25	405.83
MW-375	Compliance	UA	05/18/2023	[32.21]	[390.84]
MW-375	Compliance	UA	08/02/2023	33.56	389.49
MW-375	Compliance	UA	10/30/2023	35.24	387.81
MW-375	Compliance	UA	11/06/2023	37.41	385.64

ATTACHMENT A
GROUNDWATER ELEVATION DATA
2023 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	12/13/2023	35.68	387.37
MW-377	Compliance	UA	05/22/2023	[5.65]	[415.71]
MW-377	Compliance	UA	08/02/2023	6.17	415.19
MW-377	Compliance	UA	10/30/2023	6.84	414.52
MW-377	Compliance	UA	11/06/2023	7.06	414.30
MW-377	Compliance	UA	12/13/2023	7.06	414.30
MW-383	Compliance	UA	04/16/2023	20.41	439.08
MW-383	Compliance	UA	05/16/2023	19.44	440.05
MW-383	Compliance	UA	06/16/2023	23.19	436.30
MW-383	Compliance	UA	07/16/2023	20.44	439.05
MW-383	Compliance	UA	08/02/2023	19.92	439.57
MW-383	Compliance	UA	09/30/2023	20.41	439.08
MW-383	Compliance	UA	10/30/2023	20.12	439.37
MW-383	Compliance	UA	11/07/2023	26.08	433.41
MW-383	Compliance	UA	12/13/2023	20.79	438.70
MW-384	Compliance	UA	04/16/2023	14.61	444.34
MW-384	Compliance	UA	05/16/2023	14.79	444.16
MW-384	Compliance	UA	06/16/2023	15.18	443.77
MW-384	Compliance	UA	07/16/2023	15.16	443.79
MW-384	Compliance	UA	08/02/2023	15.10	443.85
MW-384	Compliance	UA	10/30/2023	15.70	443.25
MW-384	Compliance	UA	11/07/2023	6.19	452.76
MW-384	Compliance	UA	12/13/2023	16.20	442.75
MW-390	Compliance	UA	05/17/2023	6.20	421.86
MW-390	Compliance	UA	08/02/2023	8.89	419.17
MW-390	Compliance	UA	10/30/2023	10.03	418.03
MW-390	Compliance	UA	11/06/2023	9.80	418.26
MW-390	Compliance	UA	12/13/2023	10.00	418.06
MW-391	Compliance	UA	04/16/2023	61.05	365.58
MW-391	Compliance	UA	05/16/2023	60.87	365.76
MW-391	Compliance	UA	06/16/2023	65.90	360.73
MW-391	Compliance	UA	07/16/2023	65.69	360.94
MW-391	Compliance	UA	08/02/2023	65.42	361.21
MW-391	Compliance	UA	09/30/2023	66.28	360.35
MW-391	Compliance	UA	10/30/2023	68.00	358.63
MW-391	Compliance	UA	11/06/2023	71.15	355.48
MW-391	Compliance	UA	12/13/2023	70.82	355.81

Notes:
Due to malfunctioning pressure transducer, data gaps exist in monthly water level elevations prior to the fourth quarter. Monthly depth to water measurements were collected manually in the fourth quarter.
BMP = below measuring point
Bracketing [ ] indicates that the measurement was obtained outside of the episodic depth to groundwater measurements time frame.
NAVD88 = North American Vertical Datum of 1988
Monitored Unit Abbreviations:

PMP = potential migration pathway

UA = uppermost aquifer

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ATTACHMENT B
CORRECTIVE MEASURES ASSESSMENT EXTENSION REQUEST AND IEPA APPROVAL LETTER

Luminant

Dynegy Midwest Generation, LLC
1500 Eastport Plaza Drive
Collinsville, IL 62234

November 27, 2023

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

Re: Baldwin Fly Ash Pond System (IEPA ID: W157810001-01/02/03), Corrective Measures Assessment Schedule Extension Demonstration

Dear Mr. LeCrone:

In accordance with 35 I.A.C. § 845.660(a)(2), Dynegy Midwest Generation, LLC (DMG) is submitting a schedule extension demonstration for completing the Corrective Measures Assessment (CMA) for the Fly Ash Pond System (IEPA ID: W157810001-01/02/03) at the Baldwin Power Plant, as enclosed.

Sincerely,

Phil Morris, P.E.
Senior Director, Environmental Health and Safety

Enclosures

INTRODUCTION AND BACKGROUND

Exceedances of the groundwater protection standards (GWPS) listed in the Illinois Administrative Code (35 I.A.C.) §845.600 have been detected at the Fly Ash Pond System (FAPS, Illinois Environmental Protection Agency [IEPA] Identification [ID]: W157810001-01/02/03) at the Baldwin Power Plant (BPP). The GWPS exceedances are documented within the 2023 Quarter 2 groundwater monitoring report that was prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) and submitted to IEPA on August 28, 2023 [1].

In accordance with 35 I.A.C. § 845.660, Dynegy Midwest Generation, LLC (DMG) initiated a Corrective Measures Assessment (CMA) on November 26, 2023, which was within 90 days of the exceedance detection. Upon reviewing site-specific conditions, circumstances, and information gathered to-date, DMG has determined, in accordance with 35 I.A.C. § 845.660(a)(2), that an additional 60 days will be required to complete the CMA. This extension of the CMA deadline would result in the CMA for the FAPS being submitted to IEPA on or before April 24, 2024.

DEMONSTRATION

As discussed below, there are four site-specific conditions or circumstances at the FAPS that justify the need for a 60-day extension of the default CMA deadline.

Circumstance 1: Ongoing Fieldwork and Additional Data Collection

The reliability of monitored natural attenuation (MNA) to attain groundwater protection standards (GWPS) is currently under evaluation. DMG is in the process of performing additional fieldwork and data collection associated with the evaluation of monitored natural attenuation (MNA) as a corrective measure for the FAPS. The fieldwork includes new soil borings, collection of soil samples, and geochemical testing. The results of this fieldwork and data collection will be utilized to evaluate the reliability, including the potential for reversibility, of MNA relative to other types of corrective measures.

Circumstance 2: Physical Size of the FAPS and Adjacent Wetlands and Floodplains

The evaluation of performance and reliability of corrective measures for the FAPS will be complicated by challenges around effectively implementing corrective measures at the site. The FAPS, which was closed in place in 2020 [2] under a closure plan [3] that was found by IEPA to "*represent an appropriate means by which to close the…Fly Ash Pond System"* [4], has a total surface area of nearly 240 acres and a perimeter of approximately 18,000 feet. The size of the FAPS will require substantial additional effort to evaluate the physical location and dimensions of any proposed corrective action, impacts of the corrective action on other site infrastructure, and the corresponding implementation schedules for corrective action.

Additionally, the time required to begin and complete corrective action may be affected by institutional and/or permitting requirements associated with potential floodplains and wetlands adjacent to the FAPS. Some areas adjacent to the FAPS are located within the 100-year floodplain of the Kaskaskia River per Federal Emergency Management Area floodplain mapping for the site [5]. Furthermore, areas adjacent to the FAPS have been identified as having both potential riverine wetlands and deepwater habitat by the U.S. Fish and Wildlife Service [6]. The presence of these floodplains and potential wetlands will require additional effort to evaluate corrective action alternatives that can be implemented while minimizing impacts to these sensitive areas.

Circumstance 3: Future Solar Development

The ease of implementation and time required to begin and complete corrective action at the FAPS may be affected by potential future solar development at the site. DMG is in the planning stages for potential future development of a solar facility over the closed-in-place FAPS which could provide renewable, low-carbon energy

to Illinois while repurposing the FAPS into productive land use. Additional time is required to evaluate potential conflicts between the future solar development that is being considered and potential corrective measures.

Circumstance 4: Low Permeability of Foundation Clay Soils and Estimated Time for Plume Contraction
The time required for corrective action to be completed will be affected by low-permeability soils and relatively long estimated times for plume contraction at the FAPS, based on previous groundwater modeling based on groundwater modeling [7]. The FAPS is underlain by unlithified geologic materials including the Cahokia Alluvium, Equality Formation, Vandalia Till Member, and Mississippian and Pennsylvanian bedrock. Hydraulic conductivity values in these materials, as measured from field tests, had geometric mean values of 3×10^{-5} to $5x10^{-6}$ cm/sec, while laboratory hydraulic conductivity values ranged from 2.5×10^{-6} to as low as 1.8×10^{-9} cm/sec [8]. Additional time will be required for the CMA to assess these site-specific conditions.

REFERENCES

[1] Ramboll Americas Engineering Solutions, Inc., "35 I.A.C. § 845.610(B)(3)(D) Groundwater Monitoring Data and Detected Exceedances, 2023 Quarter 2, Fly Ash Pond System, Baldwin Power Plant," August 28, 2023.

[2] Luminant, "Baldwin Energy Complex; Old East Fly Ash Pond, East Fly Ash Pond, West Fly Ash Pond, Notification of Completion of Closure," December 17, 2020.

[3] AECOM, "Closure and Post-Closure Care Plan for the Baldwin Fly Ash Pond System," March 2016.

[4] Illinois Environmental Protection Agency, "Dynegy Midwest Generation, Inc. - Baldwin Energy Complex: Baldwin Fly Ash Pond System Closure - NDPES Permit No. IL0000043," August 16, 2016.

[5] Federal Emergency Management Agency, "National Flood Hazard Layer," U.S. Department of Homeland Security, 26 August 2021. [Online]. Available: https://www.fema.gov/flood-maps/national-flood-hazard-layer.

[6] U.S. Fish and Wildlife Service, "National Wetlands Inventory, Surface Waters and Wetlands," [Online]. Available: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/.

[7] Natural Resource Technology, "Prediction of Plume Stability by Groundwater Modeling, Baldwin Ash Pond System, Baldwin Energy Complex, Baldwin Illinois," September 30, 2014.

[8] Natural Resource Technology, "Supplemental Hydrogeologic Site Characterization and Groundwater Monitoring Plan," March 31, 2016.

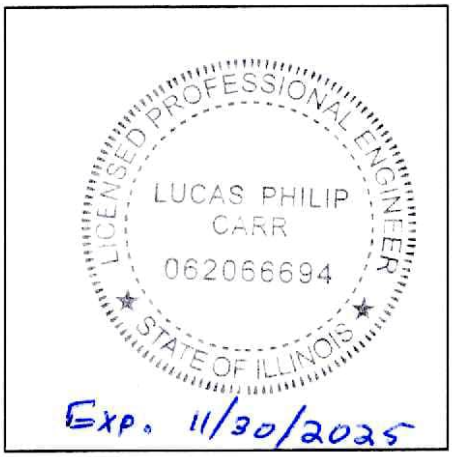
CERTIFICATION STATEMENT

CCR Unit: Dynegy Midwest Generation, LLC; Baldwin Power Plant, Fly Ash Pond System
IEPA ID: W157810001-01/02/03

I, Lucas P. Carr, being a Registered Professional Engineer in good standing with the state of Illinois, do herby certify, to the best of my knowledge, information, and belief that the information contained in this certification has been prepared in accordance with the accepted practice of engineering. I certify, for the above referenced CCR unit, that the 60-day extension demonstration for the corrective measures assessment has been prepared in accordance with 35 I.A.C. § 845.600(a)(2) and is accurate.

Lucas P. Carr, P.E.
Senior Managing Consultant

11/27/2023
Date



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

December 20, 2023

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

Re: Baldwin Power Plant Fly Ash Pond System; W1578510001-01, W1578510001-02, W1578510001-03
Corrective Measures Assessment (CMA) Schedule Extension Request - Revised

Dear Mr. Morris:

The purpose of this correspondence is to notify you that the Baldwin CMA Schedule Extension Request letter, dated December 11, 2023, incorrectly cited the Bottom Ash Pond. The CMA extension was for the Fly Ash Pond System, dated November 27, 2023, and is approved herein this revised letter.

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,

Michael Summers, P.G.
Manager, Groundwater Section
Division of Public Water Supplies
Bureau of Water

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

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND

- **ATTACHMENT C FROM THE QUARTER 2, 2023 GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES REPORT (RAMBOLL, 2023a)**

- **ATTACHMENT C FROM THE QUARTER 3, 2023 GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES REPORT (RAMBOLL, 2023b)**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0023
MW-150	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104
MW-150	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.017	0.261
MW-150	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.0005
MW-150	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	4.12	2.16
MW-150	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-150	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	56	1,370
MW-150	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.0125
MW-150	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0022
MW-150	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.7	3.84
MW-150	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0022
MW-150	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0506	0.14
MW-150	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.0002
MW-150	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0782
MW-150	PMP	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	7.1/7.1	7.51/11.11
MW-150	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	1.39	3.76
MW-150	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0015	0.0032
MW-150	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	970	762
MW-150	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-150	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1,790	3,260
MW-151	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0023
MW-151	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	67	Most recent sample	0.01	0.0104
MW-151	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.138	0.261
MW-151	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	67	Most recent sample	0.0015	0.0005
MW-151	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.345	2.16
MW-151	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-151	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	46	1,370

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	33	Most recent sample	0.028	0.0125
MW-151	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	33	Most recent sample	0.0172	0.0022
MW-151	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.54	3.84
MW-151	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	33	Most recent sample	0.02	0.0022
MW-151	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0323	0.14
MW-151	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.0002
MW-151	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0782
MW-151	PMP	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	6.8/6.8	7.51/11.11
MW-151	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	2.92	3.76
MW-151	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0032
MW-151	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	74	762
MW-151	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-151	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	545	3,260
MW-152	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0023
MW-152	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104
MW-152	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0167	0.261
MW-152	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.0005
MW-152	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.515	2.16
MW-152	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-152	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	8	1,370
MW-152	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.0125
MW-152	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0022
MW-152	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.31	3.84
MW-152	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0022
MW-152	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	50	Most recent sample	0.005	0.14
MW-152	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.0002
MW-152	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0782

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	6.9/6.9	7.51/11.11
MW-152	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.179	3.76
MW-152	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0032
MW-152	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	242	762
MW-152	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-152	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	706	3,260
MW-153	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.001	0.0023
MW-153	PMP	E001	Arsenic, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.01	0.0104
MW-153	PMP	E001	Barium, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	0.0867	0.261
MW-153	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0006	0.0005
MW-153	PMP	E001	Boron, total	mg/L	03/15/23 - 05/22/23	2	75	Most recent sample	0.02	2.16
MW-153	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.002	0.002
MW-153	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	16	1,370
MW-153	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0119	0.0125
MW-153	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0023	0.0022
MW-153	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	0.36	3.84
MW-153	PMP	E001	Lead, total	mg/L	03/15/23 - 05/22/23	2	67	Most recent sample	0.0083	0.0022
MW-153	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/22/23	2	33	Most recent sample	0.005	0.14
MW-153	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.0002	0.0002
MW-153	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.01	0.0782
MW-153	PMP	E001	pH (field)	SU	03/15/23 - 05/22/23	2	0	Most recent sample	7.2/7.2	7.51/11.11
MW-153	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/22/23	2	0	Most recent sample	2.68	3.76
MW-153	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	0.0026	0.0032
MW-153	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	75	762
MW-153	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/22/23	2	100	Most recent sample	0.002	0.002
MW-153	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/22/23	2	0	Most recent sample	350	3,260
MW-252	PMP	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0036	0.0023

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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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	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104
MW-252	PMP	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0377	0.261
MW-252	PMP	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.0005
MW-252	PMP	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.174	2.16
MW-252	PMP	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-252	PMP	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	38	1,370
MW-252	PMP	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.0125
MW-252	PMP	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	50	Most recent sample	0.0022	0.0022
MW-252	PMP	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.22	3.84
MW-252	PMP	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0022
MW-252	PMP	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0102	0.14
MW-252	PMP	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.0002
MW-252	PMP	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0782
MW-252	PMP	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	6.8/6.8	7.51/11.11
MW-252	PMP	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.237	3.76
MW-252	PMP	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0032
MW-252	PMP	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	454	762
MW-252	PMP	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-252	PMP	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1,200	3,260
MW-350	UA	E001	Antimony, total	mg/L	03/26/20 - 05/18/23	8	12	CI around mean	0.00067	0.0023
MW-350	UA	E001	Arsenic, total	mg/L	03/26/20 - 05/18/23	8	88	CI around median	0.001	0.0104
MW-350	UA	E001	Barium, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	0.176	0.261
MW-350	UA	E001	Beryllium, total	mg/L	03/26/20 - 05/18/23	6	100	All ND - Last	0.0005	0.0005
MW-350	UA	E001	Boron, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	0.535	2.16
MW-350	UA	E001	Cadmium, total	mg/L	03/26/20 - 05/18/23	6	100	All ND - Last	0.002	0.002
MW-350	UA	E001	Chloride, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	38.7	1,370
MW-350	UA	E001	Chromium, total	mg/L	03/26/20 - 05/18/23	8	75	CI around median	0.0015	0.0125

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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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-350	UA	E001	Cobalt, total	mg/L	03/26/20 - 05/18/23	8	100	All ND - Last	0.001	0.0022
MW-350	UA	E001	Fluoride, total	mg/L	03/26/20 - 05/18/23	8	0	CI around mean	0.142	3.84
MW-350	UA	E001	Lead, total	mg/L	03/26/20 - 05/18/23	8	50	CI around median	0.001	0.0022
MW-350	UA	E001	Lithium, total	mg/L	03/26/20 - 05/18/23	9	0	CI around mean	0.0728	0.14
MW-350	UA	E001	Mercury, total	mg/L	03/26/20 - 05/18/23	6	100	All ND - Last	0.0002	0.0002
MW-350	UA	E001	Molybdenum, total	mg/L	03/26/20 - 05/18/23	8	12	CI around mean	0.00228	0.0782
MW-350	UA	E001	pH (field)	SU	03/26/20 - 05/18/23	16	0	CI around median	10.7/11.5	7.51/11.11
MW-350	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/26/20 - 05/18/23	8	0	CI around mean	0.809	3.76
MW-350	UA	E001	Selenium, total	mg/L	03/26/20 - 05/18/23	8	100	All ND - Last	0.001	0.0032
MW-350	UA	E001	Sulfate, total	mg/L	03/26/20 - 05/18/23	8	11	CI around mean	62.9	762
MW-350	UA	E001	Thallium, total	mg/L	03/26/20 - 05/18/23	8	100	All ND - Last	0.002	0.002
MW-350	UA	E001	Total Dissolved Solids	mg/L	03/26/20 - 05/18/23	15	0	CB around linear reg	331	3,260
MW-352	UA	E001	Antimony, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0023
MW-352	UA	E001	Arsenic, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0104
MW-352	UA	E001	Barium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0891	0.261
MW-352	UA	E001	Beryllium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0005	0.0005
MW-352	UA	E001	Boron, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	2.04	2.16
MW-352	UA	E001	Cadmium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-352	UA	E001	Chloride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	569	1,370
MW-352	UA	E001	Chromium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.005	0.0125
MW-352	UA	E001	Cobalt, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0022
MW-352	UA	E001	Fluoride, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1.27	3.84
MW-352	UA	E001	Lead, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0075	0.0022
MW-352	UA	E001	Lithium, total	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	0.0934	0.14
MW-352	UA	E001	Mercury, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.0002	0.0002
MW-352	UA	E001	Molybdenum, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.01	0.0782
MW-352	UA	E001	pH (field)	SU	03/15/23 - 05/18/23	2	0	Most recent sample	7.4/7.4	7.51/11.11

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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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	E001	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 05/18/23	2	0	Most recent sample	1.09	3.76
MW-352	UA	E001	Selenium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.001	0.0032
MW-352	UA	E001	Sulfate, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	10	762
MW-352	UA	E001	Thallium, total	mg/L	03/15/23 - 05/18/23	2	100	Most recent sample	0.002	0.002
MW-352	UA	E001	Total Dissolved Solids	mg/L	03/15/23 - 05/18/23	2	0	Most recent sample	1,270	3,260
MW-366	UA	E001	Antimony, total	mg/L	01/20/16 - 05/16/23	20	100	All ND - Last	0.001	0.0023
MW-366	UA	E001	Arsenic, total	mg/L	01/20/16 - 05/16/23	20	95	CI around median	0.001	0.0104
MW-366	UA	E001	Barium, total	mg/L	01/20/16 - 05/16/23	20	0	CB around linear reg	0.0195	0.261
MW-366	UA	E001	Beryllium, total	mg/L	01/20/16 - 05/16/23	15	100	All ND - Last	0.0005	0.0005
MW-366	UA	E001	Boron, total	mg/L	01/20/16 - 05/16/23	21	0	CI around geomean	1.49	2.16
MW-366	UA	E001	Cadmium, total	mg/L	01/20/16 - 05/16/23	15	100	All ND - Last	0.002	0.002
MW-366	UA	E001	Chloride, total	mg/L	01/20/16 - 05/16/23	21	0	CB around linear reg	48.4	1,370
MW-366	UA	E001	Chromium, total	mg/L	01/20/16 - 05/16/23	20	100	All ND - Last	0.005	0.0125
MW-366	UA	E001	Cobalt, total	mg/L	01/20/16 - 05/16/23	18	78	CI around median	0.001	0.0022
MW-366	UA	E001	Fluoride, total	mg/L	01/20/16 - 05/16/23	21	0	CB around linear reg	0.0856	3.84
MW-366	UA	E001	Lead, total	mg/L	01/20/16 - 05/16/23	17	100	All ND - Last	0.0075	0.0022
MW-366	UA	E001	Lithium, total	mg/L	01/20/16 - 05/16/23	20	5	CB around linear reg	0.000159	0.14
MW-366	UA	E001	Mercury, total	mg/L	01/20/16 - 05/16/23	15	100	All ND - Last	0.0002	0.0002
MW-366	UA	E001	Molybdenum, total	mg/L	01/20/16 - 05/16/23	20	5	CI around mean	0.00285	0.0782
MW-366	UA	E001	pH (field)	SU	01/20/16 - 05/16/23	21	0	CB around linear reg	6.5/7.0	7.51/11.11
MW-366	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 05/16/23	20	0	CI around geomean	0.416	3.76
MW-366	UA	E001	Selenium, total	mg/L	01/20/16 - 05/16/23	20	95	CI around median	0.001	0.0032
MW-366	UA	E001	Sulfate, total	mg/L	01/20/16 - 05/16/23	21	0	CB around linear reg	570	762
MW-366	UA	E001	Thallium, total	mg/L	01/20/16 - 05/16/23	17	100	All ND - Last	0.002	0.002
MW-366	UA	E001	Total Dissolved Solids	mg/L	01/20/16 - 05/16/23	20	0	CB around linear reg	1,210	3,260
MW-375	UA	E001	Antimony, total	mg/L	01/20/16 - 05/18/23	20	20	CB around T-S line	-6.29e-05	0.0023
MW-375	UA	E001	Arsenic, total	mg/L	01/20/16 - 05/18/23	20	5	CI around median	0.0014	0.0104

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	E001	Barium, total	mg/L	01/20/16 - 05/18/23	20	0	CI around geomean	0.0245	0.261
MW-375	UA	E001	Beryllium, total	mg/L	01/20/16 - 05/18/23	15	100	All ND - Last	0.0005	0.0005
MW-375	UA	E001	Boron, total	mg/L	01/20/16 - 05/18/23	21	0	CB around T-S line	1.43	2.16
MW-375	UA	E001	Cadmium, total	mg/L	01/20/16 - 05/18/23	15	100	All ND - Last	0.002	0.002
MW-375	UA	E001	Chloride, total	mg/L	01/20/16 - 05/18/23	21	0	CB around linear reg	96.9	1,370
MW-375	UA	E001	Chromium, total	mg/L	01/20/16 - 05/18/23	20	100	All ND - Last	0.005	0.0125
MW-375	UA	E001	Cobalt, total	mg/L	01/20/16 - 05/18/23	18	100	All ND - Last	0.001	0.0022
MW-375	UA	E001	Fluoride, total	mg/L	01/20/16 - 05/18/23	21	0	CI around mean	2.21	3.84
MW-375	UA	E001	Lead, total	mg/L	01/20/16 - 05/18/23	17	100	All ND - Last	0.0075	0.0022
MW-375	UA	E001	Lithium, total	mg/L	01/20/16 - 05/18/23	20	0	CB around linear reg	0.0709	0.14
MW-375	UA	E001	Mercury, total	mg/L	01/20/16 - 05/18/23	15	100	All ND - Last	0.0002	0.0002
MW-375	UA	E001	Molybdenum, total	mg/L	01/20/16 - 05/18/23	20	0	CI around mean	0.0243	0.0782
MW-375	UA	E001	pH (field)	SU	01/20/16 - 05/18/23	21	0	CI around median	7.8/7.8	7.51/11.11
MW-375	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 05/18/23	20	0	CI around median	0.23	3.76
MW-375	UA	E001	Selenium, total	mg/L	01/20/16 - 05/18/23	20	90	CI around median	0.001	0.0032
MW-375	UA	E001	Sulfate, total	mg/L	01/20/16 - 05/18/23	21	0	CI around mean	117	762
MW-375	UA	E001	Thallium, total	mg/L	01/20/16 - 05/18/23	17	100	All ND - Last	0.002	0.002
MW-375	UA	E001	Total Dissolved Solids	mg/L	01/20/16 - 05/18/23	21	0	CB around T-S line	955	3,260
MW-377	UA	E001	Antimony, total	mg/L	01/19/16 - 05/22/23	20	100	All ND - Last	0.001	0.0023
MW-377	UA	E001	Arsenic, total	mg/L	01/19/16 - 05/22/23	20	80	CI around median	0.001	0.0104
MW-377	UA	E001	Barium, total	mg/L	01/19/16 - 05/22/23	20	0	CI around mean	0.0603	0.261
MW-377	UA	E001	Beryllium, total	mg/L	01/19/16 - 05/22/23	15	100	All ND - Last	0.0005	0.0005
MW-377	UA	E001	Boron, total	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	1.67	2.16
MW-377	UA	E001	Cadmium, total	mg/L	01/19/16 - 05/22/23	15	100	All ND - Last	0.002	0.002
MW-377	UA	E001	Chloride, total	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	89.6	1,370
MW-377	UA	E001	Chromium, total	mg/L	01/19/16 - 05/22/23	20	95	CB around T-S line	0.0012	0.0125
MW-377	UA	E001	Cobalt, total	mg/L	01/19/16 - 05/22/23	18	100	All ND - Last	0.001	0.0022

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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	E001	Fluoride, total	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	1.11	3.84
MW-377	UA	E001	Lead, total	mg/L	01/19/16 - 05/22/23	17	100	All ND - Last	0.0075	0.0022
MW-377	UA	E001	Lithium, total	mg/L	01/19/16 - 05/22/23	20	0	CB around linear reg	0.0574	0.14
MW-377	UA	E001	Mercury, total	mg/L	01/19/16 - 05/22/23	15	100	All ND - Last	0.0002	0.0002
MW-377	UA	E001	Molybdenum, total	mg/L	01/19/16 - 05/22/23	20	60	CI around median	0.0015	0.0782
MW-377	UA	E001	pH (field)	SU	01/19/16 - 05/22/23	21	0	CI around median	7.1/7.2	7.51/11.11
MW-377	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 05/22/23	20	0	CI around mean	0.347	3.76
MW-377	UA	E001	Selenium, total	mg/L	01/19/16 - 05/22/23	20	100	All ND - Last	0.001	0.0032
MW-377	UA	E001	Sulfate, total	mg/L	01/19/16 - 05/22/23	21	0	CB around linear reg	35.2	762
MW-377	UA	E001	Thallium, total	mg/L	01/19/16 - 05/22/23	17	100	All ND - Last	0.002	0.002
MW-377	UA	E001	Total Dissolved Solids	mg/L	01/19/16 - 05/22/23	21	0	CI around mean	596	3,260
MW-383	UA	E001	Antimony, total	mg/L	01/21/16 - 05/22/23	20	85	CB around T-S line	0.000622	0.0023
MW-383	UA	E001	Arsenic, total	mg/L	01/21/16 - 05/22/23	20	75	CI around median	0.001	0.0104
MW-383	UA	E001	Barium, total	mg/L	01/21/16 - 05/22/23	20	0	CB around T-S line	0.0445	0.261
MW-383	UA	E001	Beryllium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0005	0.0005
MW-383	UA	E001	Boron, total	mg/L	01/21/16 - 05/22/23	21	0	CI around median	1.34	2.16
MW-383	UA	E001	Cadmium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.002	0.002
MW-383	UA	E001	Chloride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	41	1,370
MW-383	UA	E001	Chromium, total	mg/L	01/21/16 - 05/22/23	20	95	CB around T-S line	0.00121	0.0125
MW-383	UA	E001	Cobalt, total	mg/L	01/21/16 - 05/22/23	18	100	All ND - Last	0.001	0.0022
MW-383	UA	E001	Fluoride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	0.63	3.84
MW-383	UA	E001	Lead, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.0075	0.0022
MW-383	UA	E001	Lithium, total	mg/L	01/21/16 - 05/22/23	20	0	CI around mean	0.0329	0.14
MW-383	UA	E001	Mercury, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0002	0.0002
MW-383	UA	E001	Molybdenum, total	mg/L	01/21/16 - 05/22/23	20	0	CI around geomean	0.0102	0.0782
MW-383	UA	E001	pH (field)	SU	01/21/16 - 05/22/23	21	0	CB around linear reg	7.4/7.6	7.51/11.11
MW-383	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 05/22/23	20	0	CI around geomean	0.224	3.76

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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-383	UA	E001	Selenium, total	mg/L	01/21/16 - 05/22/23	20	95	CI around median	0.001	0.0032
MW-383	UA	E001	Sulfate, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	148	762
MW-383	UA	E001	Thallium, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.002	0.002
MW-383	UA	E001	Total Dissolved Solids	mg/L	01/21/16 - 05/22/23	21	0	CI around mean	873	3,260
MW-384	UA	E001	Antimony, total	mg/L	01/21/16 - 05/22/23	20	100	All ND - Last	0.001	0.0023
MW-384	UA	E001	Arsenic, total	mg/L	01/21/16 - 05/22/23	20	100	All ND - Last	0.01	0.0104
MW-384	UA	E001	Barium, total	mg/L	01/21/16 - 05/22/23	20	0	CB around T-S line	0.0329	0.261
MW-384	UA	E001	Beryllium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0005	0.0005
MW-384	UA	E001	Boron, total	mg/L	01/21/16 - 05/22/23	21	0	CI around median	1.41	2.16
MW-384	UA	E001	Cadmium, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.002	0.002
MW-384	UA	E001	Chloride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	447	1,370
MW-384	UA	E001	Chromium, total	mg/L	01/21/16 - 05/22/23	20	95	CB around T-S line	0.00121	0.0125
MW-384	UA	E001	Cobalt, total	mg/L	01/21/16 - 05/22/23	18	100	All ND - Last	0.001	0.0022
MW-384	UA	E001	Fluoride, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	3.41	3.84
MW-384	UA	E001	Lead, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.0075	0.0022
MW-384	UA	E001	Lithium, total	mg/L	01/21/16 - 05/22/23	20	0	CI around mean	0.0384	0.14
MW-384	UA	E001	Mercury, total	mg/L	01/21/16 - 05/22/23	15	100	All ND - Last	0.0002	0.0002
MW-384	UA	E001	Molybdenum, total	mg/L	01/21/16 - 05/22/23	20	0	CB around linear reg	0.0242	0.0782
MW-384	UA	E001	pH (field)	SU	01/21/16 - 05/22/23	21	0	CI around median	7.8/8.0	7.51/11.11
MW-384	UA	E001	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 05/22/23	20	0	CI around geomean	0.333	3.76
MW-384	UA	E001	Selenium, total	mg/L	01/21/16 - 05/22/23	20	100	All ND - Last	0.001	0.0032
MW-384	UA	E001	Sulfate, total	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	-1.43	762
MW-384	UA	E001	Thallium, total	mg/L	01/21/16 - 05/22/23	17	100	All ND - Last	0.002	0.002
MW-384	UA	E001	Total Dissolved Solids	mg/L	01/21/16 - 05/22/23	21	0	CB around linear reg	1,420	3,260
MW-390	UA	E001	Antimony, total	mg/L	03/22/16 - 05/17/23	20	95	CI around median	0.001	0.0023
MW-390	UA	E001	Arsenic, total	mg/L	03/22/16 - 05/17/23	20	10	CI around median	0.0013	0.0104
MW-390	UA	E001	Barium, total	mg/L	03/22/16 - 05/17/23	20	0	CB around linear reg	0.0691	0.261

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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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	E001	Beryllium, total	mg/L	03/22/16 - 05/17/23	15	100	All ND - Last	0.0005	0.0005
MW-390	UA	E001	Boron, total	mg/L	03/22/16 - 05/17/23	21	0	CB around linear reg	-0.805	2.16
MW-390	UA	E001	Cadmium, total	mg/L	03/22/16 - 05/17/23	15	100	All ND - Last	0.002	0.002
MW-390	UA	E001	Chloride, total	mg/L	03/22/16 - 05/17/23	21	0	CI around mean	64	1,370
MW-390	UA	E001	Chromium, total	mg/L	03/22/16 - 05/17/23	20	100	All ND - Last	0.005	0.0125
MW-390	UA	E001	Cobalt, total	mg/L	03/22/16 - 05/17/23	18	67	CI around median	0.001	0.0022
MW-390	UA	E001	Fluoride, total	mg/L	03/22/16 - 05/17/23	21	0	CB around linear reg	0.2	3.84
MW-390	UA	E001	Lead, total	mg/L	03/22/16 - 05/17/23	17	94	CI around median	0.001	0.0022
MW-390	UA	E001	Lithium, total	mg/L	03/22/16 - 05/17/23	20	5	CB around linear reg	-0.000547	0.14
MW-390	UA	E001	Mercury, total	mg/L	03/22/16 - 05/17/23	15	100	All ND - Last	0.0002	0.0002
MW-390	UA	E001	Molybdenum, total	mg/L	03/22/16 - 05/17/23	20	5	CI around geomean	0.00313	0.0782
MW-390	UA	E001	pH (field)	SU	03/22/16 - 05/17/23	21	0	CB around linear reg	6.7/7.2	7.51/11.11
MW-390	UA	E001	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 05/17/23	20	0	CI around mean	0.624	3.76
MW-390	UA	E001	Selenium, total	mg/L	03/22/16 - 05/17/23	20	90	CI around median	0.001	0.0032
MW-390	UA	E001	Sulfate, total	mg/L	03/22/16 - 05/17/23	21	0	CI around mean	137	762
MW-390	UA	E001	Thallium, total	mg/L	03/22/16 - 05/17/23	17	100	All ND - Last	0.002	0.002
MW-390	UA	E001	Total Dissolved Solids	mg/L	03/22/16 - 05/17/23	21	0	CI around mean	676	3,260
MW-391	UA	E001	Antimony, total	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	0.00151	0.0023
MW-391	UA	E001	Arsenic, total	mg/L	12/22/16 - 05/17/23	15	7	CB around linear reg	0.00306	0.0104
MW-391	UA	E001	Barium, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	0.00824	0.261
MW-391	UA	E001	Beryllium, total	mg/L	12/22/16 - 05/17/23	10	100	All ND - Last	0.0005	0.0005
MW-391	UA	E001	Boron, total	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	2.42	2.16
MW-391	UA	E001	Cadmium, total	mg/L	12/22/16 - 05/17/23	10	100	All ND - Last	0.002	0.002
MW-391	UA	E001	Chloride, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	75.6	1,370
MW-391	UA	E001	Chromium, total	mg/L	12/22/16 - 05/17/23	15	80	CB around T-S line	0.0015	0.0125
MW-391	UA	E001	Cobalt, total	mg/L	12/22/16 - 05/17/23	13	92	CI around median	0.001	0.0022
MW-391	UA	E001	Fluoride, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	2.84	3.84

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2023
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-391	UA	E001	Lead, total	mg/L	12/22/16 - 05/17/23	12	100	All ND - Last	0.0075	0.0022
MW-391	UA	E001	Lithium, total	mg/L	12/22/16 - 05/17/23	16	0	CI around mean	0.0689	0.14
MW-391	UA	E001	Mercury, total	mg/L	12/22/16 - 05/17/23	10	100	All ND - Last	0.0002	0.0002
MW-391	UA	E001	Molybdenum, total	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	0.0368	0.0782
MW-391	UA	E001	pH (field)	SU	12/22/16 - 05/17/23	16	0	CB around linear reg	7.6/8.1	7.51/11.11
MW-391	UA	E001	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 05/17/23	15	0	CI around mean	0.724	3.76
MW-391	UA	E001	Selenium, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	-0.0066	0.0032
MW-391	UA	E001	Sulfate, total	mg/L	12/22/16 - 05/17/23	15	0	CB around linear reg	64.8	762
MW-391	UA	E001	Thallium, total	mg/L	12/22/16 - 05/17/23	13	92	CI around median	0.001	0.002
MW-391	UA	E001	Total Dissolved Solids	mg/L	12/22/16 - 05/17/23	15	0	CI around mean	1,960	3,260

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
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 Statistical Analysis Plan using constituent concentrations observed at 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 OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
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	E002	Antimony, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.00230
MW-150	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.0104
MW-150	PMP	E002	Barium, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.0194	0.261
MW-150	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.0005
MW-150	PMP	E002	Boron, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	4.38	2.16
MW-150	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.002
MW-150	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	53	1,370
MW-150	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.0015	0.0125
MW-150	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.00220
MW-150	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.75	3.84
MW-150	PMP	E002	Lead, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.001	0.00220
MW-150	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.0502	0.140
MW-150	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.0002	0.0002
MW-150	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/07/23	3	67	Most recent sample	0.0015	0.0782
MW-150	PMP	E002	pH (field)	SU	03/22/16 - 08/07/23	31	0	CB around T-S line	6.9/7.0	7.5/11.1
MW-150	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/07/23	3	0	Most recent sample	0.628	3.76
MW-150	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/07/23	3	33	Most recent sample	0.001	0.00320
MW-150	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/07/23	3	0	Most recent sample	852	762
MW-150	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/07/23	3	100	All ND - Last	0.002	0.002
MW-150	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/07/23	31	0	CB around linear reg	1,670	3,260
MW-151	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.001	0.00230
MW-151	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/07/23	4	50	CI around mean	0.00111	0.0104
MW-151	PMP	E002	Barium, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	-0.00876	0.261
MW-151	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/07/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0005
MW-151	PMP	E002	Boron, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	0.04	2.16
MW-151	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.001	0.002
MW-151	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	30.2	1,370

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
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	E002	Chromium, total	mg/L	03/15/23 - 08/07/23	4	25	CI around mean	-0.00972	0.0125
MW-151	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/07/23	4	25	CI around mean	-0.00834	0.00220
MW-151	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	0.482	3.84
MW-151	PMP	E002	Lead, total	mg/L	03/15/23 - 08/07/23	4	25	CI around mean	-0.0104	0.00220
MW-151	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	0.0218	0.140
MW-151	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.0002	0.0002
MW-151	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.0015	0.0782
MW-151	PMP	E002	pH (field)	SU	03/16/17 - 08/07/23	28	0	CI around mean	6.9/7.0	7.5/11.1
MW-151	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/07/23	4	0	CI around mean	-0.837	3.76
MW-151	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.001	0.00320
MW-151	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/07/23	4	0	CI around mean	64.7	762
MW-151	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/07/23	4	100	All ND - Last	0.002	0.002
MW-151	PMP	E002	Total Dissolved Solids	mg/L	03/16/17 - 08/07/23	28	0	CI around mean	542	3,260
MW-152	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.00230
MW-152	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.001	0.0104
MW-152	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.033	0.261
MW-152	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.0005
MW-152	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	9.09	2.16
MW-152	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.002
MW-152	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	37	1,370
MW-152	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0037	0.0125
MW-152	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0012	0.00220
MW-152	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.39	3.84
MW-152	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.002	0.00220
MW-152	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	3	33	Most recent sample	0.0117	0.140
MW-152	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0002	0.0002
MW-152	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0015	0.0782

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-152	PMP	E002	pH (field)	SU	03/22/16 - 08/04/23	31	0	CI around geomean	6.8/7.0	7.5/11.1
MW-152	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	3	0	Most recent sample	1.31	3.76
MW-152	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.00320
MW-152	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	732	762
MW-152	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.002	0.002
MW-152	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	31	0	CB around linear reg	511	3,260
MW-153	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.00230
MW-153	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.0104
MW-153	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around median (Last Sample, n<7)	0.0357	0.261
MW-153	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.001	0.0005
MW-153	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	4	60	CI around median (Last Sample, n<7)	0.0357	2.16
MW-153	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.002
MW-153	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	14.1	1,370
MW-153	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.0015	0.0125
MW-153	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.001	0.00220
MW-153	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.322	3.84
MW-153	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	4	75	CI around median (Last Sample, n<7)	0.001	0.00220
MW-153	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	4	25	CI around mean	0.00224	0.140
MW-153	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0002	0.0002
MW-153	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0015	0.0782
MW-153	PMP	E002	pH (field)	SU	03/22/16 - 08/04/23	32	0	CI around median	7.0/7.2	7.5/11.1
MW-153	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	4	0	CI around mean	-0.989	3.76
MW-153	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.00185	0.00320
MW-153	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	52.7	762
MW-153	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.002	0.002
MW-153	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	32	0	CI around median	364	3,260
MW-252	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.0012	0.00230

ATTACHMENT C.
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BALDWIN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-252	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0011	0.0104
MW-252	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.0359	0.261
MW-252	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.0005
MW-252	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.143	2.16
MW-252	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.002
MW-252	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	37	1,370
MW-252	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0049	0.0125
MW-252	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	3	33	Most recent sample	0.0019	0.00220
MW-252	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.24	3.84
MW-252	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	3	67	Most recent sample	0.0018	0.00220
MW-252	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	0.0151	0.140
MW-252	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0002	0.0002
MW-252	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.0015	0.0782
MW-252	PMP	E002	pH (field)	SU	03/22/16 - 08/04/23	31	0	CI around median	6.8/7.0	7.5/11.1
MW-252	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	3	0	Most recent sample	2.63	3.76
MW-252	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.001	0.00320
MW-252	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	3	0	Most recent sample	448	762
MW-252	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	3	100	All ND - Last	0.002	0.002
MW-252	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	31	0	CB around linear reg	1,120	3,260
MW-253	PMP	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.00230
MW-253	PMP	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.0104
MW-253	PMP	E002	Barium, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.0562	0.261
MW-253	PMP	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.0005
MW-253	PMP	E002	Boron, total	mg/L	03/15/23 - 08/04/23	2	33	Most recent sample	0.0698	2.16
MW-253	PMP	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.002
MW-253	PMP	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	21	1,370
MW-253	PMP	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	2	50	Most recent sample	0.0015	0.0125

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
MW-253	PMP	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.00220
MW-253	PMP	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.23	3.84
MW-253	PMP	E002	Lead, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.00220
MW-253	PMP	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.0286	0.140
MW-253	PMP	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.0002	0.0002
MW-253	PMP	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.0069	0.0782
MW-253	PMP	E002	pH (field)	SU	03/22/16 - 08/04/23	30	0	CI around median	11.3/11.8	7.5/11.1
MW-253	PMP	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	2	0	Most recent sample	0.645	3.76
MW-253	PMP	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.001	0.00320
MW-253	PMP	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	2	0	Most recent sample	154	762
MW-253	PMP	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	2	100	All ND - Last	0.002	0.002
MW-253	PMP	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	30	0	CI around mean	448	3,260
MW-350	UA	E002	Antimony, total	mg/L	03/26/20 - 08/07/23	9	11	CI around mean	0.000845	0.00230
MW-350	UA	E002	Arsenic, total	mg/L	03/26/20 - 08/07/23	9	89	CI around median	0.001	0.0104
MW-350	UA	E002	Barium, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	0.188	0.261
MW-350	UA	E002	Beryllium, total	mg/L	03/26/20 - 08/07/23	7	100	All ND - Last	0.001	0.0005
MW-350	UA	E002	Boron, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	0.543	2.16
MW-350	UA	E002	Cadmium, total	mg/L	03/26/20 - 08/07/23	7	100	All ND - Last	0.001	0.002
MW-350	UA	E002	Chloride, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	40.8	1,370
MW-350	UA	E002	Chromium, total	mg/L	03/26/20 - 08/07/23	9	67	CI around median	0.0015	0.0125
MW-350	UA	E002	Cobalt, total	mg/L	03/26/20 - 08/07/23	9	100	All ND - Last	0.001	0.00220
MW-350	UA	E002	Fluoride, total	mg/L	03/26/20 - 08/07/23	9	0	CI around mean	0.138	3.84
MW-350	UA	E002	Lead, total	mg/L	03/26/20 - 08/07/23	9	56	CI around median	0.001	0.00220
MW-350	UA	E002	Lithium, total	mg/L	06/25/19 - 08/07/23	11	0	CI around mean	0.0733	0.140
MW-350	UA	E002	Mercury, total	mg/L	03/26/20 - 08/07/23	7	100	All ND - Last	0.0002	0.0002
MW-350	UA	E002	Molybdenum, total	mg/L	03/26/20 - 08/07/23	9	11	CI around mean	0.00263	0.0782
MW-350	UA	E002	pH (field)	SU	03/22/16 - 08/07/23	34	0	CB around T-S line	10.1/11.0	7.5/11.1

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-350	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/26/20 - 08/07/23	9	0	CI around mean	0.891	3.76
MW-350	UA	E002	Selenium, total	mg/L	03/26/20 - 08/07/23	9	100	All ND - Last	0.001	0.00320
MW-350	UA	E002	Sulfate, total	mg/L	03/26/20 - 08/07/23	9	10	CI around mean	67	762
MW-350	UA	E002	Thallium, total	mg/L	03/26/20 - 08/07/23	9	100	All ND - Last	0.002	0.002
MW-350	UA	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/07/23	32	0	CB around linear reg	157	3,260
MW-352	UA	E002	Antimony, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.00230
MW-352	UA	E002	Arsenic, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.0104
MW-352	UA	E002	Barium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.0833	0.261
MW-352	UA	E002	Beryllium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.0005
MW-352	UA	E002	Boron, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	1.69	2.16
MW-352	UA	E002	Cadmium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.002
MW-352	UA	E002	Chloride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	510	1,370
MW-352	UA	E002	Chromium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0015	0.0125
MW-352	UA	E002	Cobalt, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.00220
MW-352	UA	E002	Fluoride, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	1.19	3.84
MW-352	UA	E002	Lead, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.00220
MW-352	UA	E002	Lithium, total	mg/L	03/15/23 - 08/04/23	4	0	CI around mean	0.08	0.140
MW-352	UA	E002	Mercury, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0002	0.0002
MW-352	UA	E002	Molybdenum, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.0015	0.0782
MW-352	UA	E002	pH (field)	SU	03/22/16 - 08/04/23	32	0	CB around T-S line	7.3/7.5	7.5/11.1
MW-352	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/15/23 - 08/04/23	4	0	CI around mean	0.586	3.76
MW-352	UA	E002	Selenium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.001	0.00320
MW-352	UA	E002	Sulfate, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	10	762
MW-352	UA	E002	Thallium, total	mg/L	03/15/23 - 08/04/23	4	100	All ND - Last	0.002	0.002
MW-352	UA	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	32	0	CI around median	1,120	3,260
MW-366	UA	E002	Antimony, total	mg/L	01/20/16 - 08/04/23	21	100	All ND - Last	0.001	0.00230
MW-366	UA	E002	Arsenic, total	mg/L	01/20/16 - 08/04/23	21	95	CI around median	0.001	0.0104

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FLY ASH POND SYSTEM
BALDWIN, IL

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MW-366	UA	E002	Barium, total	mg/L	01/20/16 - 08/04/23	21	0	CB around linear reg	0.0193	0.261
MW-366	UA	E002	Beryllium, total	mg/L	01/20/16 - 08/04/23	16	100	All ND - Last	0.001	0.0005
MW-366	UA	E002	Boron, total	mg/L	01/20/16 - 08/04/23	22	0	CI around geomean	1.5	2.16
MW-366	UA	E002	Cadmium, total	mg/L	01/20/16 - 08/04/23	16	100	All ND - Last	0.001	0.002
MW-366	UA	E002	Chloride, total	mg/L	01/20/16 - 08/04/23	22	0	CB around linear reg	47.7	1,370
MW-366	UA	E002	Chromium, total	mg/L	01/20/16 - 08/04/23	21	100	All ND - Last	0.0015	0.0125
MW-366	UA	E002	Cobalt, total	mg/L	01/20/16 - 08/04/23	19	79	CI around median	0.001	0.00220
MW-366	UA	E002	Fluoride, total	mg/L	01/20/16 - 08/04/23	22	0	CB around linear reg	0.103	3.84
MW-366	UA	E002	Lead, total	mg/L	01/20/16 - 08/04/23	18	100	All ND - Last	0.001	0.00220
MW-366	UA	E002	Lithium, total	mg/L	01/20/16 - 08/04/23	21	5	CB around linear reg	0.000761	0.140
MW-366	UA	E002	Mercury, total	mg/L	01/20/16 - 08/04/23	16	100	All ND - Last	0.0002	0.0002
MW-366	UA	E002	Molybdenum, total	mg/L	01/20/16 - 08/04/23	21	5	CI around mean	0.0028	0.0782
MW-366	UA	E002	pH (field)	SU	01/20/16 - 08/04/23	22	0	CB around linear reg	6.6/7.0	7.5/11.1
MW-366	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 08/04/23	21	0	CI around geomean	0.431	3.76
MW-366	UA	E002	Selenium, total	mg/L	01/20/16 - 08/04/23	21	95	CI around median	0.001	0.00320
MW-366	UA	E002	Sulfate, total	mg/L	01/20/16 - 08/04/23	22	0	CB around linear reg	550	762
MW-366	UA	E002	Thallium, total	mg/L	01/20/16 - 08/04/23	18	100	All ND - Last	0.002	0.002
MW-366	UA	E002	Total Dissolved Solids	mg/L	01/20/16 - 08/04/23	21	0	CB around linear reg	1,200	3,260
MW-375	UA	E002	Antimony, total	mg/L	01/20/16 - 08/07/23	21	24	CB around T-S line	-0.000161	0.00230
MW-375	UA	E002	Arsenic, total	mg/L	01/20/16 - 08/07/23	21	5	CI around median	0.0014	0.0104
MW-375	UA	E002	Barium, total	mg/L	01/20/16 - 08/07/23	21	0	CI around geomean	0.0247	0.261
MW-375	UA	E002	Beryllium, total	mg/L	01/20/16 - 08/07/23	16	100	All ND - Last	0.001	0.0005
MW-375	UA	E002	Boron, total	mg/L	01/20/16 - 08/07/23	22	0	CB around T-S line	1.45	2.16
MW-375	UA	E002	Cadmium, total	mg/L	01/20/16 - 08/07/23	16	100	All ND - Last	0.001	0.002
MW-375	UA	E002	Chloride, total	mg/L	01/20/16 - 08/07/23	22	0	CI around mean	91.6	1,370
MW-375	UA	E002	Chromium, total	mg/L	01/20/16 - 08/07/23	21	100	All ND - Last	0.0015	0.0125
MW-375	UA	E002	Cobalt, total	mg/L	01/20/16 - 08/07/23	19	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-375	UA	E002	Fluoride, total	mg/L	01/20/16 - 08/07/23	22	0	CI around mean	2.22	3.84
MW-375	UA	E002	Lead, total	mg/L	01/20/16 - 08/07/23	18	100	All ND - Last	0.001	0.00220
MW-375	UA	E002	Lithium, total	mg/L	01/20/16 - 08/07/23	21	0	CB around linear reg	0.0701	0.140
MW-375	UA	E002	Mercury, total	mg/L	01/20/16 - 08/07/23	16	100	All ND - Last	0.0002	0.0002
MW-375	UA	E002	Molybdenum, total	mg/L	01/20/16 - 08/07/23	21	0	CI around mean	0.0247	0.0782
MW-375	UA	E002	pH (field)	SU	01/20/16 - 08/07/23	22	0	CI around median	7.7/7.8	7.5/11.1
MW-375	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/20/16 - 08/07/23	21	0	CI around median	0.248	3.76
MW-375	UA	E002	Selenium, total	mg/L	01/20/16 - 08/07/23	21	90	CI around median	0.001	0.00320
MW-375	UA	E002	Sulfate, total	mg/L	01/20/16 - 08/07/23	22	0	CI around mean	116	762
MW-375	UA	E002	Thallium, total	mg/L	01/20/16 - 08/07/23	18	100	All ND - Last	0.002	0.002
MW-375	UA	E002	Total Dissolved Solids	mg/L	01/20/16 - 08/07/23	22	0	CI around median	904	3,260
MW-377	UA	E002	Antimony, total	mg/L	01/19/16 - 08/07/23	21	100	All ND - Last	0.001	0.00230
MW-377	UA	E002	Arsenic, total	mg/L	01/19/16 - 08/07/23	21	81	CI around median	0.001	0.0104
MW-377	UA	E002	Barium, total	mg/L	01/19/16 - 08/07/23	21	0	CI around mean	0.0605	0.261
MW-377	UA	E002	Beryllium, total	mg/L	01/19/16 - 08/07/23	16	100	All ND - Last	0.001	0.0005
MW-377	UA	E002	Boron, total	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	1.67	2.16
MW-377	UA	E002	Cadmium, total	mg/L	01/19/16 - 08/07/23	16	100	All ND - Last	0.001	0.002
MW-377	UA	E002	Chloride, total	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	89.9	1,370
MW-377	UA	E002	Chromium, total	mg/L	01/19/16 - 08/07/23	21	95	CB around T-S line	0.00142	0.0125
MW-377	UA	E002	Cobalt, total	mg/L	01/19/16 - 08/07/23	19	100	All ND - Last	0.001	0.00220
MW-377	UA	E002	Fluoride, total	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	1.11	3.84
MW-377	UA	E002	Lead, total	mg/L	01/19/16 - 08/07/23	18	100	All ND - Last	0.001	0.00220
MW-377	UA	E002	Lithium, total	mg/L	01/19/16 - 08/07/23	21	0	CB around linear reg	0.0573	0.140
MW-377	UA	E002	Mercury, total	mg/L	01/19/16 - 08/07/23	16	100	All ND - Last	0.0002	0.0002
MW-377	UA	E002	Molybdenum, total	mg/L	01/19/16 - 08/07/23	21	62	CI around median	0.0015	0.0782
MW-377	UA	E002	pH (field)	SU	01/19/16 - 08/07/23	22	0	CI around median	7.1/7.2	7.5/11.1
MW-377	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/19/16 - 08/07/23	21	0	CI around mean	0.352	3.76

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
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	E002	Selenium, total	mg/L	01/19/16 - 08/07/23	21	100	All ND - Last	0.001	0.00320
MW-377	UA	E002	Sulfate, total	mg/L	01/19/16 - 08/07/23	22	0	CB around linear reg	35.2	762
MW-377	UA	E002	Thallium, total	mg/L	01/19/16 - 08/07/23	18	100	All ND - Last	0.002	0.002
MW-377	UA	E002	Total Dissolved Solids	mg/L	01/19/16 - 08/07/23	22	0	CI around mean	598	3,260
MW-383	UA	E002	Antimony, total	mg/L	01/21/16 - 08/03/23	21	86	CB around T-S line	0.000686	0.00230
MW-383	UA	E002	Arsenic, total	mg/L	01/21/16 - 08/03/23	21	76	CI around median	0.001	0.0104
MW-383	UA	E002	Barium, total	mg/L	01/21/16 - 08/03/23	21	0	CB around T-S line	0.0441	0.261
MW-383	UA	E002	Beryllium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.0005
MW-383	UA	E002	Boron, total	mg/L	01/21/16 - 08/03/23	22	0	CI around median	1.33	2.16
MW-383	UA	E002	Cadmium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.002
MW-383	UA	E002	Chloride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around T-S line	40	1,370
MW-383	UA	E002	Chromium, total	mg/L	01/21/16 - 08/03/23	21	95	CB around T-S line	0.00142	0.0125
MW-383	UA	E002	Cobalt, total	mg/L	01/21/16 - 08/03/23	19	100	All ND - Last	0.001	0.00220
MW-383	UA	E002	Fluoride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	0.637	3.84
MW-383	UA	E002	Lead, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.001	0.00220
MW-383	UA	E002	Lithium, total	mg/L	01/21/16 - 08/03/23	21	0	CI around mean	0.033	0.140
MW-383	UA	E002	Mercury, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.0002	0.0002
MW-383	UA	E002	Molybdenum, total	mg/L	01/21/16 - 08/03/23	21	0	CI around geomean	0.0103	0.0782
MW-383	UA	E002	pH (field)	SU	01/21/16 - 08/03/23	22	0	CB around linear reg	7.4/7.6	7.5/11.1
MW-383	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 08/03/23	21	0	CI around mean	0.343	3.76
MW-383	UA	E002	Selenium, total	mg/L	01/21/16 - 08/03/23	21	95	CI around median	0.001	0.00320
MW-383	UA	E002	Sulfate, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	148	762
MW-383	UA	E002	Thallium, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.002	0.002
MW-383	UA	E002	Total Dissolved Solids	mg/L	01/21/16 - 08/03/23	22	0	CI around mean	873	3,260
MW-384	UA	E002	Antimony, total	mg/L	01/21/16 - 08/03/23	21	100	All ND - Last	0.001	0.00230
MW-384	UA	E002	Arsenic, total	mg/L	01/21/16 - 08/03/23	21	100	All ND - Last	0.001	0.0104
MW-384	UA	E002	Barium, total	mg/L	01/21/16 - 08/03/23	21	0	CB around linear reg	0.0384	0.261

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
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	E002	Beryllium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.0005
MW-384	UA	E002	Boron, total	mg/L	01/21/16 - 08/03/23	22	0	CI around median	1.41	2.16
MW-384	UA	E002	Cadmium, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.001	0.002
MW-384	UA	E002	Chloride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	459	1,370
MW-384	UA	E002	Chromium, total	mg/L	01/21/16 - 08/03/23	21	95	CB around T-S line	0.00142	0.0125
MW-384	UA	E002	Cobalt, total	mg/L	01/21/16 - 08/03/23	19	100	All ND - Last	0.001	0.00220
MW-384	UA	E002	Fluoride, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	3.6	3.84
MW-384	UA	E002	Lead, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.001	0.00220
MW-384	UA	E002	Lithium, total	mg/L	01/21/16 - 08/03/23	21	0	CI around mean	0.0386	0.140
MW-384	UA	E002	Mercury, total	mg/L	01/21/16 - 08/03/23	16	100	All ND - Last	0.0002	0.0002
MW-384	UA	E002	Molybdenum, total	mg/L	01/21/16 - 08/03/23	21	0	CB around linear reg	0.0204	0.0782
MW-384	UA	E002	pH (field)	SU	01/21/16 - 08/03/23	22	0	CI around median	7.8/8.0	7.5/11.1
MW-384	UA	E002	Radium 226 + Radium 228, total	pCi/L	01/21/16 - 08/03/23	21	0	CI around geomean	0.346	3.76
MW-384	UA	E002	Selenium, total	mg/L	01/21/16 - 08/03/23	21	100	All ND - Last	0.001	0.00320
MW-384	UA	E002	Sulfate, total	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	-1.13	762
MW-384	UA	E002	Thallium, total	mg/L	01/21/16 - 08/03/23	18	100	All ND - Last	0.002	0.002
MW-384	UA	E002	Total Dissolved Solids	mg/L	01/21/16 - 08/03/23	22	0	CB around linear reg	1,440	3,260
MW-390	UA	E002	Antimony, total	mg/L	03/22/16 - 08/04/23	21	95	CI around median	0.001	0.00230
MW-390	UA	E002	Arsenic, total	mg/L	03/22/16 - 08/04/23	21	10	CI around geomean	0.00123	0.0104
MW-390	UA	E002	Barium, total	mg/L	03/22/16 - 08/04/23	21	0	CI around mean	0.0458	0.261
MW-390	UA	E002	Beryllium, total	mg/L	03/22/16 - 08/04/23	16	100	All ND - Last	0.001	0.0005
MW-390	UA	E002	Boron, total	mg/L	03/22/16 - 08/04/23	22	0	CB around linear reg	-0.635	2.16
MW-390	UA	E002	Cadmium, total	mg/L	03/22/16 - 08/04/23	16	100	All ND - Last	0.001	0.002
MW-390	UA	E002	Chloride, total	mg/L	03/22/16 - 08/04/23	22	0	CI around mean	64.5	1,370
MW-390	UA	E002	Chromium, total	mg/L	03/22/16 - 08/04/23	21	100	All ND - Last	0.0015	0.0125
MW-390	UA	E002	Cobalt, total	mg/L	03/22/16 - 08/04/23	19	68	CB around T-S line	3.64e-07	0.00220
MW-390	UA	E002	Fluoride, total	mg/L	03/22/16 - 08/04/23	22	0	CB around linear reg	0.269	3.84

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
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-390	UA	E002	Lead, total	mg/L	03/22/16 - 08/04/23	18	94	CI around median	0.001	0.00220
MW-390	UA	E002	Lithium, total	mg/L	03/22/16 - 08/04/23	21	5	CI around mean	0.0196	0.140
MW-390	UA	E002	Mercury, total	mg/L	03/22/16 - 08/04/23	16	100	All ND - Last	0.0002	0.0002
MW-390	UA	E002	Molybdenum, total	mg/L	03/22/16 - 08/04/23	21	5	CI around geomean	0.00313	0.0782
MW-390	UA	E002	pH (field)	SU	03/22/16 - 08/04/23	22	0	CB around linear reg	6.7/7.2	7.5/11.1
MW-390	UA	E002	Radium 226 + Radium 228, total	pCi/L	03/22/16 - 08/04/23	21	0	CI around mean	0.655	3.76
MW-390	UA	E002	Selenium, total	mg/L	03/22/16 - 08/04/23	21	90	CI around median	0.001	0.00320
MW-390	UA	E002	Sulfate, total	mg/L	03/22/16 - 08/04/23	22	0	CI around mean	137	762
MW-390	UA	E002	Thallium, total	mg/L	03/22/16 - 08/04/23	18	100	All ND - Last	0.002	0.002
MW-390	UA	E002	Total Dissolved Solids	mg/L	03/22/16 - 08/04/23	22	0	CI around mean	679	3,260
MW-391	UA	E002	Antimony, total	mg/L	12/22/16 - 08/04/23	16	0	CI around geomean	0.00151	0.00230
MW-391	UA	E002	Arsenic, total	mg/L	12/22/16 - 08/04/23	16	6	CB around linear reg	0.00266	0.0104
MW-391	UA	E002	Barium, total	mg/L	12/22/16 - 08/04/23	16	0	CB around linear reg	0.00953	0.261
MW-391	UA	E002	Beryllium, total	mg/L	12/22/16 - 08/04/23	11	100	All ND - Last	0.001	0.0005
MW-391	UA	E002	Boron, total	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	2.41	2.16
MW-391	UA	E002	Cadmium, total	mg/L	12/22/16 - 08/04/23	11	100	All ND - Last	0.001	0.002
MW-391	UA	E002	Chloride, total	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	152	1,370
MW-391	UA	E002	Chromium, total	mg/L	12/22/16 - 08/04/23	16	81	CB around T-S line	0.0015	0.0125
MW-391	UA	E002	Cobalt, total	mg/L	12/22/16 - 08/04/23	14	93	CI around median	0.001	0.00220
MW-391	UA	E002	Fluoride, total	mg/L	12/22/16 - 08/04/23	16	0	CB around linear reg	2.9	3.84
MW-391	UA	E002	Lead, total	mg/L	12/22/16 - 08/04/23	13	100	All ND - Last	0.001	0.00220
MW-391	UA	E002	Lithium, total	mg/L	12/22/16 - 08/04/23	17	0	CI around mean	0.0703	0.140
MW-391	UA	E002	Mercury, total	mg/L	12/22/16 - 08/04/23	11	100	All ND - Last	0.0002	0.0002
MW-391	UA	E002	Molybdenum, total	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	0.0384	0.0782
MW-391	UA	E002	pH (field)	SU	12/22/16 - 08/04/23	17	0	CB around linear reg	7.7/8.1	7.5/11.1
MW-391	UA	E002	Radium 226 + Radium 228, total	pCi/L	12/22/16 - 08/04/23	16	0	CI around mean	0.75	3.76
MW-391	UA	E002	Selenium, total	mg/L	12/22/16 - 08/04/23	16	0	CI around geomean	0.00178	0.00320

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2023
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-391	UA	E002	Sulfate, total	mg/L	12/22/16 - 08/04/23	16	0	CB around linear reg	77.5	762
MW-391	UA	E002	Thallium, total	mg/L	12/22/16 - 08/04/23	14	93	CI around median	0.001	0.002
MW-391	UA	E002	Total Dissolved Solids	mg/L	12/22/16 - 08/04/23	16	0	CI around mean	1,970	3,260

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
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